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LOCKHEED MARTIN

October 29, 2020

VIA OVERNIGHT CARRIER

Mr. Brian Dietz
Chief, State Assessment &
Remediation Division
Land Restoration Program
Land and Material Administration
Maryland Department of the Environment
1800 Washington Road, Suite 625
Baltimore, Maryland 21230

Re: Transmittal of the Technical Memorandum: June 2020 Surface Water Sampling Results for Frog Mortar Creek
Martin State Airport, 701 Wilson Point Road, Middle River,Maryland

Dear Mr. Dietz:

For your review, please find enclosed two hard copies with CDs of the above-referenced document. This technical memorandum presents sampling results for surface water samples collected in Frog Mortar Creek adjacent to the Dump Road Area at Martin State Airport in Middle River, Maryland. Surface water was sampled according to the 2020 Surface Water Sampling Work Plan This technical memorandum presents the analytical results for surface water samples collected from Frog Mortar Creek.

If you have any questions or require any additional information please contact me by phone at 301-548-2223, or via e-mail at charles.trione@lmco.com.

Sincerely,



Charles Trione
Project Lead, Environmental Remediation
Lockheed Martin Corporation

cc: (via email without enclosure)
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TECHNICAL MEMORANDUM: JUNE 2020 SURFACE WATER SAMPLING RESULTS FOR FROG MORTAR CREEK MARTIN STATE AIRPORT 701 WILSON POINT ROAD MIDDLE RIVER, MARYLAND

Prepared for:
Lockheed Martin Corporation

Prepared by:
Tetra Tech, Inc.

October 2020

Approved by:

Revision: 0

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ACRONYMS AND ABBREVIATIONS

AWQC	ambient water quality criteria
BTAG	Biological Technical Advisory Group
BTEX	benzene, toluene, ethylbenzene, and xylenes
cis-1,2-DCE	*cis*-1,2-dichloroethene
COMAR	Code of Maryland Regulations
cVOC	chlorinated volatile organic compound
DRA	Dump Road Area
EESH	energy, environment, safety and health
EL	Edwards Lane
GC/MS	gas chromatography/mass spectrometry
GIS	geographic information system
IDW	investigation derived waste
Lockheed Martin	Lockheed Martin Corporation
MAA	Maryland Aviation Administration
MDE	Maryland Department of the Environment
MDANG	Maryland Air National Guard
MSA	Martin State Airport
µg/L	microgram(s) per liter
NOAA	National Oceanic and Atmospheric Administration
NRWQC	national recommended water quality criteria
PDF	portable document format
PPE	personal protective equipment
SVOC	semivolatile organic compound
TB	trip blank
TCE	trichloroethene
Tetra Tech	Tetra Tech, Inc.

USEPA	United States Environmental Protection Agency
VC	vinyl chloride
VOC	volatile organic compound

SECTION 1
INTRODUCTION

On behalf of Lockheed Martin Corporation (Lockheed Martin), Tetra Tech, Inc., (Tetra Tech) has prepared this technical memorandum presenting sampling results for surface water samples collected in Frog Mortar Creek adjacent to the Dump Road Area (DRA) at Martin State Airport (MSA) in Middle River, Maryland (see Figure 1-1). Surface water was sampled according to the *2020 Surface Water Sampling Work Plan* (Tetra Tech, 2020a). This technical memorandum presents the analytical results for surface water samples collected from Frog Mortar Creek on June 15, 2020.

This investigation obtained additional chemical and spatial-distribution data for volatile organic compounds (VOCs) in creek surface water that possibly emanate from a groundwater plume at the Dump Road Area of Martin State Airport, or possibly originate from upgradient sources. Results herein are compared to screening levels intended to protect human health and the environment. These data will provide information to:

- provide surface water quality data to determine the concentrations and spatial distributions of volatile organic compounds in Frog Mortar Creek
- provide data to evaluate the interaction between shallow groundwater and Frog Mortar Creek for numerical modeling
- evaluate the effectiveness of the groundwater treatment system now operating to contain contaminated groundwater at the Dump Road Area
- provide information that can be used to assess ecological risks to aquatic and benthic organisms and human health risks for recreational users of Frog Mortar Creek
- update modeling for shallow-groundwater flow patterns and groundwater discharge to Frog Mortar Creek

This technical memorandum is organized as follows:

Section 2—Site Background and Previous Investigations: Briefly describes the site and previous Frog Mortar Creek investigations.

Section 3—Investigation Approach and Methodology: Presents the technical approach and field methodology used for surface water sampling.

Section 4—Results: Presents the investigation results.

Section 5—Summary: Summarizes the investigation approach and results.

Section 6—References: Cites references used to compile this memorandum.

SECTION 2
SITE BACKGROUND AND PREVIOUS INVESTIGATIONS

Martin State Airport (MSA), located at 701 Wilson Point Road in Middle River, Maryland, is bounded by Frog Mortar Creek to the east and Stansbury Creek to the west (Figure 2-1); both are tidal tributaries of the Chesapeake Bay. The Maryland Aviation Administration (MAA) operates MSA on behalf of the Maryland Department of Transportation. The MSA property (approximately 775 acres) consists of an administration building (the Main Terminal building), aircraft hangars, a 7,000-foot-long runway, and several taxiways. MAA manages more than 130,000 square feet of heated hangar space and 190 smaller aircraft hangars. MSA hosts the Maryland State Police aviation unit, Baltimore County Police aviation and marine units, the Baltimore City Police aviation unit, and the Glenn L. Martin Museum. A portion of MSA is leased to the United States Air Force for use by the Maryland Air National Guard (MDANG). MSA is also home to several commercial tenants that provide fuels and lubricants, helicopter avionics repair, and flight instruction (MAA, 2018).

The area under investigation is Frog Mortar Creek, which is east of and adjacent to the Dump Road Area (DRA) site at MSA (Figures 2-1 and 2-2). The DRA consists mostly of open meadows, mowed grass, and heavily wooded areas (as modified by the construction of the groundwater extraction and treatment system noted below); however, it also includes a portion of Taxiway Tango and extends to the airport runway. Taxiway Tango is a concrete and asphalt taxiway used by MDANG for military aircraft operations. The airport runway is also used by state-owned and private aircraft.

An extraction and treatment system for DRA groundwater was constructed in 2017 and is currently operational at the DRA site.

This system consists of 16 groundwater extraction wells, underground piping, and a building that houses components to capture and treat groundwater containing volatile organic compounds

(VOCs), semi-volatile organic compounds (SVOCs), and metals. The wells and underground piping pump groundwater from the surficial aquifer to the aboveground treatment building, creating a "hydraulic barrier" that captures groundwater and prevents contaminants from migrating off-site. The treatment building is 60 feet wide and 170 feet long (10,200 square feet) and is near Frog Mortar Creek in the eastern-central portion of the DRA (Figure 2-2). Treated groundwater is tested routinely and subsequently discharged to Frog Mortar Creek via an MDE-permitted outfall.

Detailed environmental studies have been conducted at the DRA since 1991, when MAA removed drums discovered near Taxiway Tango (Figure 2-2). Subsequent environmental studies at MSA have demonstrated that soil, pond sediment, and groundwater at the DRA have been impacted by VOCs, SVOCs, and metals resulting from historical dumping and backfilling. The following constituents (including several metals) have been detected in DRA groundwater at concentrations exceeding state groundwater standards:

- ***chlorinated VOCs*** (cVOCs)—including trichloroethene (TCE), *cis*-1,2-dichloroethene (*cis*-1,2-DCE), and vinyl chloride (VC)
- ***petroleum-related VOCs***—such as benzene, toluene, ethylbenzene, and xylenes (BTEX)
- ***1,4-dioxane***—although Maryland does not have a groundwater standard for this compound, concentrations at the site have exceeded standards proposed or promulgated by other states
- ***metals***—arsenic, barium, beryllium, cadmium, chromium, copper, hexavalent chromium (in two wells, in 2008 only), iron, lead, manganese, mercury, nickel, selenium, thallium, vanadium, and zinc

Frog Mortar Creek is hydraulically downgradient of and receives groundwater discharging from the DRA. The constituents listed above have been detected in surface water samples collected from Frog Mortar Creek. Surface water samples have been collected from Frog Mortar Creek since 1997, and multiple rounds of samples have been collected annually since 2010. Studies at Frog Mortar Creek from 1997–2019, and details of the area's physical setting, land use, physiography, and surface/subsurface conditions (i.e., soils, hydrology, and geology), are summarized in the *2019 Surface Water Sampling Report for Frog Mortar Creek* (Tetra Tech, 2020b), and therefore are not repeated herein.

SECTION 3
INVESTIGATION APPROACH AND METHODOLOGY

Previous surface-water sampling data for Frog Mortar Creek support the need for ongoing monitoring to assess the extent to which surface water is affected by groundwater discharged from the Dump Road Area (DRA). The June 2020 data will support this ongoing effort and will also be used to assess the effectiveness of the extraction, containment, and treatment system. The chlorinated volatile organic compounds (cVOCs) trichloroethene (TCE), *cis*-1,2-dichloroethene (*cis*-1,2-DCE), and vinyl chloride (VC), and several metals, have previously been detected in Frog Mortar Creek surface water samples at concentrations exceeding ecological and/or human health screening-criteria; these analytes have also been detected in groundwater at the DRA.

Detected chemical concentrations in surface water obtained from Frog Mortar Creek were evaluated by comparing them to United States Environmental Protection Agency (USEPA) or Maryland screening levels and site-specific screening levels. These screening criteria include USEPA national recommended water quality criteria (NRWQC), Maryland ambient water quality criteria (AWQC), USEPA Biological Technical Advisory Group (BTAG) surface water screening-benchmarks, and site-specific screening levels for swimming developed by Lockheed Martin Corporation (Lockheed Martin). The June 2020 sampling is the second of six surface-water sampling rounds planned for 2020. The June sampling round assessed water quality during the beginning of the summer season, when recreational use of Frog Mortar Creek would be expected.

3.1 SURFACE WATER SAMPLING

3.1.1 Surface Water Sampling and Chemical Analyses

Thirty-six surface water samples were collected from Frog Mortar Creek adjacent to the DRA site on June 15, 2020. Sampling locations are shown in Figure 3-1. Four samples were collected along each of seven transects spaced approximately 350 feet apart along the western shoreline of the creek; these transects are designated MSA-SW37, MSA-SW38, MSA-SW40, MSA-SW41,

MSA-SW42, MSA-SW43, and MSA-SW44. Historically, transects SW39 (the northernmost transect) and SW45 (the southernmost transect) were also included in the sampling program, but these two transects were removed from the sampling program in 2020 as the remaining seven transects fully cover the extent of the targeted area west of the Dump Road Area. In addition, a transect on the eastern shoreline of Frog Mortar Creek, the Edward Lane transect, has also been historically sampled. The Edwards Lane transect (EL-01A through D) was also sampled during the (current) June 2020 round; this is the only month in which the Edwards Lane transect will be sampled this year.

Four additional near-shore samples were collected between transects MSA-SW42 and MSA-SW40 (MSA-SW46A), MSA-SW40 and MSA-SW38 (MSA-SW47A), MSA-SW38 and MSA-SW41 (MSA-SW48A), and MSA-SW41 and MSA-SW43 (MSA-SW49A). These four locations were first sampled in July 2015 to assess constituent concentrations between transects exhibiting the highest VOC concentrations, and were also included in the June 2020 sampling round.

Along each transect, one sample was collected near the shoreline ("A" sample), one was collected approximately 50 feet from the shoreline ("B" sample), one was collected approximately 100 feet from the shoreline ("C" sample), and one was collected approximately 200 feet from the shoreline ("D" sample). All samples were collected approximately one foot below the water surface. All sampling locations were located using a handheld global positioning system receiver.

Table 3-1 outlines the sampling and chemical analysis program. Samples from the seven western shoreline transects (MSA-SW37, SW38, SW40, SW41, SW42, SW43, and SW44) and SW46A through SW49A were analyzed for the following constituents:

- VOCs by USEPA SW846 Method 8260C (including Freon 113 [1,1,2-trichloro-1,2,2-trifluoroethane], Freon 22 [chlorodifluoromethane], and tentatively identified compounds).

Historically, western shoreline samples were also analyzed for hexavalent chromium and dissolved metals; however, these analytes were removed from the 2020 surface water sampling program. Water quality parameters (including temperature, pH, specific conductance, salinity, turbidity,

dissolved oxygen, and oxidation-reduction potential) were measured and recorded at the time of sampling, as was the water depth at all surface-water sampling locations. Sampling information was documented on sample log sheets (see Appendix A).

Water depth measurements were also obtained from the staff gauge at 3301 Edwards Lane before sampling (0.80 meters [2.62 feet] at 1019 hours) and after sampling (0.70 meters [2.30 feet] at 1238 hours). Mean tidal-flux in the Middle River, Maryland, area is approximately 1.6 feet (National Oceanic and Atmospheric Administration [NOAA], 2015). A 2011 study by Lockheed Martin sought to ascertain the effects of tides and sampling depths on contaminant concentrations in Frog Mortar Creek (Tetra Tech, 2012). The tidal phase relative to the time of sample collection appears to influence the VOC concentrations detected, particularly in the samples collected 50 feet from shore. In general, VOC concentrations in "B-series" samples (collected 50 feet from shore) were greater at low tide than at high tide, irrespective of sampling depth. Therefore, during this sampling round, all samples were collected during low tide.

Samples were collected as grab samples from approximately one foot below the water surface using the direct-fill sampling technique. VOC samples were collected using a stainless steel discrete-interval sampler (also known as a "bacon bomb" sampler). The sampler was lowered to approximately one foot below the water surface, the check valve was engaged to allow the sampler to fill, the sampler was then brought to the surface, and the water was removed through a valve to fill three laboratory-cleaned, hydrochloric-acid preserved, 40-milliliter sample vials. The discrete-interval sampler was cleaned after each use by rinsing it with distilled water over the creek. No decontamination fluids were collected during this sampling.

No duplicate samples were collected during this sampling round. A trip blank (one per cooler containing VOC samples) was submitted for VOC analysis for quality assurance/quality control purposes.

3.1.2 Documentation

A master site logbook was maintained as an overall record of site field activities. Sample documentation includes completed chain of custody forms and surface-water-specific sample log-sheets. Chain of custody forms are standardized to summarize and document pertinent sample

information, such as sample identification and type, matrix, date and time of collection, preservation, and the analysis requested. Sample-custody procedures document sample acquisition and integrity. June 2020 log sheets for surface water samples are in Appendix A. Chain of custody forms, the data-validation report, and the full laboratory report are in Appendix B (on compact disc).

3.1.3 Sample Nomenclature and Handling

Surface water samples collected from western shoreline transects are identified with a unique sample-identification tag. Surface water samples are labeled with an "MSA-SW" prefix, followed by the sample transect number, the profile location ("A," "B," "C," or "D"), and the six-digit sampling date. For example, the surface water sample collected on June 15, 2020 from MSA-SW37A is labeled "MSA-SW37A-061520." The trip blank is labeled with a "TB" prefix followed by the sample's six-digit submittal date (e.g., TB-061520).

Sample handling includes field-related considerations concerning the selection of sample containers, preservatives, allowable holding times, and analyses requested. Proper custody procedures were followed throughout all phases of sample collection and handling. Chain of custody protocols were used throughout sample handling to assure the evidentiary integrity of sample containers. These protocols demonstrate that the samples were handled and transferred in a manner that would prevent or detect possible tampering.

Sample containers were released under signature from the laboratory and accepted under signature by the sampler(s) or other individual(s) responsible for maintaining custody, until the sample containers could be transferred to the sampler(s). Transport containers returning to the laboratory were sealed with strapping tape and a tamper-resistant custody seal. The custody seal contains the signature of the individual releasing the transport container, along with the date and time.

3.1.4 Equipment Decontamination

This project required minimal equipment decontamination. Both dedicated and disposable equipment was used for surface water sampling, to reduce the need for decontamination and eliminate potential cross-contamination of samples. The discrete-interval sampler was cleaned

after each use by rinsing with distilled water. Equipment was cleaned over the (creek) water after each sample had been collected. No decontamination fluids were collected during sampling.

3.1.5 Waste Management

Investigation derived waste (IDW) consisted of personal protective equipment (PPE) generated during field sampling. PPE IDW was brushed off, placed in trash bags, and disposed of in a facility trash receptacle designated by facility personnel.

3.2 DATA MANAGEMENT

Laboratory data-handling procedures met the requirements of the laboratory subcontract. All analytical and field data are maintained in project files, including copies of chain of custody forms, sample log forms, sampling location maps, and documentation of quality assurance and data corrections.

3.2.1 Data Tracking and Control

A sample tracking system was used from the beginning to the end of sampling. The field operations leader began and coordinated sample tracking before mobilizing the sampling team to the field. Preprinted sample-container labels generated before fieldwork began were reviewed to ensure that they were accurate and adhered to work plan requirements. The project manager coordinated with the analytical laboratory to ensure that the laboratory was aware of the number and type of samples and analyses that would be submitted.

During field sampling, the field operations leader forwarded the chain of custody to a designated project assistant and to the laboratory. The project assistant confirmed that the chain of custody provided the information required by the work plan. This allowed early detection of errors made in the field so that adjustments could be made before sample analyses.

After successful completion of all requested analyses, the laboratory submitted an electronic deliverable for each sample delivery group. When all electronic deliverables had been received from the laboratory, the project assistant checked the laboratory submittal to determine whether the laboratory had performed all analyses requested. All analyses requested for this project were performed.

3.2.2 Sample Information

Data from field measurements were recorded using appropriate sample log sheets and were summarized in tabular form, as were the raw instrument-data from the laboratory. The field operations leader verified field data daily; laboratory data were verified by the group supervisor and then by the laboratory's quality control/documentation department. Sample log sheets are in Appendix A.

3.2.3 Project Data Compilation

The analytical laboratory generated an Adobe Acrobat® portable document format (PDF) file of the analytical data package, as well as an electronic database deliverable. The electronic database was checked against the PDF file provided by the laboratory and updated as required, based on data-qualifier flags applied during data validation. All data, such as units of measure and chemical nomenclature, were corrected as necessary to be consistent with the project database.

3.2.4 Geographic Information System

Data management systems for this investigation consists of a relational database and geographic information system (GIS) to manage environmental information pertaining to MSA housed in the Lockheed Martin environment, safety and health (ESH) GIS system. The relational database stores chemical, geological, hydrogeological, and other environmental data collected during environmental investigations. The GIS, created from the relational database, contains subsets of the larger data pool. The GIS allows environmental data to be posted onto base maps to graphically represent project information. Compiled sampling, chemical, and positional data from this investigation were incorporated into the ESH GIS system.

3.3 DATA REVIEW

Data from the laboratory were entered into a sample database and evaluated against risk-based criteria. Data were validated (to evaluate data completeness, holding times, calibrations, precision, accuracy, laboratory and field-blank contamination, and detection limits) concurrent with the data evaluation. These reviews were based on USEPA national functional guidelines for both inorganic and organic data review (USEPA, 2017a, b) and the specifics of the analytical methods used. Data from this sampling event consist of chemical results for surface water samples. Data-validation

reports, full laboratory reports, and chain of custody forms are in Appendix B (on compact disc) as PDF files. A table with all analytical data for June 2020 Frog Mortar Creek surface water samples, including nondetects, is in Appendix C.

Collectively, these data are acceptable for their intended uses (site characterization and risk assessment), except for data qualified as unreliable (UR or *R* flags). The data qualifiers (i.e., flags) listed below were applied to the chemical results presented in this report. Several flags appear in the chemical-results tables in Section 4, and all flags appear in Appendices B and C:

J The analyte is considered present in the sample but at an estimated value that may not meet highest accuracy or precision standards. In this program, samples were qualified with "J" because quantitation was above the method detection limit but below the laboratory reporting-limit.

U Not detected; the analyte is considered not detected at the reported value.

UJ The analyte is not detected; however, the quantitation or detection limit may be inaccurate or imprecise.

UR The analyte was not detected, but the result is unreliable due to deficiencies in satisfying quality control criteria.

SECTION 4
RESULTS

4.1 SURFACE WATER DATA AND SCREENING CRITERIA

Validated chemical data from the Frog Mortar Creek surface water samples collected in June 2020 were used to generate a full appendix data table (Appendix C). Samples collected from transects, including SW46A – SW49A, were analyzed for volatile organic compounds (VOCs) (including fuel-related compounds such as benzene, toluene, ethylbenzene, and xylenes [BTEX] and tentatively identified compounds). No VOCs were detected in June 2020, so a table summarizing positive detections was not necessary. Typically, surface-water sampling results would be compared to several applicable screening criteria, including:

- United States Environmental Protection Agency (USEPA) Region 3 Biological Technical Advisory Group (BTAG) freshwater screening-benchmarks (USEPA, 2006)
- USEPA national recommended water quality criteria (NRWQC) for freshwater acute and chronic aquatic-organism exposures, and NRWQC for human health aquatic-organism-consumption (USEPA, 2019)
- Maryland ambient water quality criteria (AWQC) for acute and chronic aquatic-organism exposures, and AWQC for human health aquatic-organism-consumption (Code of Maryland Regulations [COMAR], 2016)
- site-specific screening levels for swimming developed for trichloroethene (TCE), *cis*-1,2-dichloroethene (*cis*-1,2-DCE), and vinyl chloride (VC)

TCE, *cis*-1,2-DCE, and VC results are also compared to site-specific screening levels developed by Lockheed Martin Corporation (Lockheed Martin) at the request of the Maryland Department of the Environment (MDE); these values are used to assess risks posed to recreational users of Frog Mortar Creek. These screening levels were developed to protect the health of swimmers near the Dump Road Area (DRA) shoreline, assuming they have long-term exposure to surface water (i.e., assumed four hours of swimming per day, 70 days per year, for 30 years). These swimming

criteria are used because they provide the most conservative (i.e., most protective of human health) screening levels for Frog Mortar Creek.

A table summarizing analytical data, including nondetect results and detection limits, is attached as Appendix C.

4.2 VOLATILE ORGANIC COMPOUND SURFACE WATER SAMPLING RESULTS

No volatile organic compounds were detected in the June 2020 surface water samples. A tentatively identified compound (TIC) search was performed for the compound chlorodifluoromethane. Nondetect results were qualified as estimated (UJ) because the gas chromatography/mass spectrometry [GC/MS] machine was not calibrated for this compound, and the detection limit is an estimated value. The analytical results are summarized in Appendices B and C. Table 4-1 and Figure 4-1 compare June 2020 results for TCE, *cis*-1,2-DCE, and VC to results detected during the previous sampling round (March 2020) and the sampling round from one year ago (June 2019). Since most data discussed herein share the "MSA" prefix, it is dropped when referring to transects or samples (e.g., "SW39" refers to transect MSA-SW39), to improve readability.

4.2.1 Trichloroethene Results

TCE was not detected during the current sampling round (June 2020) and therefore did not exceed any screening level criterion. The nondetect results are consistent with the decreasing trend of TCE in Frog Mortar Creek since March 2019. TCE was detected at five locations (SW43A-C, SW46A, and SW49A) during the March 2019 sampling round, but was nondetect during the remaining five sampling events in 2019 (June, July, August, September, and December), as well as the first sampling event this year in March 2020.

4.2.2 *cis*-1,2-Dichloroethene Results

cis-1,2-DCE was not detected during the current sampling round (June 2020) and therefore did not exceed its lowest screening level (i.e., respective swimming criteria of 300 µg/L). *cis*-1,2-DCE was detected at three of 32 locations during the previous sampling round (March 2020) with estimated (*J*-qualified) concentrations ranging from 0.22 micrograms per liter (µg/L) to 0.38 µg/L.

Similar to TCE, the only *cis*-1,2-DCE detections in 2019 occurred during the March 2019 sampling round, with nondetect results occurring in the remaining five 2019 sampling rounds (June, July, August, September, and December).

When detected in previous rounds, the distributions of *cis*-1,2-DCE in the higher concentration transects tended to decrease with increasing distance from the shore. This trend was observed in March 2020, as *cis*-1,2-DCE concentrations at transect SW42 decreased with increasing distance from the shore, with concentrations of 0.38 µg/L (SW42A), 0.28 µg/L (SW42B), 0.22 µg/L (SW42C), and nondetect (SW42D).

4.2.3 Vinyl Chloride Results

VC was not detected during the current sampling round (June 2020), but was detected at seven of 32 sampling locations in March 2020, with concentrations ranging from 0.21 µg/L to 1.0 µg/L. VC did not exceed its lowest site-specific (swimming) screening criterion (0.7 µg/L) in June 2020, but did exceed the swimming criterion at one location (SW42A) in March 2020, with a concentration of 1 µg/L.

VC was detected during the June 2019 sampling round at two near-shore locations but did not exceed its site-specific screening level. The highest detection of VC in 2019 (3.3 µg/L) did exceed the site-specific screening as did two other locations during the March 2019 sampling event. VC was not detected during the remaining sampling rounds in 2019 (i.e., in July, August, September, or December 2019).

When detected in previous rounds, the distributions of VC in the higher concentration transects tended to decrease with increasing distance from the shore. Although VC was nondetect in June 2020, this trend was observed in March 2020, as VC concentrations at transect SW42 decreased with increasing distance from the shore, with concentrations of 1.0 µg/L (SW42A), 0.64 µg/L (SW42B), 0.50 µg/L (SW42C), and 0.26 µg/L (SW42D).

4.2.4 Tentatively Identified Compound Results

A search was performed for one Tentatively Identified Compound (TIC) – chlorodifluoromethane - but it was no detected. Nondetect results were qualified as estimated (UJ) because the detection limit is an estimated value.

SECTION 5
SUMMARY

The Lockheed Martin Corporation June 2020 Frog Mortar Creek surface-water investigation results are summarized below:

- Thirty-six surface water samples were collected on June 15, 2020, and chemically analyzed to assess concentrations of chemical constituents in Frog Mortar Creek, and particularly to evaluate creek surface-water quality near the Dump Road Area (DRA). Each sample was collected at approximately one foot below the water surface.

- Samples were collected along seven transects spaced approximately 350 feet apart (for 28 samples) along the western shoreline of Frog Mortar Creek. Along each transect, one sample was collected near the shoreline ("A" sample), one was collected approximately 50 feet from the shoreline ("B" sample), one was collected approximately 100 feet from the shoreline ("C" sample), and one was collected approximately 200 feet from the shoreline ("D" sample). In addition to the samples collected along transects, four single-point shoreline samples were collected, including SW46A (between transects SW42 and SW40), SW47A (between transects SW40 and SW38), SW48A (between transects SW38 and SW41), and SW49A (between transects SW41 and SW43).

- Samples were collected from the Edwards Lane transect during this sampling event (June 2020), but will not be collected during any other sampling event this year. All results at Edwards lane transect in June 2020 were nondetect.

- Samples collected in June 2020 from Frog Mortar Creek were analyzed for volatile organic compounds (VOCs).

- The data were validated in accordance with the United States Environmental Protection Agency (USEPA) Region III Modifications to the National Functional Guidelines for Data Review (USEPA, 2017a, 2017b), and the specifics of the analytical methods used.

- If analytes were detected, sampling results would have been screened against (1) United States Environmental Protection Agency Region 3 Biological Technical Advisory Group (BTAG) ecological screening-benchmarks for freshwater; (2) United States Environmental Protection Agency national recommended water quality criteria (NRWQC) for acute and chronic aquatic-organism exposures and for human health aquatic-organism-consumption; (3) Maryland ambient water quality criteria (AWQC) for acute and chronic aquatic-organism exposures and for human health aquatic-organism-consumption; and (4) site-specific screening levels developed to evaluate risks to recreational swimmers from exposure to the three most frequently detected volatile organic compounds in surface

water: trichloroethene (TCE), *cis*-1,2-dichloroethene (*cis*-1,2-DCE), and vinyl chloride (VC).

- No volatile organic compounds were detected in the June 2020 surface water samples. Therefore, no compounds were detected above human health consumption-of-organism, ecological screening levels, or site-specific swimming screening levels.

- The next surface water sampling event will occur in July 2020.

SECTION 6
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FIGURES

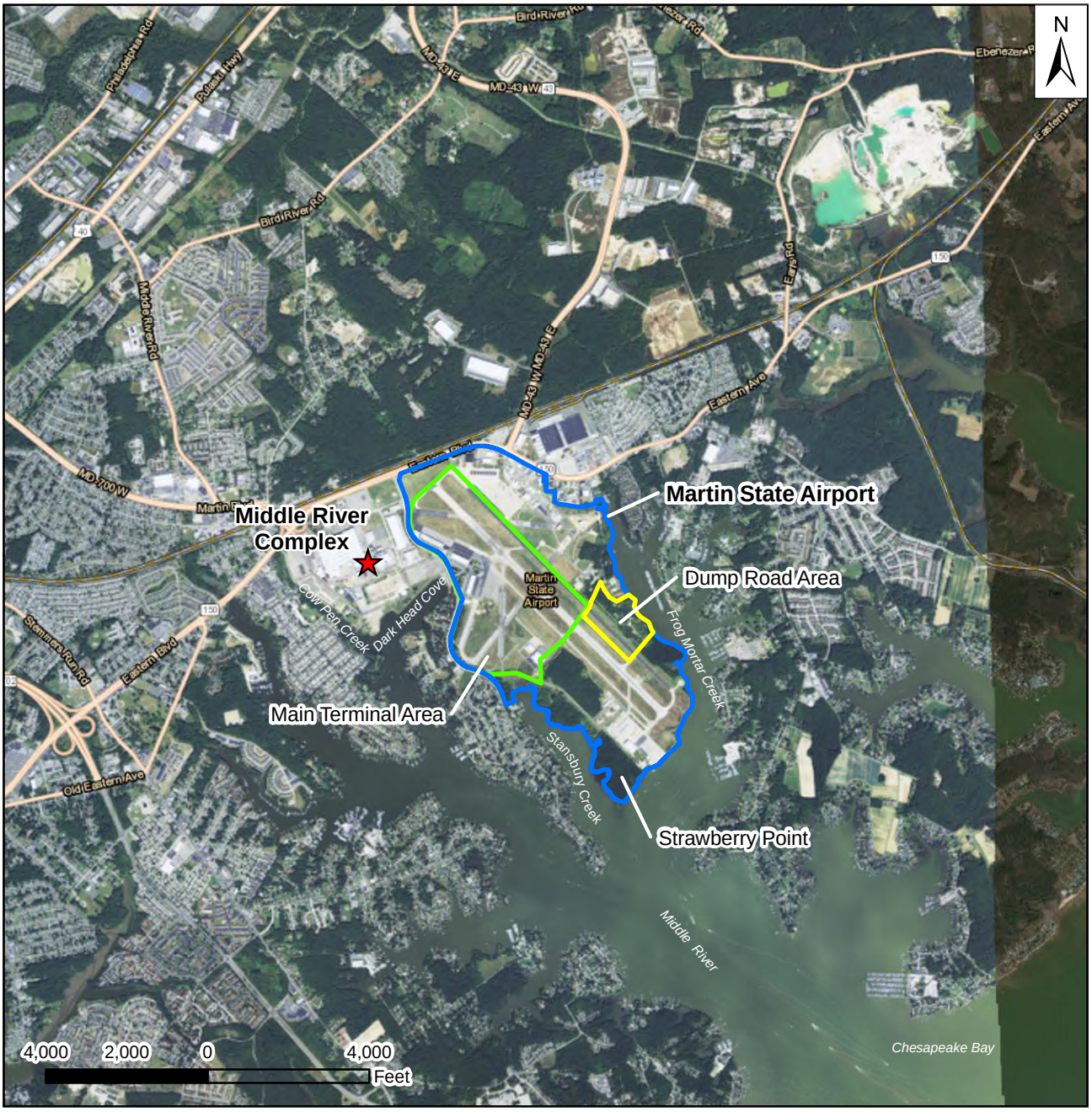
Figure 1-1 Martin State Airport Location Map

Figure 2-1 Martin State Airport and Surrounding Features

Figure 2-2 Site Features and Areas of Concern, Dump Road Area

Figure 3-1 June 2020 Surface Water Sampling Locations, Frog Mortar Creek

Figure 4-1 Concentrations of Trichloroethene, *cis*-1,2-Dichloroethene, and Vinyl Chloride along Surface Water Sampling Transects for June 2019, March 2020, and June 2020, Frog Mortar Creek



Aerial photograph provided by ESRI's ArcGIS Online World Imagery map service (© 2013 ESRI and its data suppliers).

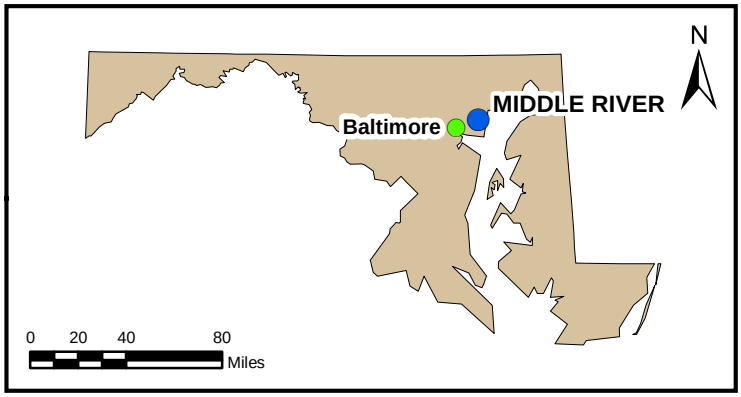


FIGURE 1-1

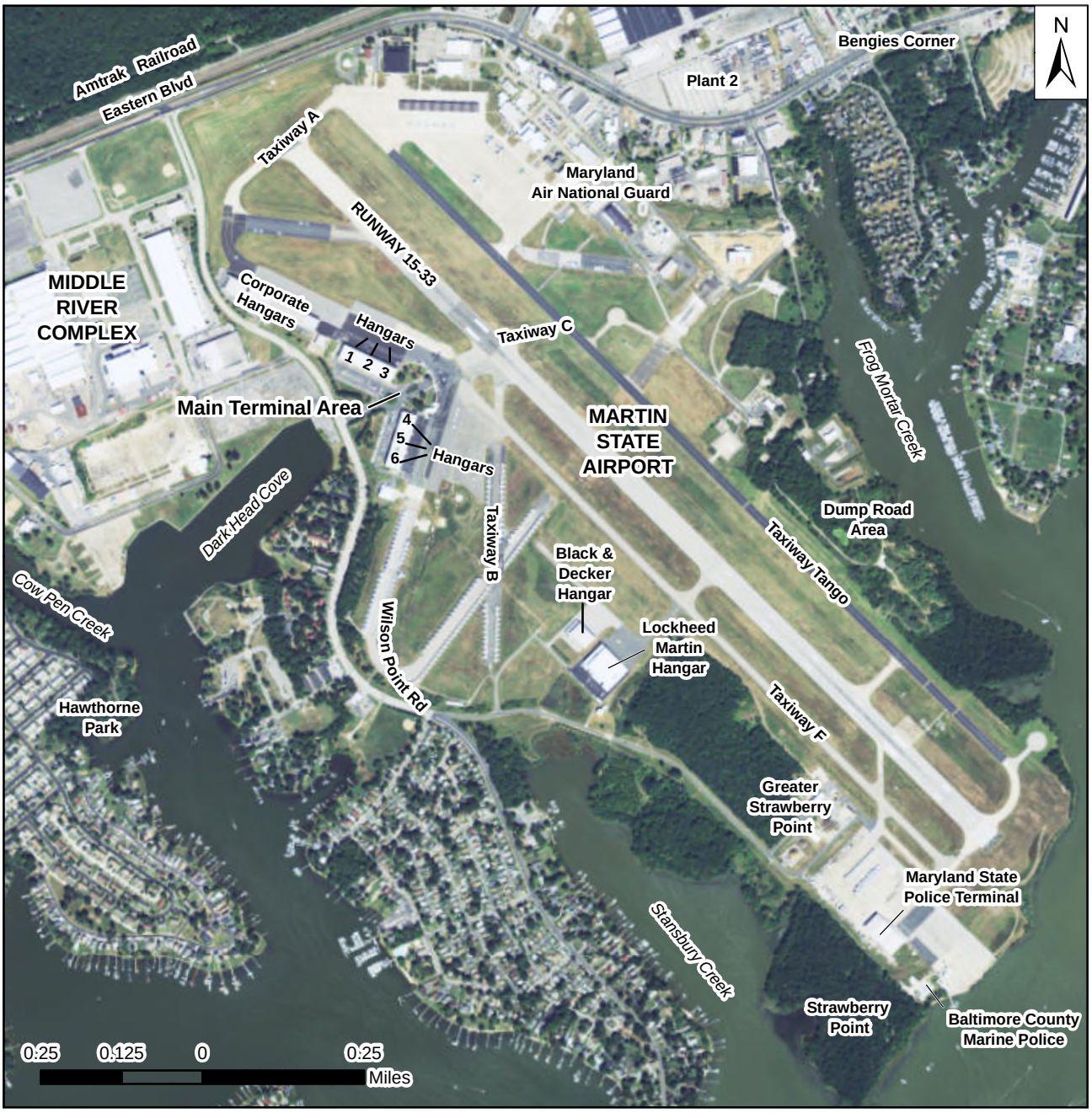
MARTIN STATE AIRPORT
SITE LOCATION MAP

Lockheed Martin, Martin State Airport
Middle River, Maryland

DATE MODIFIED:	CREATED BY:
12/16/15	JEE

TETRA TECH

Map Document: (P:\GIS\Lockheed_MSA\MapDocs\MXD\msa_overview_dec2015.mxd)
12/16/15 -- JEE



Aerial photograph provided by ESRI's ArcGIS Online World Imagery map service (© 2013 ESRI and its data suppliers).

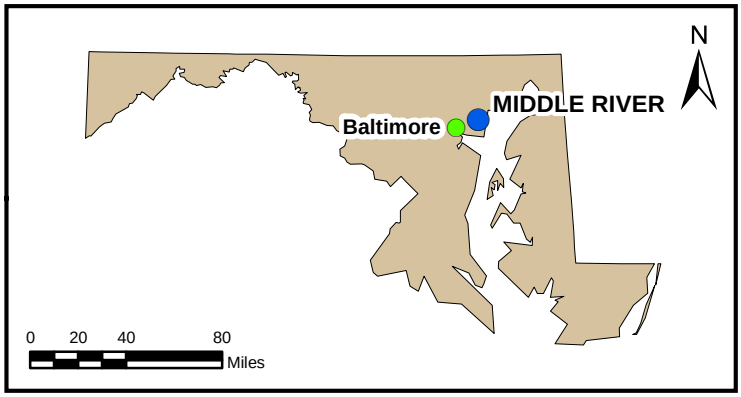


FIGURE 2-1

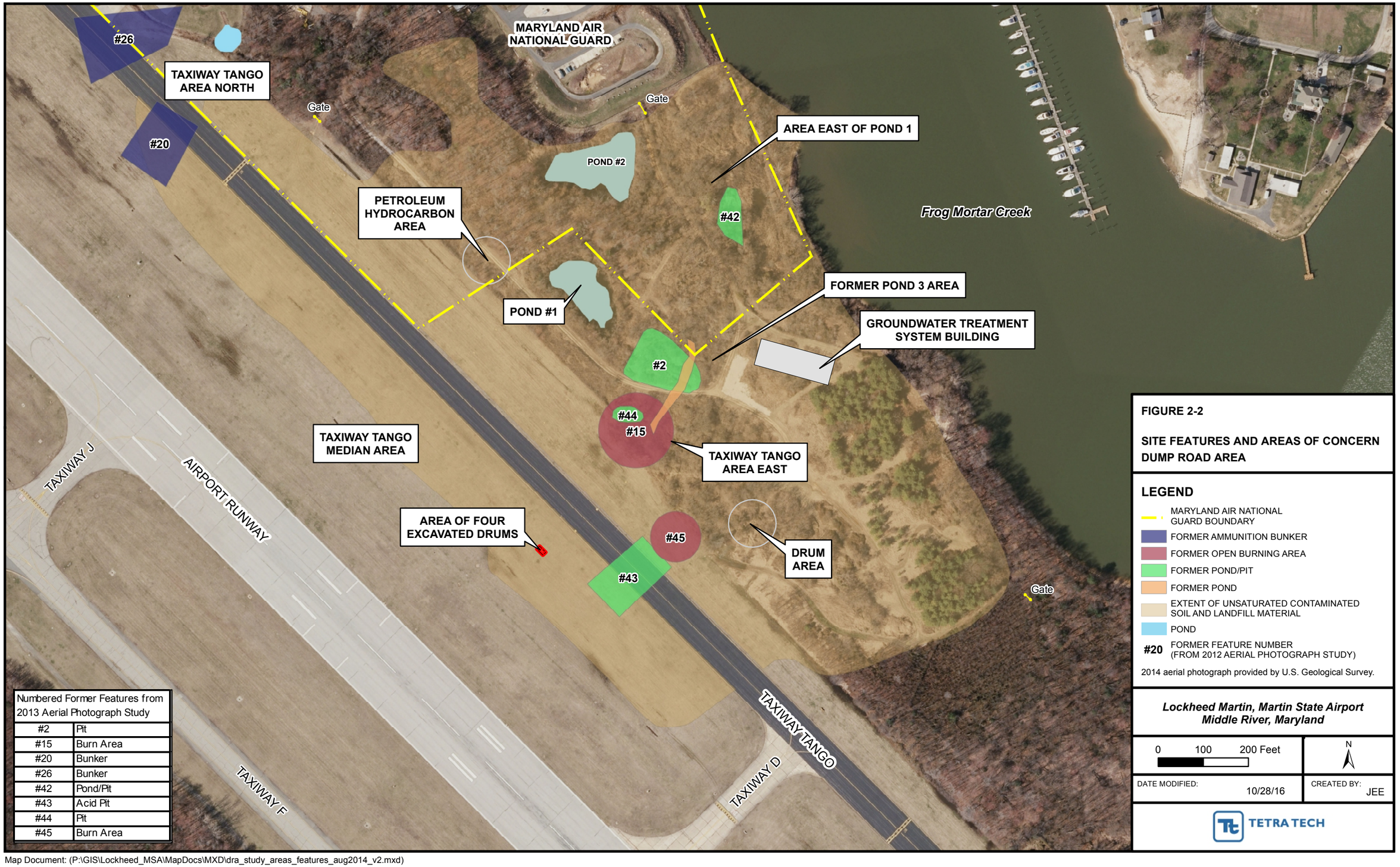
MARTIN STATE AIRPORT AND SURROUNDING FEATURES

Lockheed Martin, Martin State Airport
Middle River, Maryland

DATE MODIFIED:	CREATED BY:
08/27/15	JEE

TETRA TECH

Map Document: (P:\GIS\Lockheed_MSA\MapDocs\MXD\msa_features_sitemap_jul2015.mxd)
08/27/15 -- JEE



Numbered Former Features from 2013 Aerial Photograph Study	
#2	Pit
#15	Burn Area
#20	Bunker
#26	Bunker
#42	Pond/Pit
#43	Acid Pit
#44	Pit
#45	Burn Area

FIGURE 2-2

SITE FEATURES AND AREAS OF CONCERN DUMP ROAD AREA

LEGEND

- MARYLAND AIR NATIONAL GUARD BOUNDARY
- FORMER AMMUNITION BUNKER
- FORMER OPEN BURNING AREA
- FORMER POND/PIT
- FORMER POND
- EXTENT OF UNSATURATED CONTAMINATED SOIL AND LANDFILL MATERIAL
- POND
- #20 FORMER FEATURE NUMBER (FROM 2012 AERIAL PHOTOGRAPH STUDY)

2014 aerial photograph provided by U.S. Geological Survey.

Lockheed Martin, Martin State Airport
Middle River, Maryland

0 100 200 Feet

N

DATE MODIFIED: 10/28/16

CREATED BY: JEE

TETRA TECH

Map Document: (P:\GIS\Lockheed_MSA\MapDocs\MXD\dra_study_areas_features_aug2014_v2.mxd)
10/28/16 -- JEE



FIGURE 3-1

JUNE 2020 SURFACE WATER SAMPLING LOCATIONS FROG MORTAR CREEK

LEGEND

- SURFACE WATER SAMPLE LOCATION
- GROUNDWATER MONITORING WELL
- ABANDONED WELL
- OUTLINE OF FORMER COVE
- MARYLAND AIR NATIONAL GUARD BOUNDARY
- EXTENT OF UNSATURATED CONTAMINATED SOIL AND LANDFILL MATERIAL - DUMP ROAD AREA
- POND

2017 aerial photograph provided by the State of Maryland.

Lockheed Martin, Martin State Airport
Middle River, Maryland

0 150 300 Feet

N

DATE MODIFIED: 08/04/20

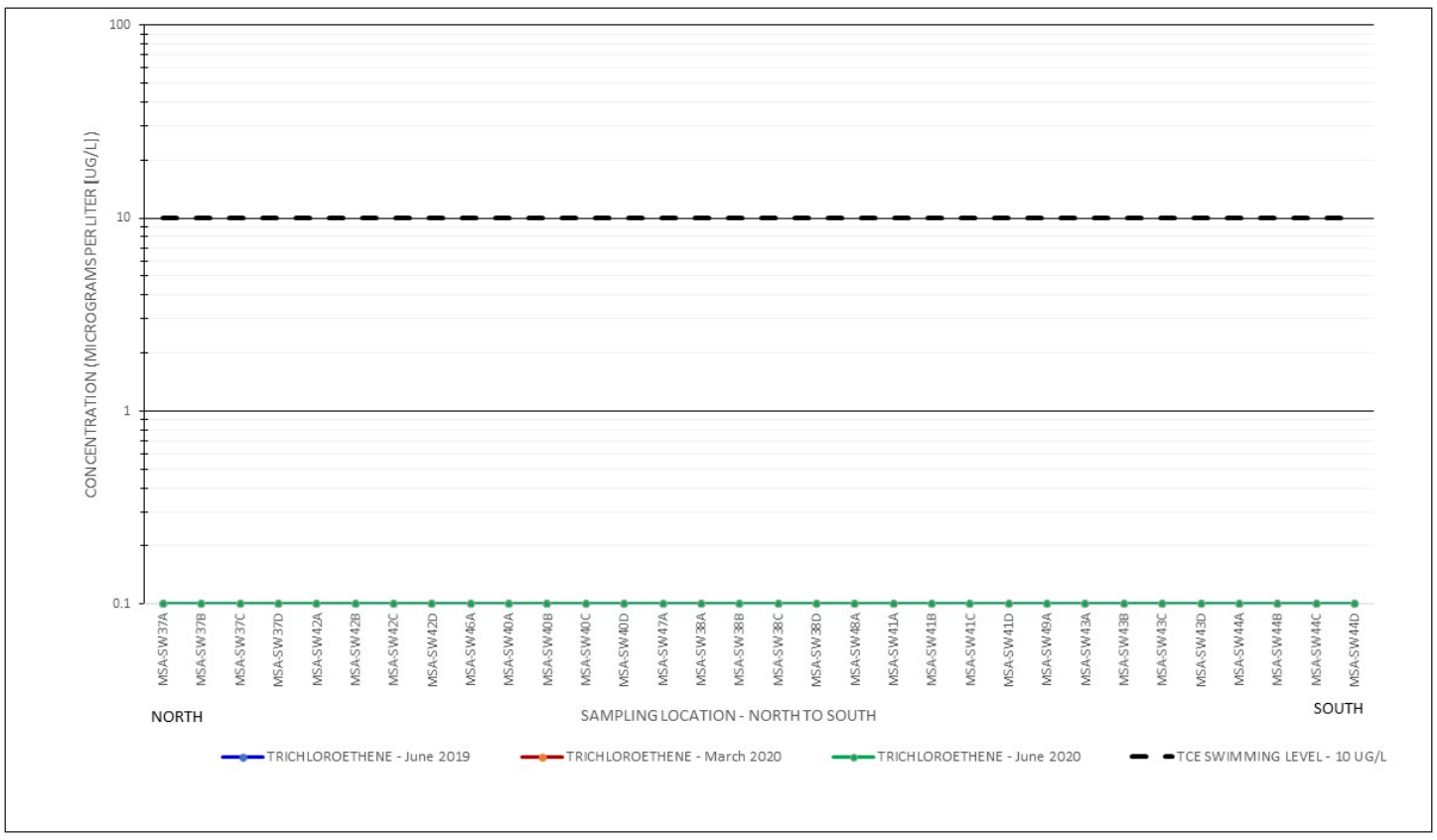
CREATED BY: PFO

TETRA TECH

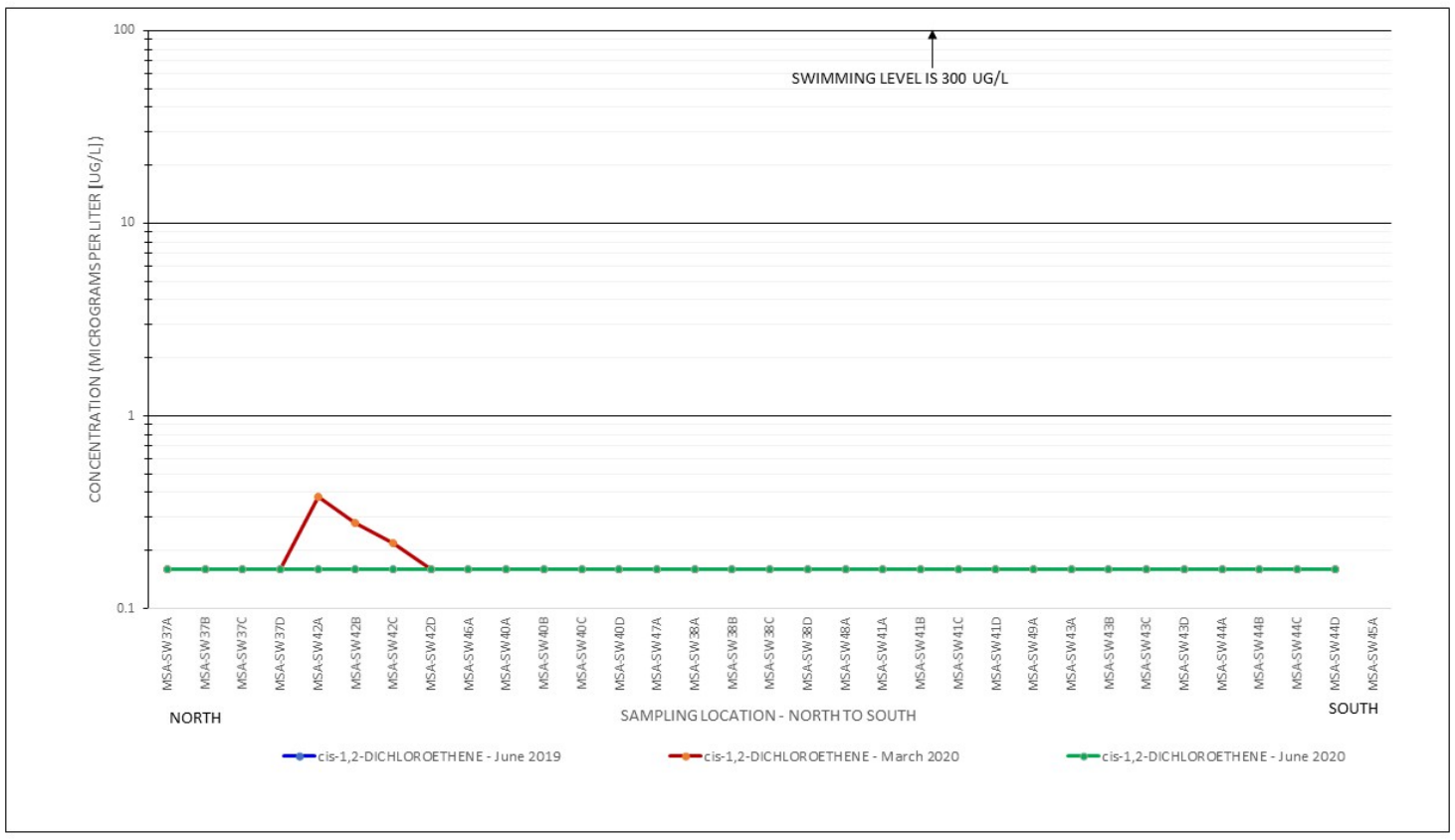
Map Document: GER (K:\Patrick\GIS\Lockheed_MSA\MapDocs\MXDs\fmc_sw_samplocs_jun2020.mxd)
08/04/20 -- PFO

C:\Users\josh.mullis\Desktop\MSA SW 2020 reports\June 2020 report

TRICHLOROETHENE



CIS-1,2-DICHLOROETHENE



VINYL CHLORIDE

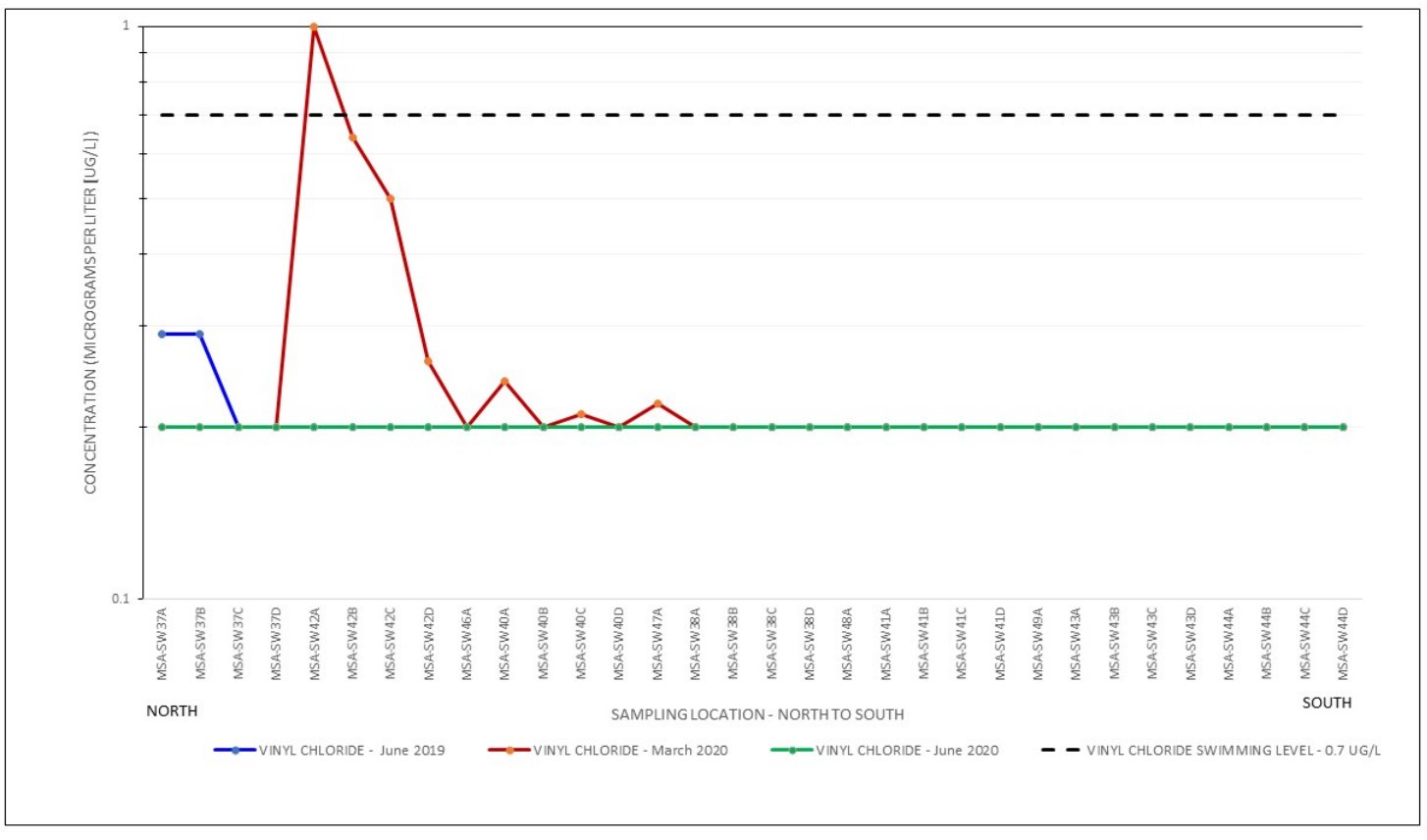


FIGURE 4-1

CONCENTRATIONS OF TRICHLOROETHENE, cis-1,2-DICHLOROETHENE AND VINYL CHLORIDE ALONG SURFACE WATER SAMPLING TRANSECTS FOR JUNE 2019, MARCH 2020, AND JUNE 2020 FROG MORTAR CREEK

Lockheed Martin, Martin State Airport Middle River, Maryland

DATE MODIFIED:	CREATED BY:
9/4/2020	JAM

TETRA TECH

TABLES

Table 3-1 List of Samples and Chemical Analyses for Surface Water—June 2020

Table 4-1 Comparison of Primary Volatile Organic Compound Results Detected in Surface Water for the June 2019, March 2020, and June 2020 Sampling Rounds

Table 3-1
List of Samples and Chemical Analyses for Surface Water—June 2020
Frog Mortar Creek, Martin State Airport
Middle River, Maryland

Surface water sampling location/ Transect No.[1]	Analytical Requirements Volatile organic compounds (USEPA SW846 8260C) 3 × 40 mL vials with hydrochloric acid
MSA-SW37	X
MSA-SW38	X
MSA-SW40	X
MSA-SW41	X
MSA-SW42	X
MSA-SW43	X
MSA-SW44	X
MSA-SW46	X
MSA-SW47	X
MSA-SW48	X
MSA-SW49	X
EL-SW01[2]	X[2]

1. Four samples, at locations -A, -B, -C, and -D, were collected from each transect, except for sampling locations SW46, SW47, SW48, and SW49, where only western shore "A" samples were collected. See Section 3.1.3 for sample nomenclature/sample ID.

2. The Edwards Lane (EL) transect will only be sampled in June 2020.

mL – milliliter

USEPA – United States Environmental Protection Agency

Table 4-3
Comparison of Primary Volatile Organic Compound Results Detected in Surface Water for the June 2019, March 2020, and June 2020 Sampling Rounds
Frog Mortar Creek, Martin State Airport
Middle River, Maryland

	Trichloroethene (µg/L)			cis-1,2-Dichloroethene (µg/L)			Vinyl chloride (µg/L)		
Location ID	06/12/2019	03/03/2020	06/15/2020	06/12/2019	03/03/2020	06/15/2020	06/12/2019	03/03/2020	06/15/2020
Average-detections only	--	--	--	--	0.293333	--	0.29	0.439	--
Average-all samples[1]	0.05	0.05	0.05	0.08	0.1	0.08	0.109	0.174	0.1
Maximum concentration	--	--	--	--	0.38 J	--	0.29 J	1	--
Number of detections/samples	0/44	0/32	0/36	0/44	3/32	0/36	2/44	7/32	0/36
EL-SW01A	0.1 U	--	0.1 U	0.16 U	--	0.16 U	0.2 U	--	0.2 U
EL-SW01B	0.1 U	--	0.1 U	0.16 U	--	0.16 U	0.2 U	--	0.2 U
EL-SW01C	0.1 U	--	0.1 U	0.16 U	--	0.16 U	0.2 U	--	0.2 U
EL-SW01D	0.1 U	--	0.1 U	0.16 U	--	0.16 U	0.2 U	--	0.2 U
MSA-SW37A	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	**0.29 J**	0.2 U	0.2 U
MSA-SW37B	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	**0.29 J**	0.2 U	0.2 U
MSA-SW37C	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW37D	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW38A	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW38B	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW38C	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW38D	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW39A	0.1 U	--	--	0.16 U	--	--	0.2 U	--	--
MSA-SW39B	0.1 U	--	--	0.16 U	--	--	0.2 U	--	--
MSA-SW39C	0.1 U	--	--	0.16 U	--	--	0.2 U	--	--
MSA-SW39D	0.1 U	--	--	0.16 U	--	--	0.2 U	--	--
MSA-SW40A	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	**0.24 J**	0.2 U
MSA-SW40B	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW40C	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	**0.21 J**	0.2 U
MSA-SW40D	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW41A	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW41B	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW41C	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW41D	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW42A	0.1 U	0.1 U	0.1 U	0.16 U	**0.38 J**	0.16 U	0.2 U	**1**	0.2 U
MSA-SW42B	0.1 U	0.1 U	0.1 U	0.16 U	**0.28 J**	0.16 U	0.2 U	**0.64**	0.2 U
MSA-SW42C	0.1 U	0.1 U	0.1 U	0.16 U	**0.22 J**	0.16 U	0.2 U	**0.5**	0.2 U
MSA-SW42D	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	**0.26 J**	0.2 U
MSA-SW43A	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW43B	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW43C	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW43D	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW44A	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW44B	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW44C	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW44D	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW45A	0.1 U	--	--	0.16 U	--	--	0.2 U	--	--
MSA-SW45B	0.1 U	--	--	0.16 U	--	--	0.2 U	--	--
MSA-SW45C	0.1 U	--	--	0.16 U	--	--	0.2 U	--	--
MSA-SW45D	0.1 U	--	--	0.16 U	--	--	0.2 U	--	--
MSA-SW46A	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW47A	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	**0.22 J**	0.2 U
MSA-SW48A	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U
MSA-SW49A	0.1 U	0.1 U	0.1 U	0.16 U	0.16 U	0.16 U	0.2 U	0.2 U	0.2 U

[1] When calculating averages for all samples, 1/2 sample quantitation limit (for non-detects) or 1/2 detection limit (for B-qualified data) are used as proxy concentrations.

Bold font indicates the analyte was detected in the sample

-- - no average can be calculated (all samples are nondetect)

J - estimated value

µg/L - micrograms per liter

U - nondetect

APPENDICES

Appendix A—Field Measurements for Water Quality and Surface-Water-Sample Log Sheets

Appendix B—Data-Validation and Full Laboratory Reports

Appendix C—Chemical-Results Data Table

APPENDIX A—FIELD MEASUREMENTS FOR WATER QUALITY AND SURFACE-WATER-SAMPLE LOG SHEETS

Sample ID		Date	Time	pH	Specific conductance (S.C.)	Temperature (Temp.)	Turbidity	Dissolved oxygen (DO)	Salinity	Oxidation-reduction potential (ORP)	Water Depth
Location	Date ID	mo/day/year	24-hour units	Standard unit (S.U.)	MilliSiemens per centimeter (mS/cm)	Degrees Celsius (°C)	Nephelometric turbidity unit (NTU)	Milligrams per liter (mg/L)	Parts per thousand (ppt)	MilliVolts (mV)	Meters
EL-SW01A	-061520	6/15/2020	1028	6.65	2.57	25.8	11.80	5.69	1.33	151	0.40
EL-SW01B	-061520	6/15/2020	1031	7.01	2.51	25.8	9.81	5.94	1.30	154	1.10
EL-SW01C	-061520	6/15/2020	1034	7.23	2.51	25.8	11.40	6.57	1.30	155	1.20
EL-SW-01D	-061520	6/15/2020	1036	7.33	2.52	25.8	8.78	6.57	1.31	157	1.50
MSA-SW37A	-061520	6/15/2020	1220	7.82	2.35	26.6	9.74	6.99	1.21	136	0.50
MSA-SW37B	-061520	6/15/2020	1223	7.80	2.40	26.0	8.87	6.61	1.23	137	1.10
MSA-SW37C	-061520	6/15/2020	1226	7.80	2.40	26.0	10.03	6.65	1.23	138	1.50
MSA-SW37D	-061520	6/15/2020	1230	7.78	2.40	26.0	10.65	8.03	1.23	139	>1.6
MSA-SW38A	-061520	6/15/2020	1136	7.80	2.48	26.27	9.31	6.65	1.28	143	0.50
MSA-SW38B	-061520	6/15/2020	1139	7.81	2.49	25.93	10.21	6.64	1.28	144	1.30
MSA-SW38C	-061520	6/15/2020	1143	7.76	2.49	25.87	9.44	6.81	1.28	144	1.60
MSA-SW38D	-061520	6/15/2020	1145	7.76	2.53	25.94	9.00	6.65	1.29	144	>1.6
MSA-SW40A	-061520	6/15/2020	1152	7.85	2.46	26.25	9.11	6.98	1.26	138	0.50
MSA-SW40B	-061520	6/15/2020	1155	7.85	2.42	26.05	8.63	7.04	1.25	139	0.90
MSA-SW40C	-061520	6/15/2020	1157	7.84	2.43	25.97	`11.51	7.13	1.24	139	1.60
MSA-SW40D	-061520	6/15/2020	1200	7.84	2.45	25.99	9.12	6.71	1.26	139	>1.6
MSA-SW41A	-061520	6/15/2020	1120	7.72	2.47	26.03	9.73	6.62	1.27	146	0.50
MSA-SW41B	-061520	6/15/2020	1123	7.73	2.49	25.09	10.96	6.65	1.28	147	0.90
MSA-SW41C	-061520	6/15/2020	1126	7.71	2.49	25.87	9.63	6.63	1.28	148	1.40
MSA-SW41D	-061520	6/15/2020	1129	7.72	2.50	25.83	9.55	6.17	1.28	147	>1.6
MSA-SW42A	-061520	6/15/2020	1206	7.82	2.39	26.25	9.76	6.87	1.23	139	0.60
MSA-SW42B	-061520	6/15/2020	1209	7.79	2.42	25.98	10.47	6.63	1.24	139	1.60
MSA-SW42C	-061520	6/15/2020	1211	7.82	2.43	25.97	9.75	6.92	1.25	139	1.60
MSA-SW42D	-061520	6/15/2020	1215	7.82	2.43	25.97	10.63	6.95	1.25	139	>1.6
MSA-SW43A	-061520	6/15/2020	1102	7.64	2.48	25.81	10.04	6.38	1.27	148	0.50
MSA-SW43B	-061520	6/15/2020	1106	7.68	2.49	25.77	8.90	6.46	1.28	148	0.80
MSA-SW43C	-061520	6/15/2020	1109	7.68	2.49	25.68	11.09	6.39	1.28	149	1.50
MSA-SW43D	-061520	6/15/2020	1112	7.65	2.52	25.61	10.62	6.21	1.29	150	>1.6
MSA-SW44A	-061520	6/15/2020	1048	7.52	2.56	25.61	11.20	6.48	1.32	151	0.50
MSA-SW44B	-061520	6/15/2020	1050	7.55	2.53	25.50	10.64	6.66	1.30	152	1.10
MSA-SW44C	-061520	6/15/2020	1053	7.56	2.54	25.42	10.80	6.30	1.31	152	1.50
MSA-SW44D	-061520	6/15/2020	1056	7.55	2.65	25.52	10.86	6.58	1.37	154	>1.6
MSA-SW46A	-061520	6/15/2020	1202	7.84	2.38	26.26	9.31	7.16	1.22	139	0.70
MSA-SW47A	-061520	6/15/2020	1147	7.81	2.48	26.36	12.40	6.87	1.27	140	0.60
MSA-SW48A	-061520	6/15/2020	1133	7.75	2.49	26.05	9.90	6.50	1.28	145	0.60
MSA-SW49A	-061520	6/15/2020	1115	7.69	2.48	25.87	10.22	6.40	1.27	147	0.40

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: EL-SW01A -061520
Sample Location: EL-SW01A
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1028								
Depth:	1 ft below water	**clear**	**6.65**	**2.57**	**25.79**	**11.80**	**5.69**	**1.33**	**151**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.40 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: EL-SW01B -061520
Sample Location: EL-SW01B
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1031								
Depth:	1 ft below water	**clear**	**7.01**	**2.51**	**25.77**	**9.81**	**5.94**	**1.3**	**154**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 1.10 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: EL-SW01C -061520
Sample Location: EL-SW01C
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1034								
Depth:	1 ft below water	**clear**	**7.23**	**2.51**	**25.82**	**11.40**	**6.57**	**1.3**	**155**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 1.20 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: EL-SW01D -061520
Sample Location: EL-SW01D
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1036								
Depth:	1 ft below water	**clear**	**7.33**	**2.52**	**25.75**	**8.78**	**6.57**	**1.31**	**157**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 1.50 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW37A -061520
Sample Location: MSA-SW37A
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1220								
Depth:	1 ft below water	**clear**	**7.82**	**2.35**	**26.59**	**9.74**	**6.99**	**1.21**	**136**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW37B -061520
Sample Location: MSA-SW37B
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1223								
Depth:	1 ft below water	**clear**	**7.8**	**2.4**	**26.03**	**8.87**	**6.61**	**1.23**	**137**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 1.1 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW37C -061520
Sample Location: MSA-SW37C
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1226								
Depth:	1 ft below water	**clear**	**7.8**	**2.4**	**25.95**	**10.03**	**6.65**	**1.23**	**138**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 1.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW37D -061520
Sample Location: MSA-SW37D
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1230								
Depth:	1 ft below water	**clear**	**7.78**	**2.4**	**25.95**	**10.65**	**8.03**	**1.23**	**139**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth >1.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW38A -061520
Sample Location: MSA-SW38A
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1136								
Depth:	1 ft below water	**clear**	**7.80**	**2.48**	**26.27**	**9.31**	**6.65**	**1.28**	**143**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW38B -061520
Sample Location: MSA-SW38B
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020								
Time:	1139	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**7.81**	**2.49**	**25.93**	**10.21**	**6.64**	**1.28**	**144**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 1.3 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW38C -061520
Sample Location: MSA-SW38C
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1143								
Depth:	1 ft below water	**clear**	**7.76**	**2.49**	**25.87**	**9.44**	**6.81**	**1.28**	**144**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 1.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW38D -061520
Sample Location: MSA-SW38D
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1145								
Depth:	1 ft below water	**clear**	**7.76**	**2.53**	**25.94**	**9.00**	**6.65**	**1.29**	**144**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth >1.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW40A -061520
Sample Location: MSA-SW40A
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020								
Time:	1152	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**7.85**	**2.46**	**26.25**	**9.11**	**6.98**	**1.3**	**138**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW40B -061520
Sample Location: MSA-SW40B
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1155								
Depth:	1 ft below water	**clear**	**7.85**	**2.42**	**26.05**	**8.63**	**7.04**	**1.3**	**139**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.9 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW40C -061520
Sample Location: MSA-SW40C
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1157								
Depth:	1 ft below water	**clear**	**7.84**	**2.43**	**25.97**	**`11.51**	**7.13**	**1.2**	**139**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 1.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW40D -061520
Sample Location: MSA-SW40D
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1200								
Depth:	1 ft below water	**clear**	**7.84**	**2.45**	**25.99**	**9.12**	**6.71**	**1.3**	**139**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth >1.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW41A -061520
Sample Location: MSA-SW41A
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1120								
Depth:	1 ft below water	**clear**	**7.72**	**2.47**	**26.03**	**9.73**	**6.62**	**1.3**	**146**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW41B -061520
Sample Location: MSA-SW41B
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1123								
Depth:	1 ft below water	**clear**	**7.73**	**2.49**	**25.09**	**10.96**	**6.65**	**1.3**	**147**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.9 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW41C -061520
Sample Location: MSA-SW41C
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1126								
Depth:	1 ft below water	**clear**	**7.71**	**2.49**	**25.87**	**9.63**	**6.63**	**1.3**	**148**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 1.4 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW41D -061520
Sample Location: MSA-SW41D
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1129								
Depth:	1 ft below water	**clear**	**7.72**	**2.50**	**25.83**	**9.55**	**6.17**	**1.3**	**147**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth >1.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW42A -061520
Sample Location: MSA-SW42A
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1206								
Depth:	1 ft below water	**clear**	**7.82**	**2.39**	**26.25**	**9.76**	**6.87**	**1.2**	**139**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW42B -061520
Sample Location: MSA-SW42B
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1209								
Depth:	1 ft below water	**clear**	**7.79**	**2.42**	**25.98**	**10.47**	**6.63**	**1.2**	**139**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 1.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW42C -061520
Sample Location: MSA-SW42C
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1211								
Depth:	1 ft below water	**clear**	**7.82**	**2.43**	**25.97**	**9.75**	**6.92**	**1.3**	**139**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 1.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW42D -061520
Sample Location: MSA-SW42D
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1215								
Depth:	1 ft below water	**clear**	**7.82**	**2.43**	**25.97**	**10.63**	**6.95**	**1.3**	**139**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth >1.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW43A -061520
Sample Location: MSA-SW43A
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1102								
Depth:	1 ft below water	**clear**	**7.64**	**2.48**	**25.81**	**10.04**	**6.38**	**1.3**	**148**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW43B -061520
Sample Location: MSA-SW43B
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1106								
Depth:	1 ft below water	**clear**	**7.68**	**2.49**	**25.77**	**8.90**	**6.46**	**1.3**	**148**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.8 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW43C -061520
Sample Location: MSA-SW43C
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1109								
Depth:	1 ft below water	**clear**	**7.68**	**2.49**	**25.68**	**11.09**	**6.39**	**1.3**	**149**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 1.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW43D -061520
Sample Location: MSA-SW43D
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1112								
Depth:	1 ft below water	**clear**	**7.65**	**2.52**	**25.61**	**10.62**	**6.21**	**1.3**	**150**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth >1.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW44A -061520
Sample Location: MSA-SW44A
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1048								
Depth:	1 ft below water	**clear**	**7.52**	**2.56**	**25.61**	**11.20**	**6.48**	**1.3**	**151**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW44B -061520
Sample Location: MSA-SW44B
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1050								
Depth:	1 ft below water	**clear**	**7.55**	**2.53**	**25.50**	**10.64**	**6.66**	**1.3**	**152**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 1.1 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW44C -061520
Sample Location: MSA-SW44C
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020								
Time:	1053	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**7.56**	**2.54**	**25.42**	**10.80**	**6.30**	**1.3**	**152**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 1.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW44D -061520
Sample Location: MSA-SW44D
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	6/15/2020	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1056								
Depth:	1 ft below water	**clear**	**7.55**	**2.65**	**25.52**	**10.86**	**6.58**	**1.4**	**154**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs + TICs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth >1.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW46A -061520
Sample Location: MSA-SW46A
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	#REF!								
Time:	1202	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**7.84**	**2.38**	**26.26**	**9.31**	**7.16**	**1.2**	**139**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.7 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW47A -061520
Sample Location: MSA-SW47A
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	#REF!								
Time:	1147	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**7.81**	**2.48**	**26.36**	**12.40**	**6.87**	**1.3**	**140**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW48A -061520
Sample Location: MSA-SW48A
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	#REF!								
Time:	1133	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**7.75**	**2.49**	**26.05**	**9.90**	**6.50**	**1.3**	**145**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09023

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek - freshwater
[] QA Sample Type:

Sample ID No.: MSA-SW49A -061520
Sample Location: MSA-SW49A
Sampled By: J. Mullis
C.O.C. No.:

Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	#REF!	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1115								
Depth:	1 ft below water	**clear**	**7.69**	**2.48**	**25.87**	**10.22**	**6.40**	**1.3**	**147**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL pH<2	3 - 40 mL glass vials	Yes

OBSERVATIONS / NOTES:

Water depth 0.4 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

APPENDIX B—DATA-VALIDATION AND FULL LABORATORY REPORTS

TETRA TECH

INTERNAL CORRESPONDENCE

TO: **S. BRENNER** **DATE:** **AUGUST 5, 2020**

FROM: **LEIGH A. CIOFANI** **COPIES:** **DV FILE**

SUBJECT: **DATA VALIDATION – VOC**
MSA SURFACE WATER SAMPLING
SAMPLE DELIVERY GROUP (SDG) 240-131928-1

SAMPLES: 37 / Aqueous – VOC

EL-SW01A-061520	EL-SW01B-061520	EL-SW01C-061520
EL-SW01D-061520	MSA-SW37A-061520	MSA-SW37B-061520
MSA-SW37C-061520	MSA-SW37D-061520	MSA-SW38A-061520
MSA-SW38B-061520	MSA-SW38C-061520	MSA-SW38D-061520
MSA-SW40A-061520	MSA-SW40B-061520	MSA-SW40C-061520
MSA-SW40D-061520	MSA-SW41A-061520	MSA-SW41B-061520
MSA-SW41C-061520	MSA-SW41D-061520	MSA-SW42A-061520
MSA-SW42B-061520	MSA-SW42C-061520	MSA-SW42D-061520
MSA-SW43A-061520	MSA-SW43B—061520	MSA-SW43C-061520
MSA-SW43D-061520	MSA-SW44A-061520	MSA-SW44B-061520
MSA-SW44C-061520	MSA-SW44D-061520	MSA-SW46A-061520
MSA-SW47A-061520	MSA-SW48A-061520	MSA-SW49A--061520
TB--061520		

Overview

The sample set for the MSA Surface Water Sampling, SDG 240-131928-1, consisted of thirty-six (36) aqueous samples and one (1) aqueous trip blank sample. The aqueous samples and the one (1) aqueous trip blank sample were analyzed for select volatile organic compounds (VOCs) as listed above. No field duplicate sample pairs were included in the SDG.

The samples were collected by Tetra Tech on June 15, 2020, and analyzed by Eurofins TestAmerica Laboratories, Inc., North Canton, for all analyses. All analyses were conducted in accordance with USEPA SW-846 Method 8260C analytical and reporting protocols.

The data contained in this SDG were validated with regard to the following parameters: data completeness, holding times, GC/MS tuning, initial/continuing calibrations, blank results, laboratory control sample (LCS) results, surrogate spike recoveries, internal standard recoveries, chromatographic resolution, analyte identification, analyte quantitation, and detection limits. Areas of concern are listed below.

Major Problems

- All samples were acid preserved per the Chain of Custody. Acid preservation results in degradation of the analyte 2-chloroethyl vinyl ether. All samples had non-detected 2-chloroethyl vinyl ether results that were qualified as rejected (UR) due to the acid preservation.

Minor Problems

- The continuing calibration verification (CCV) percent differences (%Ds) were greater than the 20% quality control limits for dichlorodifluoromethane, chloromethane, and hexachlorobutadiene on 06/25/2020 at 16:36 affecting samples MSA-SW40D-061520, MSA-SW41A-061520, MSA-SW41B-061520, MSA-SW41C-061520, and MSA-SW41D-061520. All aforementioned samples had non-detected results for these analytes, which were qualified estimated (UJ).

- The CCV %Ds were greater than the 20% quality control limit for bromomethane, acetone, tertiary-butyl alcohol, vinyl acetate, 2-butanone, 2,2-dichloropropane, diisopropyl ether, tert-amyl methyl ether, and 1,2,3-trimethylbenzene for instrument A3UX16 on 06/26/2020 at 00:26 and at 00:50 affecting samples MSA-SW42B-061520, MSA-SW42C-061520, MSA-SW42D-061520, MSA-SW43A-061520, MSA-SW43B—061520, MSA-SW43C-061520, MSA-SW43D-061520, MSA-SW44A-061520, MSA-SW44B-061520, MSA-SW44C-061520, MSA-SW44D-061520, TB—061520, MSA-SW46A-061520, MSA-SW47A-061520, MSA-SW48A-061520, MSA-SW49A—061520, EL-SW01A-061520, EL-SW01B-061520, EL-SW01C-061520, and EL-SW01D-061520. All aforementioned samples had non-detected results for these analytes, which were qualified estimated (UJ).

- The initial calibration verification (ICV) %D was greater than the 20% quality control limit for dichlorodifluoromethane for instrument A3UX19 on 08/27/2018 at 19:45 affecting samples MSA-SW37A-061520, MSA-SW37B-061520, MSA-SW37C-061520, MSA-SW37D-061520, MSA-SW38A-061520, MSA-SW38B-061520, MSA-SW38C-061520, MSA-SW38D-061520, MSA-SW40A-061520, MSA-SW40B-061520, MSA-SW40C-061520, and MSA-SW42A-061520. The aforementioned samples had non-detected results for dichlorodifluoromethane, which were qualified estimated (UJ).

- The CCV %Ds were greater than the 20% quality control limit for dichlorodifluoromethane, trichlorofluoromethane, acetone, tertiary-butyl alcohol, carbon tetrachloride, dibromomethane, 1,1,2,2-tetrachloroethane, and hexachlorobutadiene for instrument A3UX19 on 06/25/2020 at 16:32 affecting samples MSA-SW37A-061520, MSA-SW37B-061520, MSA-SW37C-061520, MSA-SW37D-061520, MSA-SW38A-061520, MSA-SW38B-061520, MSA-SW38C-061520, MSA-SW38D-061520, MSA-SW40A-061520, MSA-SW40B-061520, and MSA-SW40C-061520. The aforementioned samples had non-detected results for these analytes, which were qualified as estimated (UJ).

- The CCV %Ds were greater than the 20% quality control limit for dichlorodifluoromethane, bromomethane, trichlorofluoromethane, acetone, tertiary-butyl alcohol, dibromomethane, 1,1,2,2-tetrachloroethane, and hexachlorobutadiene for instrument A3UX19 on 06/26/2020 at 16:24 affecting sample MSA-SW42A-061520. The aforementioned sample had non-detected results for these analytes, which were qualified as estimated (UJ).

- A tentatively identified compound (TIC) search was performed for the compound chlorodifluoromethane. Non-detected results were qualified as estimated (UJ) because the compound was not calibrated and the detection limit is an estimated value.

Notes

Non-detected sample analyte results were reported to the method detection limit (MDL).

An unknown compound was reported in the method blank 240-4400070/8 with a concentration of 8.34 ug/L. No action was necessary on this basis.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Some non-detected VOC results were qualified for ICV and CCV %Ds greater than the quality control limit.

Other Factors Affecting Data Quality: Sample 2-chloroethyl vinyl ether VOC non-detected results were qualified rejected for a sample preservation issue. Non-detected results for the TIC chlorodifluoromethane were qualified as estimated because the GC/MS was not calibrated for this compound.

The data for these analyses were reviewed with reference to the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (January 2017).

Leigh A. Ciofani
Tetra Tech
Leigh A. Ciofani
Data Validator/Environmental Scientist

Joseph A. Samchuck
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Attachments:
Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted detection limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
NJ	The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
R	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
UR	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team, but exclusion of the data is recommended.

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = ICP PDS Recovery Noncompliance; MSA's r < 0.995
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; i.e.chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = RPD between columns/detectors >40% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 standard deviations is greater than sample activity
Z1 = Tentatively Identified Compound considered presumptively present
Z2 = Tentatively Identified Compound column bleed
Z3 = Tentatively Identified Compound aldol condensate
Z4 = Sample activity is less than the at uncertainty at 3 standard deviations and greater than the MDC
Z5 = Sample activity is less than the at uncertainty at 3 standard deviations and less than the MDC

PROJ_NO: 09023	NSAMPLE	EL-SW01A-061520			EL-SW01B-061520			EL-SW01C-061520			EL-SW01D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-34			240-131928-35			240-131928-36			240-131928-37		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
1,1,1-TRICHLOROETHANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,1,2,2-TETRACHLOROETHANE		0.13	U		0.13	U		0.13	U		0.13	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
1,1-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
1,1-DICHLOROPROPENE		0.14	U		0.14	U		0.14	U		0.14	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2,3-TRIMETHYLBENZENE		0.14	UJ	C	0.14	UJ	C	0.14	UJ	C	0.14	UJ	C
1,2,4-TRICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2,4-TRIMETHYLBENZENE		0.07	U		0.07	U		0.07	U		0.07	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.12	U		0.12	U		0.12	U		0.12	U	
1,2-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.16	U		0.16	U		0.16	U		0.16	U	
2,2-DICHLOROPROPANE		0.31	UJ	C	0.31	UJ	C	0.31	UJ	C	0.31	UJ	C
2-BUTANONE		1.2	UJ	C	1.2	UJ	C	1.2	UJ	C	1.2	UJ	C
2-CHLOROETHYL VINYL ETHER		0.26	UR	M	0.26	UR	M	0.26	UR	M	0.26	UR	M
2-CHLOROTOLUENE		0.15	U		0.15	U		0.15	U		0.15	U	
2-HEXANONE		0.54	U		0.54	U		0.54	U		0.54	U	
4-CHLOROTOLUENE		0.09	U		0.09	U		0.09	U		0.09	U	
4-ISOPROPYLTOLUENE		0.13	U		0.13	U		0.13	U		0.13	U	
4-METHYL-2-PENTANONE		0.42	U		0.42	U		0.42	U		0.42	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	UJ	C
BENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
BROMOBENZENE		0.12	U		0.12	U		0.12	U		0.12	U	
BROMOCHLOROMETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
BROMODICHLOROMETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
BROMOFORM		0.76	U		0.76	U		0.76	U		0.76	U	
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 09023	NSAMPLE	MSA-SW37A-061520			MSA-SW37B-061520			MSA-SW37C-061520			MSA-SW37D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-1			240-131928-2			240-131928-3			240-131928-4		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
1,1,1-TRICHLOROETHANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,1,2,2-TETRACHLOROETHANE		0.13	UJ	C	0.13	UJ	C	0.13	UJ	C	0.13	UJ	C
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
1,1-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
1,1-DICHLOROPROPENE		0.14	U		0.14	U		0.14	U		0.14	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2,3-TRIMETHYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
1,2,4-TRICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2,4-TRIMETHYLBENZENE		0.07	U		0.07	U		0.07	U		0.07	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.12	U		0.12	U		0.12	U		0.12	U	
1,2-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.16	U		0.16	U		0.16	U		0.16	U	
2,2-DICHLOROPROPANE		0.31	U		0.31	U		0.31	U		0.31	U	
2-BUTANONE		1.2	U		1.2	U		1.2	U		1.2	U	
2-CHLOROETHYL VINYL ETHER		0.26	UR	M	0.26	UR	M	0.26	UR	M	0.26	UR	M
2-CHLOROTOLUENE		0.15	U		0.15	U		0.15	U		0.15	U	
2-HEXANONE		0.54	U		0.54	U		0.54	U		0.54	U	
4-CHLOROTOLUENE		0.09	U		0.09	U		0.09	U		0.09	U	
4-ISOPROPYLTOLUENE		0.13	U		0.13	U		0.13	U		0.13	U	
4-METHYL-2-PENTANONE		0.42	U		0.42	U		0.42	U		0.42	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	UJ	C
BENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
BROMOBENZENE		0.12	U		0.12	U		0.12	U		0.12	U	
BROMOCHLOROMETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
BROMODICHLOROMETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
BROMOFORM		0.76	U		0.76	U		0.76	U		0.76	U	
BROMOMETHANE		0.42	U		0.42	U		0.42	U		0.42	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW38A-061520			MSA-SW38B-061520			MSA-SW38C-061520			MSA-SW38D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-5			240-131928-6			240-131928-7			240-131928-8		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
1,1,1-TRICHLOROETHANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,1,2,2-TETRACHLOROETHANE		0.13	UJ	C	0.13	UJ	C	0.13	UJ	C	0.13	UJ	C
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
1,1-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
1,1-DICHLOROPROPENE		0.14	U		0.14	U		0.14	U		0.14	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2,3-TRIMETHYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
1,2,4-TRICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2,4-TRIMETHYLBENZENE		0.07	U		0.07	U		0.07	U		0.07	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.12	U		0.12	U		0.12	U		0.12	U	
1,2-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.16	U		0.16	U		0.16	U		0.16	U	
2,2-DICHLOROPROPANE		0.31	U		0.31	U		0.31	U		0.31	U	
2-BUTANONE		1.2	U		1.2	U		1.2	U		1.2	U	
2-CHLOROETHYL VINYL ETHER		0.26	UR	M	0.26	UR	M	0.26	UR	M	0.26	UR	M
2-CHLOROTOLUENE		0.15	U		0.15	U		0.15	U		0.15	U	
2-HEXANONE		0.54	U		0.54	U		0.54	U		0.54	U	
4-CHLOROTOLUENE		0.09	U		0.09	U		0.09	U		0.09	U	
4-ISOPROPYLTOLUENE		0.13	U		0.13	U		0.13	U		0.13	U	
4-METHYL-2-PENTANONE		0.42	U		0.42	U		0.42	U		0.42	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	UJ	C
BENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
BROMOBENZENE		0.12	U		0.12	U		0.12	U		0.12	U	
BROMOCHLOROMETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
BROMODICHLOROMETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
BROMOFORM		0.76	U		0.76	U		0.76	U		0.76	U	
BROMOMETHANE		0.42	U		0.42	U		0.42	U		0.42	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW40A-061520			MSA-SW40B-061520			MSA-SW40C-061520			MSA-SW40D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-9			240-131928-10			240-131928-11			240-131928-12		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
1,1,1-TRICHLOROETHANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,1,2,2-TETRACHLOROETHANE		0.13	UJ	C	0.13	UJ	C	0.13	UJ	C	0.13	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
1,1-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
1,1-DICHLOROPROPENE		0.14	U		0.14	U		0.14	U		0.14	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2,3-TRIMETHYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
1,2,4-TRICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2,4-TRIMETHYLBENZENE		0.07	U		0.07	U		0.07	U		0.07	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.12	U		0.12	U		0.12	U		0.12	U	
1,2-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.16	U		0.16	U		0.16	U		0.16	U	
2,2-DICHLOROPROPANE		0.31	U		0.31	U		0.31	U		0.31	U	
2-BUTANONE		1.2	U		1.2	U		1.2	U		1.2	U	
2-CHLOROETHYL VINYL ETHER		0.26	UR	M	0.26	UR	M	0.26	UR	M	0.26	UR	M
2-CHLOROTOLUENE		0.15	U		0.15	U		0.15	U		0.15	U	
2-HEXANONE		0.54	U		0.54	U		0.54	U		0.54	U	
4-CHLOROTOLUENE		0.09	U		0.09	U		0.09	U		0.09	U	
4-ISOPROPYLTOLUENE		0.13	U		0.13	U		0.13	U		0.13	U	
4-METHYL-2-PENTANONE		0.42	U		0.42	U		0.42	U		0.42	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	U	
BENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
BROMOBENZENE		0.12	U		0.12	U		0.12	U		0.12	U	
BROMOCHLOROMETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
BROMODICHLOROMETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
BROMOFORM		0.76	U		0.76	U		0.76	U		0.76	U	
BROMOMETHANE		0.42	U		0.42	U		0.42	U		0.42	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW41A-061520			MSA-SW41B-061520			MSA-SW41C-061520			MSA-SW41D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-13			240-131928-14			240-131928-15			240-131928-16		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
1,1,1-TRICHLOROETHANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,1,2,2-TETRACHLOROETHANE		0.13	U		0.13	U		0.13	U		0.13	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
1,1-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
1,1-DICHLOROPROPENE		0.14	U		0.14	U		0.14	U		0.14	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2,3-TRIMETHYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
1,2,4-TRICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2,4-TRIMETHYLBENZENE		0.07	U		0.07	U		0.07	U		0.07	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.12	U		0.12	U		0.12	U		0.12	U	
1,2-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.16	U		0.16	U		0.16	U		0.16	U	
2,2-DICHLOROPROPANE		0.31	U		0.31	U		0.31	U		0.31	U	
2-BUTANONE		1.2	U		1.2	U		1.2	U		1.2	U	
2-CHLOROETHYL VINYL ETHER		0.26	UR	M	0.26	UR	M	0.26	UR	M	0.26	UR	M
2-CHLOROTOLUENE		0.15	U		0.15	U		0.15	U		0.15	U	
2-HEXANONE		0.54	U		0.54	U		0.54	U		0.54	U	
4-CHLOROTOLUENE		0.09	U		0.09	U		0.09	U		0.09	U	
4-ISOPROPYLTOLUENE		0.13	U		0.13	U		0.13	U		0.13	U	
4-METHYL-2-PENTANONE		0.42	U		0.42	U		0.42	U		0.42	U	
ACETONE		5.4	U		5.4	U		5.4	U		5.4	U	
BENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
BROMOBENZENE		0.12	U		0.12	U		0.12	U		0.12	U	
BROMOCHLOROMETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
BROMODICHLOROMETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
BROMOFORM		0.76	U		0.76	U		0.76	U		0.76	U	
BROMOMETHANE		0.42	U		0.42	U		0.42	U		0.42	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW42A-061520			MSA-SW42B-061520			MSA-SW42C-061520			MSA-SW42D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-17			240-131928-18			240-131928-19			240-131928-20		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
1,1,1-TRICHLOROETHANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,1,2,2-TETRACHLOROETHANE		0.13	UJ	C	0.13	U		0.13	U		0.13	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
1,1-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
1,1-DICHLOROPROPENE		0.14	U		0.14	U		0.14	U		0.14	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2,3-TRIMETHYLBENZENE		0.14	U		0.14	UJ	C	0.14	UJ	C	0.14	UJ	C
1,2,4-TRICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2,4-TRIMETHYLBENZENE		0.07	U		0.07	U		0.07	U		0.07	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.12	U		0.12	U		0.12	U		0.12	U	
1,2-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.16	U		0.16	U		0.16	U		0.16	U	
2,2-DICHLOROPROPANE		0.31	U		0.31	UJ	C	0.31	UJ	C	0.31	UJ	C
2-BUTANONE		1.2	U		1.2	UJ	C	1.2	UJ	C	1.2	UJ	C
2-CHLOROETHYL VINYL ETHER		0.26	UR	M	0.26	UR	M	0.26	UR	M	0.26	UR	M
2-CHLOROTOLUENE		0.15	U		0.15	U		0.15	U		0.15	U	
2-HEXANONE		0.54	U		0.54	U		0.54	U		0.54	U	
4-CHLOROTOLUENE		0.09	U		0.09	U		0.09	U		0.09	U	
4-ISOPROPYLTOLUENE		0.13	U		0.13	U		0.13	U		0.13	U	
4-METHYL-2-PENTANONE		0.42	U		0.42	U		0.42	U		0.42	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	UJ	C
BENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
BROMOBENZENE		0.12	U		0.12	U		0.12	U		0.12	U	
BROMOCHLOROMETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
BROMODICHLOROMETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
BROMOFORM		0.76	U		0.76	U		0.76	U		0.76	U	
BROMOMETHANE		0.42	U		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 09023	NSAMPLE	MSA-SW43A-061520			MSA-SW43B--061520			MSA-SW43C-061520			MSA-SW43D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-21			240-131928-22			240-131928-23			240-131928-24		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
1,1,1-TRICHLOROETHANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,1,2,2-TETRACHLOROETHANE		0.13	U		0.13	U		0.13	U		0.13	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
1,1-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
1,1-DICHLOROPROPENE		0.14	U		0.14	U		0.14	U		0.14	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2,3-TRIMETHYLBENZENE		0.14	UJ	C	0.14	UJ	C	0.14	UJ	C	0.14	UJ	C
1,2,4-TRICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2,4-TRIMETHYLBENZENE		0.07	U		0.07	U		0.07	U		0.07	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.12	U		0.12	U		0.12	U		0.12	U	
1,2-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.16	U		0.16	U		0.16	U		0.16	U	
2,2-DICHLOROPROPANE		0.31	UJ	C	0.31	UJ	C	0.31	UJ	C	0.31	UJ	C
2-BUTANONE		1.2	UJ	C	1.2	UJ	C	1.2	UJ	C	1.2	UJ	C
2-CHLOROETHYL VINYL ETHER		0.26	UR	M	0.26	UR	M	0.26	UR	M	0.26	UR	M
2-CHLOROTOLUENE		0.15	U		0.15	U		0.15	U		0.15	U	
2-HEXANONE		0.54	U		0.54	U		0.54	U		0.54	U	
4-CHLOROTOLUENE		0.09	U		0.09	U		0.09	U		0.09	U	
4-ISOPROPYLTOLUENE		0.13	U		0.13	U		0.13	U		0.13	U	
4-METHYL-2-PENTANONE		0.42	U		0.42	U		0.42	U		0.42	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	UJ	C
BENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
BROMOBENZENE		0.12	U		0.12	U		0.12	U		0.12	U	
BROMOCHLOROMETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
BROMODICHLOROMETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
BROMOFORM		0.76	U		0.76	U		0.76	U		0.76	U	
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 09023	NSAMPLE	MSA-SW44A-061520			MSA-SW44B-061520			MSA-SW44C-061520			MSA-SW44D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-25			240-131928-26			240-131928-27			240-131928-28		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
1,1,1-TRICHLOROETHANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,1,2,2-TETRACHLOROETHANE		0.13	U		0.13	U		0.13	U		0.13	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
1,1-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
1,1-DICHLOROPROPENE		0.14	U		0.14	U		0.14	U		0.14	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2,3-TRIMETHYLBENZENE		0.14	UJ	C	0.14	UJ	C	0.14	UJ	C	0.14	UJ	C
1,2,4-TRICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2,4-TRIMETHYLBENZENE		0.07	U		0.07	U		0.07	U		0.07	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.12	U		0.12	U		0.12	U		0.12	U	
1,2-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.16	U		0.16	U		0.16	U		0.16	U	
2,2-DICHLOROPROPANE		0.31	UJ	C	0.31	UJ	C	0.31	UJ	C	0.31	UJ	C
2-BUTANONE		1.2	UJ	C	1.2	UJ	C	1.2	UJ	C	1.2	UJ	C
2-CHLOROETHYL VINYL ETHER		0.26	UR	M	0.26	UR	M	0.26	UR	M	0.26	UR	M
2-CHLOROTOLUENE		0.15	U		0.15	U		0.15	U		0.15	U	
2-HEXANONE		0.54	U		0.54	U		0.54	U		0.54	U	
4-CHLOROTOLUENE		0.09	U		0.09	U		0.09	U		0.09	U	
4-ISOPROPYLTOLUENE		0.13	U		0.13	U		0.13	U		0.13	U	
4-METHYL-2-PENTANONE		0.42	U		0.42	U		0.42	U		0.42	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	UJ	C
BENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
BROMOBENZENE		0.12	U		0.12	U		0.12	U		0.12	U	
BROMOCHLOROMETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
BROMODICHLOROMETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
BROMOFORM		0.76	U		0.76	U		0.76	U		0.76	U	
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 09023	NSAMPLE	MSA-SW46A-061520			MSA-SW47A-061520			MSA-SW48A-061520			MSA-SW49A--061520		
SDG: 240-131928-1	LAB_ID	240-131928-30			240-131928-31			240-131928-32			240-131928-33		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
1,1,1-TRICHLOROETHANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,1,2,2-TETRACHLOROETHANE		0.13	U		0.13	U		0.13	U		0.13	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
1,1-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
1,1-DICHLOROPROPENE		0.14	U		0.14	U		0.14	U		0.14	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.24	U		0.24	U		0.24	U		0.24	U	
1,2,3-TRIMETHYLBENZENE		0.14	UJ	C	0.14	UJ	C	0.14	UJ	C	0.14	UJ	C
1,2,4-TRICHLOROBENZENE		0.26	U		0.26	U		0.26	U		0.26	U	
1,2,4-TRIMETHYLBENZENE		0.07	U		0.07	U		0.07	U		0.07	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.12	U		0.12	U		0.12	U		0.12	U	
1,2-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.16	U		0.16	U		0.16	U		0.16	U	
2,2-DICHLOROPROPANE		0.31	UJ	C	0.31	UJ	C	0.31	UJ	C	0.31	UJ	C
2-BUTANONE		1.2	UJ	C	1.2	UJ	C	1.2	UJ	C	1.2	UJ	C
2-CHLOROETHYL VINYL ETHER		0.26	UR	M	0.26	UR	M	0.26	UR	M	0.26	UR	M
2-CHLOROTOLUENE		0.15	U		0.15	U		0.15	U		0.15	U	
2-HEXANONE		0.54	U		0.54	U		0.54	U		0.54	U	
4-CHLOROTOLUENE		0.09	U		0.09	U		0.09	U		0.09	U	
4-ISOPROPYLTOLUENE		0.13	U		0.13	U		0.13	U		0.13	U	
4-METHYL-2-PENTANONE		0.42	U		0.42	U		0.42	U		0.42	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	UJ	C
BENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
BROMOBENZENE		0.12	U		0.12	U		0.12	U		0.12	U	
BROMOCHLOROMETHANE		0.14	U		0.14	U		0.14	U		0.14	U	
BROMODICHLOROMETHANE		0.17	U		0.17	U		0.17	U		0.17	U	
BROMOFORM		0.76	U		0.76	U		0.76	U		0.76	U	
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 09023	NSAMPLE	TB--061520		
SDG: 240-131928-1	LAB_ID	240-131928-29		
FRACTION: OV	SAMP_DATE	6/15/2020		
MEDIA: WATER	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.14	U	
1,1,1-TRICHLOROETHANE		0.24	U	
1,1,2,2-TETRACHLOROETHANE		0.13	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U	
1,1-DICHLOROETHANE		0.17	U	
1,1-DICHLOROETHENE		0.19	U	
1,1-DICHLOROPROPENE		0.14	U	
1,2,3-TRICHLOROBENZENE		0.54	U	
1,2,3-TRICHLOROPROPANE		0.24	U	
1,2,3-TRIMETHYLBENZENE		0.14	UJ	C
1,2,4-TRICHLOROBENZENE		0.26	U	
1,2,4-TRIMETHYLBENZENE		0.07	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U	
1,2-DIBROMOETHANE		0.12	U	
1,2-DICHLOROBENZENE		0.15	U	
1,2-DICHLOROETHANE		0.21	U	
1,2-DICHLOROPROPANE		0.15	U	
1,3-DICHLOROBENZENE		0.15	U	
1,3-DICHLOROPROPANE		0.21	U	
1,4-DICHLOROBENZENE		0.16	U	
2,2-DICHLOROPROPANE		0.31	UJ	C
2-BUTANONE		1.2	UJ	C
2-CHLOROETHYL VINYL ETHER		0.26	UR	M
2-CHLOROTOLUENE		0.15	U	
2-HEXANONE		0.54	U	
4-CHLOROTOLUENE		0.09	U	
4-ISOPROPYLTOLUENE		0.13	U	
4-METHYL-2-PENTANONE		0.42	U	
ACETONE		5.4	UJ	C
BENZENE		0.13	U	
BROMOBENZENE		0.12	U	
BROMOCHLOROMETHANE		0.14	U	
BROMODICHLOROMETHANE		0.17	U	
BROMOFORM		0.76	U	
BROMOMETHANE		0.42	UJ	C

PROJ_NO: 09023	NSAMPLE	EL-SW01A-061520			EL-SW01B-061520			EL-SW01C-061520			EL-SW01D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-34			240-131928-35			240-131928-36			240-131928-37		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.28	U		0.28	U		0.28	U		0.28	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.13	U		0.13	U		0.13	U		0.13	U	
CHLOROMETHANE		0.2	U		0.2	U		0.2	U		0.2	U	
CIS-1,2-DICHLOROETHENE		0.16	U		0.16	U		0.16	U		0.16	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.09	U		0.09	U		0.09	U		0.09	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	UJ	C	0.17	UJ	C	0.17	UJ	C	0.17	UJ	C
ETHYL TERT-BUTYL ETHER		0.15	U		0.15	U		0.15	U		0.15	U	
ETHYLBENZENE		0.11	U		0.11	U		0.11	U		0.11	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.09	U		0.09	U		0.09	U		0.09	U	
M+P-XYLENES		0.08	U		0.08	U		0.08	U		0.08	U	
METHYL TERT-BUTYL ETHER		0.07	U		0.07	U		0.07	U		0.07	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.32	U		0.32	U		0.32	U		0.32	U	
N-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
N-PROPYLBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
O-XYLENE		0.09	U		0.09	U		0.09	U		0.09	U	
SEC-BUTYLBENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
STYRENE		0.1	U		0.1	U		0.1	U		0.1	U	
TERT-AMYL METHYL ETHER		0.11	UJ	C	0.11	UJ	C	0.11	UJ	C	0.11	UJ	C
TERT-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
TERTIARY-BUTYL ALCOHOL		1.7	UJ	C	1.7	UJ	C	1.7	UJ	C	1.7	UJ	C
TETRACHLOROETHENE		0.15	U		0.15	U		0.15	U		0.15	U	
TOLUENE		0.14	U		0.14	U		0.14	U		0.14	U	
TOTAL XYLENES		0.15	U		0.15	U		0.15	U		0.15	U	
TRANS-1,2-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.1	U		0.1	U		0.1	U		0.1	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW37A-061520			MSA-SW37B-061520			MSA-SW37C-061520			MSA-SW37D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-1			240-131928-2			240-131928-3			240-131928-4		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.28	U		0.28	U		0.28	U		0.28	U	
CARBON TETRACHLORIDE		0.26	UJ	C	0.26	UJ	C	0.26	UJ	C	0.26	UJ	C
CHLOROBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.13	U		0.13	U		0.13	U		0.13	U	
CHLOROMETHANE		0.2	U		0.2	U		0.2	U		0.2	U	
CIS-1,2-DICHLOROETHENE		0.16	U		0.16	U		0.16	U		0.16	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.09	UJ	C	0.09	UJ	C	0.09	UJ	C	0.09	UJ	C
DICHLORODIFLUOROMETHANE		0.35	UJ	C	0.35	UJ	C	0.35	UJ	C	0.35	UJ	C
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.15	U		0.15	U		0.15	U		0.15	U	
ETHYLBENZENE		0.11	U		0.11	U		0.11	U		0.11	U	
HEXACHLOROBUTADIENE		0.83	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
ISOPROPYLBENZENE		0.09	U		0.09	U		0.09	U		0.09	U	
M+P-XYLENES		0.08	U		0.08	U		0.08	U		0.08	U	
METHYL TERT-BUTYL ETHER		0.07	U		0.07	U		0.07	U		0.07	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.32	U		0.32	U		0.32	U		0.32	U	
N-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
N-PROPYLBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
O-XYLENE		0.09	U		0.09	U		0.09	U		0.09	U	
SEC-BUTYLBENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
STYRENE		0.1	U		0.1	U		0.1	U		0.1	U	
TERT-AMYL METHYL ETHER		0.11	U		0.11	U		0.11	U		0.11	U	
TERT-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
TERTIARY-BUTYL ALCOHOL		1.7	UJ	C	1.7	UJ	C	1.7	UJ	C	1.7	UJ	C
TETRACHLOROETHENE		0.15	U		0.15	U		0.15	U		0.15	U	
TOLUENE		0.14	U		0.14	U		0.14	U		0.14	U	
TOTAL XYLENES		0.15	U		0.15	U		0.15	U		0.15	U	
TRANS-1,2-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.1	U		0.1	U		0.1	U		0.1	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW38A-061520			MSA-SW38B-061520			MSA-SW38C-061520			MSA-SW38D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-5			240-131928-6			240-131928-7			240-131928-8		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.28	U		0.28	U		0.28	U		0.28	U	
CARBON TETRACHLORIDE		0.26	UJ	C	0.26	UJ	C	0.26	UJ	C	0.26	UJ	C
CHLOROBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.13	U		0.13	U		0.13	U		0.13	U	
CHLOROMETHANE		0.2	U		0.2	U		0.2	U		0.2	U	
CIS-1,2-DICHLOROETHENE		0.16	U		0.16	U		0.16	U		0.16	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.09	UJ	C	0.09	UJ	C	0.09	UJ	C	0.09	UJ	C
DICHLORODIFLUOROMETHANE		0.35	UJ	C	0.35	UJ	C	0.35	UJ	C	0.35	UJ	C
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.15	U		0.15	U		0.15	U		0.15	U	
ETHYLBENZENE		0.11	U		0.11	U		0.11	U		0.11	U	
HEXACHLOROBUTADIENE		0.83	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
ISOPROPYLBENZENE		0.09	U		0.09	U		0.09	U		0.09	U	
M+P-XYLENES		0.08	U		0.08	U		0.08	U		0.08	U	
METHYL TERT-BUTYL ETHER		0.07	U		0.07	U		0.07	U		0.07	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.32	U		0.32	U		0.32	U		0.32	U	
N-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
N-PROPYLBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
O-XYLENE		0.09	U		0.09	U		0.09	U		0.09	U	
SEC-BUTYLBENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
STYRENE		0.1	U		0.1	U		0.1	U		0.1	U	
TERT-AMYL METHYL ETHER		0.11	U		0.11	U		0.11	U		0.11	U	
TERT-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
TERTIARY-BUTYL ALCOHOL		1.7	UJ	C	1.7	UJ	C	1.7	UJ	C	1.7	UJ	C
TETRACHLOROETHENE		0.15	U		0.15	U		0.15	U		0.15	U	
TOLUENE		0.14	U		0.14	U		0.14	U		0.14	U	
TOTAL XYLENES		0.15	U		0.15	U		0.15	U		0.15	U	
TRANS-1,2-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.1	U		0.1	U		0.1	U		0.1	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW40A-061520			MSA-SW40B-061520			MSA-SW40C-061520			MSA-SW40D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-9			240-131928-10			240-131928-11			240-131928-12		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.28	U		0.28	U		0.28	U		0.28	U	
CARBON TETRACHLORIDE		0.26	UJ	C	0.26	UJ	C	0.26	UJ	C	0.26	U	
CHLOROBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.13	U		0.13	U		0.13	U		0.13	U	
CHLOROMETHANE		0.2	U		0.2	U		0.2	U		0.2	UJ	C
CIS-1,2-DICHLOROETHENE		0.16	U		0.16	U		0.16	U		0.16	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.09	UJ	C	0.09	UJ	C	0.09	UJ	C	0.09	U	
DICHLORODIFLUOROMETHANE		0.35	UJ	C	0.35	UJ	C	0.35	UJ	C	0.35	UJ	C
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.15	U		0.15	U		0.15	U		0.15	U	
ETHYLBENZENE		0.11	U		0.11	U		0.11	U		0.11	U	
HEXACHLOROBUTADIENE		0.83	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
ISOPROPYLBENZENE		0.09	U		0.09	U		0.09	U		0.09	U	
M+P-XYLENES		0.08	U		0.08	U		0.08	U		0.08	U	
METHYL TERT-BUTYL ETHER		0.07	U		0.07	U		0.07	U		0.07	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.32	U		0.32	U		0.32	U		0.32	U	
N-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
N-PROPYLBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
O-XYLENE		0.09	U		0.09	U		0.09	U		0.09	U	
SEC-BUTYLBENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
STYRENE		0.1	U		0.1	U		0.1	U		0.1	U	
TERT-AMYL METHYL ETHER		0.11	U		0.11	U		0.11	U		0.11	U	
TERT-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
TERTIARY-BUTYL ALCOHOL		1.7	UJ	C	1.7	UJ	C	1.7	UJ	C	1.7	U	
TETRACHLOROETHENE		0.15	U		0.15	U		0.15	U		0.15	U	
TOLUENE		0.14	U		0.14	U		0.14	U		0.14	U	
TOTAL XYLENES		0.15	U		0.15	U		0.15	U		0.15	U	
TRANS-1,2-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.1	U		0.1	U		0.1	U		0.1	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW41A-061520			MSA-SW41B-061520			MSA-SW41C-061520			MSA-SW41D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-13			240-131928-14			240-131928-15			240-131928-16		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.28	U		0.28	U		0.28	U		0.28	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.13	U		0.13	U		0.13	U		0.13	U	
CHLOROMETHANE		0.2	UJ	C	0.2	UJ	C	0.2	UJ	C	0.2	UJ	C
CIS-1,2-DICHLOROETHENE		0.16	U		0.16	U		0.16	U		0.16	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.09	U		0.09	U		0.09	U		0.09	U	
DICHLORODIFLUOROMETHANE		0.35	UJ	C	0.35	UJ	C	0.35	UJ	C	0.35	UJ	C
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.15	U		0.15	U		0.15	U		0.15	U	
ETHYLBENZENE		0.11	U		0.11	U		0.11	U		0.11	U	
HEXACHLOROBUTADIENE		0.83	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
ISOPROPYLBENZENE		0.09	U		0.09	U		0.09	U		0.09	U	
M+P-XYLENES		0.08	U		0.08	U		0.08	U		0.08	U	
METHYL TERT-BUTYL ETHER		0.07	U		0.07	U		0.07	U		0.07	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.32	U		0.32	U		0.32	U		0.32	U	
N-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
N-PROPYLBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
O-XYLENE		0.09	U		0.09	U		0.09	U		0.09	U	
SEC-BUTYLBENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
STYRENE		0.1	U		0.1	U		0.1	U		0.1	U	
TERT-AMYL METHYL ETHER		0.11	U		0.11	U		0.11	U		0.11	U	
TERT-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
TERTIARY-BUTYL ALCOHOL		1.7	U		1.7	U		1.7	U		1.7	U	
TETRACHLOROETHENE		0.15	U		0.15	U		0.15	U		0.15	U	
TOLUENE		0.14	U		0.14	U		0.14	U		0.14	U	
TOTAL XYLENES		0.15	U		0.15	U		0.15	U		0.15	U	
TRANS-1,2-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.1	U		0.1	U		0.1	U		0.1	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW42A-061520			MSA-SW42B-061520			MSA-SW42C-061520			MSA-SW42D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-17			240-131928-18			240-131928-19			240-131928-20		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.28	U		0.28	U		0.28	U		0.28	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.13	U		0.13	U		0.13	U		0.13	U	
CHLOROMETHANE		0.2	U		0.2	U		0.2	U		0.2	U	
CIS-1,2-DICHLOROETHENE		0.16	U		0.16	U		0.16	U		0.16	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.09	UJ	C	0.09	U		0.09	U		0.09	U	
DICHLORODIFLUOROMETHANE		0.35	UJ	C	0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	UJ	C	0.17	UJ	C	0.17	UJ	C
ETHYL TERT-BUTYL ETHER		0.15	U		0.15	U		0.15	U		0.15	U	
ETHYLBENZENE		0.11	U		0.11	U		0.11	U		0.11	U	
HEXACHLOROBUTADIENE		0.83	UJ	C	0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.09	U		0.09	U		0.09	U		0.09	U	
M+P-XYLENES		0.08	U		0.08	U		0.08	U		0.08	U	
METHYL TERT-BUTYL ETHER		0.07	U		0.07	U		0.07	U		0.07	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.32	U		0.32	U		0.32	U		0.32	U	
N-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
N-PROPYLBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
O-XYLENE		0.09	U		0.09	U		0.09	U		0.09	U	
SEC-BUTYLBENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
STYRENE		0.1	U		0.1	U		0.1	U		0.1	U	
TERT-AMYL METHYL ETHER		0.11	U		0.11	UJ	C	0.11	UJ	C	0.11	UJ	C
TERT-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
TERTIARY-BUTYL ALCOHOL		1.7	UJ	C	1.7	UJ	C	1.7	UJ	C	1.7	UJ	C
TETRACHLOROETHENE		0.15	U		0.15	U		0.15	U		0.15	U	
TOLUENE		0.14	U		0.14	U		0.14	U		0.14	U	
TOTAL XYLENES		0.15	U		0.15	U		0.15	U		0.15	U	
TRANS-1,2-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.1	U		0.1	U		0.1	U		0.1	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW43A-061520			MSA-SW43B--061520			MSA-SW43C-061520			MSA-SW43D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-21			240-131928-22			240-131928-23			240-131928-24		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.28	U		0.28	U		0.28	U		0.28	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.13	U		0.13	U		0.13	U		0.13	U	
CHLOROMETHANE		0.2	U		0.2	U		0.2	U		0.2	U	
CIS-1,2-DICHLOROETHENE		0.16	U		0.16	U		0.16	U		0.16	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.09	U		0.09	U		0.09	U		0.09	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	UJ	C	0.17	UJ	C	0.17	UJ	C	0.17	UJ	C
ETHYL TERT-BUTYL ETHER		0.15	U		0.15	U		0.15	U		0.15	U	
ETHYLBENZENE		0.11	U		0.11	U		0.11	U		0.11	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.09	U		0.09	U		0.09	U		0.09	U	
M+P-XYLENES		0.08	U		0.08	U		0.08	U		0.08	U	
METHYL TERT-BUTYL ETHER		0.07	U		0.07	U		0.07	U		0.07	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.32	U		0.32	U		0.32	U		0.32	U	
N-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
N-PROPYLBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
O-XYLENE		0.09	U		0.09	U		0.09	U		0.09	U	
SEC-BUTYLBENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
STYRENE		0.1	U		0.1	U		0.1	U		0.1	U	
TERT-AMYL METHYL ETHER		0.11	UJ	C	0.11	UJ	C	0.11	UJ	C	0.11	UJ	C
TERT-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
TERTIARY-BUTYL ALCOHOL		1.7	UJ	C	1.7	UJ	C	1.7	UJ	C	1.7	UJ	C
TETRACHLOROETHENE		0.15	U		0.15	U		0.15	U		0.15	U	
TOLUENE		0.14	U		0.14	U		0.14	U		0.14	U	
TOTAL XYLENES		0.15	U		0.15	U		0.15	U		0.15	U	
TRANS-1,2-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.1	U		0.1	U		0.1	U		0.1	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW44A-061520			MSA-SW44B-061520			MSA-SW44C-061520			MSA-SW44D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-25			240-131928-26			240-131928-27			240-131928-28		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.28	U		0.28	U		0.28	U		0.28	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.13	U		0.13	U		0.13	U		0.13	U	
CHLOROMETHANE		0.2	U		0.2	U		0.2	U		0.2	U	
CIS-1,2-DICHLOROETHENE		0.16	U		0.16	U		0.16	U		0.16	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.09	U		0.09	U		0.09	U		0.09	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	UJ	C	0.17	UJ	C	0.17	UJ	C	0.17	UJ	C
ETHYL TERT-BUTYL ETHER		0.15	U		0.15	U		0.15	U		0.15	U	
ETHYLBENZENE		0.11	U		0.11	U		0.11	U		0.11	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.09	U		0.09	U		0.09	U		0.09	U	
M+P-XYLENES		0.08	U		0.08	U		0.08	U		0.08	U	
METHYL TERT-BUTYL ETHER		0.07	U		0.07	U		0.07	U		0.07	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.32	U		0.32	U		0.32	U		0.32	U	
N-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
N-PROPYLBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
O-XYLENE		0.09	U		0.09	U		0.09	U		0.09	U	
SEC-BUTYLBENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
STYRENE		0.1	U		0.1	U		0.1	U		0.1	U	
TERT-AMYL METHYL ETHER		0.11	UJ	C	0.11	UJ	C	0.11	UJ	C	0.11	UJ	C
TERT-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
TERTIARY-BUTYL ALCOHOL		1.7	UJ	C	1.7	UJ	C	1.7	UJ	C	1.7	UJ	C
TETRACHLOROETHENE		0.15	U		0.15	U		0.15	U		0.15	U	
TOLUENE		0.14	U		0.14	U		0.14	U		0.14	U	
TOTAL XYLENES		0.15	U		0.15	U		0.15	U		0.15	U	
TRANS-1,2-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.1	U		0.1	U		0.1	U		0.1	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW46A-061520			MSA-SW47A-061520			MSA-SW48A-061520			MSA-SW49A--061520		
SDG: 240-131928-1	LAB_ID	240-131928-30			240-131928-31			240-131928-32			240-131928-33		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.28	U		0.28	U		0.28	U		0.28	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.13	U		0.13	U		0.13	U		0.13	U	
CHLOROMETHANE		0.2	U		0.2	U		0.2	U		0.2	U	
CIS-1,2-DICHLOROETHENE		0.16	U		0.16	U		0.16	U		0.16	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.09	U		0.09	U		0.09	U		0.09	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	UJ	C	0.17	UJ	C	0.17	UJ	C	0.17	UJ	C
ETHYL TERT-BUTYL ETHER		0.15	U		0.15	U		0.15	U		0.15	U	
ETHYLBENZENE		0.11	U		0.11	U		0.11	U		0.11	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.09	U		0.09	U		0.09	U		0.09	U	
M+P-XYLENES		0.08	U		0.08	U		0.08	U		0.08	U	
METHYL TERT-BUTYL ETHER		0.07	U		0.07	U		0.07	U		0.07	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.32	U		0.32	U		0.32	U		0.32	U	
N-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
N-PROPYLBENZENE		0.15	U		0.15	U		0.15	U		0.15	U	
O-XYLENE		0.09	U		0.09	U		0.09	U		0.09	U	
SEC-BUTYLBENZENE		0.13	U		0.13	U		0.13	U		0.13	U	
STYRENE		0.1	U		0.1	U		0.1	U		0.1	U	
TERT-AMYL METHYL ETHER		0.11	UJ	C	0.11	UJ	C	0.11	UJ	C	0.11	UJ	C
TERT-BUTYLBENZENE		0.14	U		0.14	U		0.14	U		0.14	U	
TERTIARY-BUTYL ALCOHOL		1.7	UJ	C	1.7	UJ	C	1.7	UJ	C	1.7	UJ	C
TETRACHLOROETHENE		0.15	U		0.15	U		0.15	U		0.15	U	
TOLUENE		0.14	U		0.14	U		0.14	U		0.14	U	
TOTAL XYLENES		0.15	U		0.15	U		0.15	U		0.15	U	
TRANS-1,2-DICHLOROETHENE		0.19	U		0.19	U		0.19	U		0.19	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.1	U		0.1	U		0.1	U		0.1	U	

PROJ_NO: 09023	NSAMPLE	TB--061520		
SDG: 240-131928-1	LAB_ID	240-131928-29		
FRACTION: OV	SAMP_DATE	6/15/2020		
MEDIA: WATER	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
CARBON DISULFIDE		0.28	U	
CARBON TETRACHLORIDE		0.26	U	
CHLOROBENZENE		0.14	U	
CHLORODIBROMOMETHANE		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q
CHLOROETHANE		0.83	U	
CHLOROFORM		0.13	U	
CHLOROMETHANE		0.2	U	
CIS-1,2-DICHLOROETHENE		0.16	U	
CIS-1,3-DICHLOROPROPENE		0.61	U	
DIBROMOMETHANE		0.09	U	
DICHLORODIFLUOROMETHANE		0.35	U	
DIISOPROPYL ETHER		0.17	UJ	C
ETHYL TERT-BUTYL ETHER		0.15	U	
ETHYLBENZENE		0.11	U	
HEXACHLOROBUTADIENE		0.83	U	
ISOPROPYLBENZENE		0.09	U	
M+P-XYLENES		0.08	U	
METHYL TERT-BUTYL ETHER		0.07	U	
METHYLENE CHLORIDE		2.6	U	
NAPHTHALENE		0.32	U	
N-BUTYLBENZENE		0.14	U	
N-PROPYLBENZENE		0.15	U	
O-XYLENE		0.09	U	
SEC-BUTYLBENZENE		0.13	U	
STYRENE		0.1	U	
TERT-AMYL METHYL ETHER		0.11	UJ	C
TERT-BUTYLBENZENE		0.14	U	
TERTIARY-BUTYL ALCOHOL		1.7	UJ	C
TETRACHLOROETHENE		0.15	U	
TOLUENE		0.14	U	
TOTAL XYLENES		0.15	U	
TRANS-1,2-DICHLOROETHENE		0.19	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U	
TRICHLOROETHENE		0.1	U	

PROJ_NO: 09023	NSAMPLE	EL-SW01A-061520			EL-SW01B-061520			EL-SW01C-061520			EL-SW01D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-34			240-131928-35			240-131928-36			240-131928-37		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.19	UJ	C	0.19	UJ	C	0.19	UJ	C	0.19	UJ	C
VINYL CHLORIDE		0.2	U		0.2	U		0.2	U		0.2	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW37A-061520			MSA-SW37B-061520			MSA-SW37C-061520			MSA-SW37D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-1			240-131928-2			240-131928-3			240-131928-4		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	UJ	C	0.45	UJ	C	0.45	UJ	C	0.45	UJ	C
VINYL ACETATE		0.19	U		0.19	U		0.19	U		0.19	U	
VINYL CHLORIDE		0.2	U		0.2	U		0.2	U		0.2	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW38A-061520			MSA-SW38B-061520			MSA-SW38C-061520			MSA-SW38D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-5			240-131928-6			240-131928-7			240-131928-8		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	UJ	C	0.45	UJ	C	0.45	UJ	C	0.45	UJ	C
VINYL ACETATE		0.19	U		0.19	U		0.19	U		0.19	U	
VINYL CHLORIDE		0.2	U		0.2	U		0.2	U		0.2	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW40A-061520			MSA-SW40B-061520			MSA-SW40C-061520			MSA-SW40D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-9			240-131928-10			240-131928-11			240-131928-12		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	UJ	C	0.45	UJ	C	0.45	UJ	C	0.45	U	
VINYL ACETATE		0.19	U		0.19	U		0.19	U		0.19	U	
VINYL CHLORIDE		0.2	U		0.2	U		0.2	U		0.2	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW41A-061520			MSA-SW41B-061520			MSA-SW41C-061520			MSA-SW41D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-13			240-131928-14			240-131928-15			240-131928-16		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.19	U		0.19	U		0.19	U		0.19	U	
VINYL CHLORIDE		0.2	U		0.2	U		0.2	U		0.2	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW42A-061520			MSA-SW42B-061520			MSA-SW42C-061520			MSA-SW42D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-17			240-131928-18			240-131928-19			240-131928-20		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.19	U		0.19	UJ	C	0.19	UJ	C	0.19	UJ	C
VINYL CHLORIDE		0.2	U		0.2	U		0.2	U		0.2	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW43A-061520			MSA-SW43B--061520			MSA-SW43C-061520			MSA-SW43D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-21			240-131928-22			240-131928-23			240-131928-24		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.19	UJ	C	0.19	UJ	C	0.19	UJ	C	0.19	UJ	C
VINYL CHLORIDE		0.2	U		0.2	U		0.2	U		0.2	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW44A-061520			MSA-SW44B-061520			MSA-SW44C-061520			MSA-SW44D-061520		
SDG: 240-131928-1	LAB_ID	240-131928-25			240-131928-26			240-131928-27			240-131928-28		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.19	UJ	C	0.19	UJ	C	0.19	UJ	C	0.19	UJ	C
VINYL CHLORIDE		0.2	U		0.2	U		0.2	U		0.2	U	

PROJ_NO: 09023	NSAMPLE	MSA-SW46A-061520			MSA-SW47A-061520			MSA-SW48A-061520			MSA-SW49A--061520		
SDG: 240-131928-1	LAB_ID	240-131928-30			240-131928-31			240-131928-32			240-131928-33		
FRACTION: OV	SAMP_DATE	6/15/2020			6/15/2020			6/15/2020			6/15/2020		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.19	UJ	C	0.19	UJ	C	0.19	UJ	C	0.19	UJ	C
VINYL CHLORIDE		0.2	U		0.2	U		0.2	U		0.2	U	

PROJ_NO: 09023	NSAMPLE	TB--061520		
SDG: 240-131928-1	LAB_ID	240-131928-29		
FRACTION: OV	SAMP_DATE	6/15/2020		
MEDIA: WATER	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U	
VINYL ACETATE		0.19	UJ	C
VINYL CHLORIDE		0.2	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01A-061520 Lab Sample ID: 240-131928-34

Matrix: Water Lab File ID: UXM29301.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:28

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:30

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01A-061520 Lab Sample ID: 240-131928-34

Matrix: Water Lab File ID: UXM29301.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:28

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:30

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01A-061520 Lab Sample ID: 240-131928-34

Matrix: Water Lab File ID: UXM29301.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:28

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:30

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	108		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01A-061520 Lab Sample ID: 240-131928-34

Matrix: Water Lab File ID: UXM29301.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:28

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:30

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01A-061520 Lab Sample ID: 240-131928-34

Matrix: Water Lab File ID: UXM29301.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:28

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:30

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01B-061520 Lab Sample ID: 240-131928-35

Matrix: Water Lab File ID: UXM29302.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:31

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:55

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01B-061520 Lab Sample ID: 240-131928-35

Matrix: Water Lab File ID: UXM29302.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:31

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:55

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01B-061520 Lab Sample ID: 240-131928-35

Matrix: Water Lab File ID: UXM29302.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:31

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:55

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		75-130
460-00-4	4-Bromofluorobenzene (Surr)	111		47-134
2037-26-5	Toluene-d8 (Surr)	107		69-122
1868-53-7	Dibromofluoromethane (Surr)	110		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01B-061520 Lab Sample ID: 240-131928-35

Matrix: Water Lab File ID: UXM29302.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:31

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:55

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01B-061520 Lab Sample ID: 240-131928-35

Matrix: Water Lab File ID: UXM29302.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:31

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:55

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01C-061520 Lab Sample ID: 240-131928-36

Matrix: Water Lab File ID: UXM29303.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:34

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01C-061520 Lab Sample ID: 240-131928-36

Matrix: Water Lab File ID: UXM29303.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:34

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01C-061520 Lab Sample ID: 240-131928-36

Matrix: Water Lab File ID: UXM29303.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:34

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	105		69-122
1868-53-7	Dibromofluoromethane (Surr)	111		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01C-061520 Lab Sample ID: 240-131928-36

Matrix: Water Lab File ID: UXM29303.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:34

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:19

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01C-061520 Lab Sample ID: 240-131928-36

Matrix: Water Lab File ID: UXM29303.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:34

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01D-061520 Lab Sample ID: 240-131928-37

Matrix: Water Lab File ID: UXM29304.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:44

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01D-061520 Lab Sample ID: 240-131928-37

Matrix: Water Lab File ID: UXM29304.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:44

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01D-061520 Lab Sample ID: 240-131928-37

Matrix: Water Lab File ID: UXM29304.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:44

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	105		69-122
1868-53-7	Dibromofluoromethane (Surr)	108		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01D-061520 Lab Sample ID: 240-131928-37

Matrix: Water Lab File ID: UXM29304.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:44

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01D-061520 Lab Sample ID: 240-131928-37

Matrix: Water Lab File ID: UXM29304.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:44

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37A-061520 Lab Sample ID: 240-131928-1

Matrix: Water Lab File ID: U1915191.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:20

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:18

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37A-061520 Lab Sample ID: 240-131928-1

Matrix: Water Lab File ID: U1915191.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:20

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:18

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37A-061520 Lab Sample ID: 240-131928-1

Matrix: Water Lab File ID: U1915191.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:20

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:18

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
460-00-4	4-Bromofluorobenzene (Surr)	93		47-134
2037-26-5	Toluene-d8 (Surr)	103		69-122
1868-53-7	Dibromofluoromethane (Surr)	101		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37A-061520 Lab Sample ID: 240-131928-1

Matrix: Water Lab File ID: U1915191.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:20

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:18

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37A-061520 Lab Sample ID: 240-131928-1

Matrix: Water Lab File ID: U1915191.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:20

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:18

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37B-061520 Lab Sample ID: 240-131928-2

Matrix: Water Lab File ID: U1915192.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:23

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37B-061520 Lab Sample ID: 240-131928-2

Matrix: Water Lab File ID: U1915192.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:23

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37B-061520 Lab Sample ID: 240-131928-2

Matrix: Water Lab File ID: U1915192.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:23

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
460-00-4	4-Bromofluorobenzene (Surr)	92		47-134
2037-26-5	Toluene-d8 (Surr)	101		69-122
1868-53-7	Dibromofluoromethane (Surr)	99		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37B-061520 Lab Sample ID: 240-131928-2

Matrix: Water Lab File ID: U1915192.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:23

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:40

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37B-061520 Lab Sample ID: 240-131928-2

Matrix: Water Lab File ID: U1915192.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:23

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37C-061520 Lab Sample ID: 240-131928-3

Matrix: Water Lab File ID: U1915193.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:03

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37C-061520 Lab Sample ID: 240-131928-3

Matrix: Water Lab File ID: U1915193.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:03

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37C-061520 Lab Sample ID: 240-131928-3

Matrix: Water Lab File ID: U1915193.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:03

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
460-00-4	4-Bromofluorobenzene (Surr)	92		47-134
2037-26-5	Toluene-d8 (Surr)	104		69-122
1868-53-7	Dibromofluoromethane (Surr)	100		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37C-061520 Lab Sample ID: 240-131928-3

Matrix: Water Lab File ID: U1915193.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:03

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37C-061520 Lab Sample ID: 240-131928-3

Matrix: Water Lab File ID: U1915193.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:03

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37D-061520 Lab Sample ID: 240-131928-4

Matrix: Water Lab File ID: U1915194.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:30

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:25

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37D-061520 Lab Sample ID: 240-131928-4

Matrix: Water Lab File ID: U1915194.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:30

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:25

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37D-061520 Lab Sample ID: 240-131928-4

Matrix: Water Lab File ID: U1915194.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:30

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:25

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
460-00-4	4-Bromofluorobenzene (Surr)	95		47-134
2037-26-5	Toluene-d8 (Surr)	104		69-122
1868-53-7	Dibromofluoromethane (Surr)	100		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37D-061520 Lab Sample ID: 240-131928-4

Matrix: Water Lab File ID: U1915194.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:30

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:25

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37D-061520 Lab Sample ID: 240-131928-4

Matrix: Water Lab File ID: U1915194.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:30

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:25

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38A-061520 Lab Sample ID: 240-131928-5

Matrix: Water Lab File ID: U1915195.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38A-061520 Lab Sample ID: 240-131928-5

Matrix: Water Lab File ID: U1915195.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38A-061520 Lab Sample ID: 240-131928-5

Matrix: Water Lab File ID: U1915195.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		75-130
460-00-4	4-Bromofluorobenzene (Surr)	92		47-134
2037-26-5	Toluene-d8 (Surr)	101		69-122
1868-53-7	Dibromofluoromethane (Surr)	100		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38A-061520 Lab Sample ID: 240-131928-5

Matrix: Water Lab File ID: U1915195.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38A-061520 Lab Sample ID: 240-131928-5

Matrix: Water Lab File ID: U1915195.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38B-061520 Lab Sample ID: 240-131928-6

Matrix: Water Lab File ID: U1915196.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:39

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:10

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38B-061520 Lab Sample ID: 240-131928-6

Matrix: Water Lab File ID: U1915196.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:39

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:10

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38B-061520 Lab Sample ID: 240-131928-6

Matrix: Water Lab File ID: U1915196.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:39

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:10

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		75-130
460-00-4	4-Bromofluorobenzene (Surr)	96		47-134
2037-26-5	Toluene-d8 (Surr)	104		69-122
1868-53-7	Dibromofluoromethane (Surr)	103		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38B-061520 Lab Sample ID: 240-131928-6

Matrix: Water Lab File ID: U1915196.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:39

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:10

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38B-061520 Lab Sample ID: 240-131928-6

Matrix: Water Lab File ID: U1915196.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:39

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:10

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38C-061520 Lab Sample ID: 240-131928-7

Matrix: Water Lab File ID: U1915197.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:43

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:33

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38C-061520 Lab Sample ID: 240-131928-7

Matrix: Water Lab File ID: U1915197.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:43

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:33

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38C-061520 Lab Sample ID: 240-131928-7

Matrix: Water Lab File ID: U1915197.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:43

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:33

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
460-00-4	4-Bromofluorobenzene (Surr)	91		47-134
2037-26-5	Toluene-d8 (Surr)	100		69-122
1868-53-7	Dibromofluoromethane (Surr)	100		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38C-061520 Lab Sample ID: 240-131928-7

Matrix: Water Lab File ID: U1915197.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:43

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:33

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38C-061520 Lab Sample ID: 240-131928-7

Matrix: Water Lab File ID: U1915197.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:43

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:33

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38D-061520 Lab Sample ID: 240-131928-8

Matrix: Water Lab File ID: U1915198.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:45

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:55

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38D-061520 Lab Sample ID: 240-131928-8

Matrix: Water Lab File ID: U1915198.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:45

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:55

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38D-061520 Lab Sample ID: 240-131928-8

Matrix: Water Lab File ID: U1915198.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:45

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:55

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
460-00-4	4-Bromofluorobenzene (Surr)	91		47-134
2037-26-5	Toluene-d8 (Surr)	102		69-122
1868-53-7	Dibromofluoromethane (Surr)	99		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38D-061520 Lab Sample ID: 240-131928-8

Matrix: Water Lab File ID: U1915198.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:45

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:55

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38D-061520 Lab Sample ID: 240-131928-8

Matrix: Water Lab File ID: U1915198.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:45

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:55

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40A-061520 Lab Sample ID: 240-131928-9

Matrix: Water Lab File ID: U1915199.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:52

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:18

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40A-061520 Lab Sample ID: 240-131928-9

Matrix: Water Lab File ID: U1915199.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:52

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:18

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40A-061520 Lab Sample ID: 240-131928-9

Matrix: Water Lab File ID: U1915199.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:52

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:18

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
460-00-4	4-Bromofluorobenzene (Surr)	93		47-134
2037-26-5	Toluene-d8 (Surr)	101		69-122
1868-53-7	Dibromofluoromethane (Surr)	102		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40A-061520 Lab Sample ID: 240-131928-9

Matrix: Water Lab File ID: U1915199.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:52

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:18

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40A-061520 Lab Sample ID: 240-131928-9

Matrix: Water Lab File ID: U1915199.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:52

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:18

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40B-061520 Lab Sample ID: 240-131928-10

Matrix: Water Lab File ID: U1915200.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:55

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40B-061520 Lab Sample ID: 240-131928-10

Matrix: Water Lab File ID: U1915200.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:55

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40B-061520 Lab Sample ID: 240-131928-10

Matrix: Water Lab File ID: U1915200.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:55

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		75-130
460-00-4	4-Bromofluorobenzene (Surr)	98		47-134
2037-26-5	Toluene-d8 (Surr)	104		69-122
1868-53-7	Dibromofluoromethane (Surr)	101		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40B-061520 Lab Sample ID: 240-131928-10

Matrix: Water Lab File ID: U1915200.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:55

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:40

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40B-061520 Lab Sample ID: 240-131928-10

Matrix: Water Lab File ID: U1915200.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:55

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40C-061520 Lab Sample ID: 240-131928-11

Matrix: Water Lab File ID: U1915201.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:57

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:02

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40C-061520 Lab Sample ID: 240-131928-11

Matrix: Water Lab File ID: U1915201.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:57

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:02

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40C-061520 Lab Sample ID: 240-131928-11

Matrix: Water Lab File ID: U1915201.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:57

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:02

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
460-00-4	4-Bromofluorobenzene (Surr)	91		47-134
2037-26-5	Toluene-d8 (Surr)	103		69-122
1868-53-7	Dibromofluoromethane (Surr)	99		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40C-061520 Lab Sample ID: 240-131928-11

Matrix: Water Lab File ID: U1915201.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:57

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:02

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40C-061520 Lab Sample ID: 240-131928-11

Matrix: Water Lab File ID: U1915201.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:57

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:02

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40D-061520 Lab Sample ID: 240-131928-12

Matrix: Water Lab File ID: U1278726.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:34

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40D-061520 Lab Sample ID: 240-131928-12

Matrix: Water Lab File ID: U1278726.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:34

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40D-061520 Lab Sample ID: 240-131928-12

Matrix: Water Lab File ID: U1278726.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:34

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		75-130
460-00-4	4-Bromofluorobenzene (Surr)	86		47-134
2037-26-5	Toluene-d8 (Surr)	92		69-122
1868-53-7	Dibromofluoromethane (Surr)	90		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40D-061520 Lab Sample ID: 240-131928-12

Matrix: Water Lab File ID: U1278726.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:34

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.: 440074 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40D-061520 Lab Sample ID: 240-131928-12

Matrix: Water Lab File ID: U1278726.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:34

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41A-061520 Lab Sample ID: 240-131928-13

Matrix: Water Lab File ID: U1278727.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:20

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:56

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41A-061520 Lab Sample ID: 240-131928-13

Matrix: Water Lab File ID: U1278727.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:20

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:56

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41A-061520 Lab Sample ID: 240-131928-13

Matrix: Water Lab File ID: U1278727.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:20

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:56

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		75-130
460-00-4	4-Bromofluorobenzene (Surr)	96		47-134
2037-26-5	Toluene-d8 (Surr)	99		69-122
1868-53-7	Dibromofluoromethane (Surr)	99		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41A-061520 Lab Sample ID: 240-131928-13

Matrix: Water Lab File ID: U1278727.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:20

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:56

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.: 440074 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41A-061520 Lab Sample ID: 240-131928-13

Matrix: Water Lab File ID: U1278727.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:20

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:56

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41B-061520 Lab Sample ID: 240-131928-14

Matrix: Water Lab File ID: U1278728.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:23

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:19

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41B-061520 Lab Sample ID: 240-131928-14

Matrix: Water Lab File ID: U1278728.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:23

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:19

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41B-061520 Lab Sample ID: 240-131928-14

Matrix: Water Lab File ID: U1278728.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:23

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:19

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		75-130
460-00-4	4-Bromofluorobenzene (Surr)	88		47-134
2037-26-5	Toluene-d8 (Surr)	93		69-122
1868-53-7	Dibromofluoromethane (Surr)	92		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41B-061520 Lab Sample ID: 240-131928-14

Matrix: Water Lab File ID: U1278728.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:23

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:19

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.: 440074 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41B-061520 Lab Sample ID: 240-131928-14

Matrix: Water Lab File ID: U1278728.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:23

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:19

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41C-061520 Lab Sample ID: 240-131928-15

Matrix: Water Lab File ID: U1278729.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:41

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41C-061520 Lab Sample ID: 240-131928-15

Matrix: Water Lab File ID: U1278729.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:41

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41C-061520 Lab Sample ID: 240-131928-15

Matrix: Water Lab File ID: U1278729.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:41

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		75-130
460-00-4	4-Bromofluorobenzene (Surr)	90		47-134
2037-26-5	Toluene-d8 (Surr)	95		69-122
1868-53-7	Dibromofluoromethane (Surr)	95		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41C-061520 Lab Sample ID: 240-131928-15

Matrix: Water Lab File ID: U1278729.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:41

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.: 440074 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41C-061520 Lab Sample ID: 240-131928-15

Matrix: Water Lab File ID: U1278729.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:41

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41D-061520 Lab Sample ID: 240-131928-16

Matrix: Water Lab File ID: U1278730.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:29

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:04

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41D-061520 Lab Sample ID: 240-131928-16

Matrix: Water Lab File ID: U1278730.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:29

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:04

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41D-061520 Lab Sample ID: 240-131928-16

Matrix: Water Lab File ID: U1278730.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:29

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:04

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		75-130
460-00-4	4-Bromofluorobenzene (Surr)	96		47-134
2037-26-5	Toluene-d8 (Surr)	98		69-122
1868-53-7	Dibromofluoromethane (Surr)	93		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41D-061520 Lab Sample ID: 240-131928-16

Matrix: Water Lab File ID: U1278730.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:29

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:04

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.: 440074 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41D-061520 Lab Sample ID: 240-131928-16

Matrix: Water Lab File ID: U1278730.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:29

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:04

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42A-061520 Lab Sample ID: 240-131928-17

Matrix: Water Lab File ID: U1915225.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:06

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2020 00:39

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42A-061520 Lab Sample ID: 240-131928-17

Matrix: Water Lab File ID: U1915225.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:06

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2020 00:39

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42A-061520 Lab Sample ID: 240-131928-17

Matrix: Water Lab File ID: U1915225.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:06

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2020 00:39

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		75-130
460-00-4	4-Bromofluorobenzene (Surr)	92		47-134
2037-26-5	Toluene-d8 (Surr)	101		69-122
1868-53-7	Dibromofluoromethane (Surr)	95		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42A-061520 Lab Sample ID: 240-131928-17

Matrix: Water Lab File ID: U1915225.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:06

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2020 00:39

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.: 440294 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42A-061520 Lab Sample ID: 240-131928-17

Matrix: Water Lab File ID: U1915225.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:06

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2020 00:39

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42B-061520 Lab Sample ID: 240-131928-18

Matrix: Water Lab File ID: UXM29285.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:54

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42B-061520 Lab Sample ID: 240-131928-18

Matrix: Water Lab File ID: UXM29285.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:54

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42B-061520 Lab Sample ID: 240-131928-18

Matrix: Water Lab File ID: UXM29285.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:54

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		75-130
460-00-4	4-Bromofluorobenzene (Surr)	116		47-134
2037-26-5	Toluene-d8 (Surr)	109		69-122
1868-53-7	Dibromofluoromethane (Surr)	113		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42B-061520 Lab Sample ID: 240-131928-18

Matrix: Water Lab File ID: UXM29285.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:54

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42B-061520 Lab Sample ID: 240-131928-18

Matrix: Water Lab File ID: UXM29285.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:54

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42C-061520 Lab Sample ID: 240-131928-19

Matrix: Water Lab File ID: UXM29286.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:11

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42C-061520 Lab Sample ID: 240-131928-19

Matrix: Water Lab File ID: UXM29286.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:11

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42C-061520 Lab Sample ID: 240-131928-19

Matrix: Water Lab File ID: UXM29286.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:11

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		75-130
460-00-4	4-Bromofluorobenzene (Surr)	114		47-134
2037-26-5	Toluene-d8 (Surr)	107		69-122
1868-53-7	Dibromofluoromethane (Surr)	112		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42C-061520 Lab Sample ID: 240-131928-19

Matrix: Water Lab File ID: UXM29286.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:11

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:19

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42C-061520 Lab Sample ID: 240-131928-19

Matrix: Water Lab File ID: UXM29286.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:11

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42D-061520 Lab Sample ID: 240-131928-20

Matrix: Water Lab File ID: UXM29287.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:43

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42D-061520 Lab Sample ID: 240-131928-20

Matrix: Water Lab File ID: UXM29287.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:43

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42D-061520 Lab Sample ID: 240-131928-20

Matrix: Water Lab File ID: UXM29287.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:43

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		75-130
460-00-4	4-Bromofluorobenzene (Surr)	112		47-134
2037-26-5	Toluene-d8 (Surr)	105		69-122
1868-53-7	Dibromofluoromethane (Surr)	111		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42D-061520 Lab Sample ID: 240-131928-20

Matrix: Water Lab File ID: UXM29287.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:43

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42D-061520 Lab Sample ID: 240-131928-20

Matrix: Water Lab File ID: UXM29287.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:43

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43A-061520 Lab Sample ID: 240-131928-21

Matrix: Water Lab File ID: UXM29288.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43A-061520 Lab Sample ID: 240-131928-21

Matrix: Water Lab File ID: UXM29288.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43A-061520 Lab Sample ID: 240-131928-21

Matrix: Water Lab File ID: UXM29288.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		75-130
460-00-4	4-Bromofluorobenzene (Surr)	112		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	110		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43A-061520 Lab Sample ID: 240-131928-21

Matrix: Water Lab File ID: UXM29288.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43A-061520 Lab Sample ID: 240-131928-21

Matrix: Water Lab File ID: UXM29288.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43B--061520 Lab Sample ID: 240-131928-22

Matrix: Water Lab File ID: UXM29289.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:06

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:33

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43B--061520 Lab Sample ID: 240-131928-22

Matrix: Water Lab File ID: UXM29289.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:06

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:33

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43B--061520 Lab Sample ID: 240-131928-22

Matrix: Water Lab File ID: UXM29289.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:06

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:33

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		75-130
460-00-4	4-Bromofluorobenzene (Surr)	114		47-134
2037-26-5	Toluene-d8 (Surr)	107		69-122
1868-53-7	Dibromofluoromethane (Surr)	112		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43B--061520 Lab Sample ID: 240-131928-22

Matrix: Water Lab File ID: UXM29289.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:06

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:33

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43B--061520 Lab Sample ID: 240-131928-22

Matrix: Water Lab File ID: UXM29289.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:06

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:33

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43C-061520 Lab Sample ID: 240-131928-23

Matrix: Water Lab File ID: UXM29290.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43C-061520 Lab Sample ID: 240-131928-23

Matrix: Water Lab File ID: UXM29290.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43C-061520 Lab Sample ID: 240-131928-23

Matrix: Water Lab File ID: UXM29290.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		75-130
460-00-4	4-Bromofluorobenzene (Surr)	113		47-134
2037-26-5	Toluene-d8 (Surr)	107		69-122
1868-53-7	Dibromofluoromethane (Surr)	112		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43C-061520 Lab Sample ID: 240-131928-23

Matrix: Water Lab File ID: UXM29290.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43C-061520 Lab Sample ID: 240-131928-23

Matrix: Water Lab File ID: UXM29290.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43D-061520 Lab Sample ID: 240-131928-24

Matrix: Water Lab File ID: UXM29291.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:12

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:23

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43D-061520 Lab Sample ID: 240-131928-24

Matrix: Water Lab File ID: UXM29291.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:12

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:23

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43D-061520 Lab Sample ID: 240-131928-24

Matrix: Water Lab File ID: UXM29291.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:12

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:23

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	104		69-122
1868-53-7	Dibromofluoromethane (Surr)	110		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43D-061520 Lab Sample ID: 240-131928-24

Matrix: Water Lab File ID: UXM29291.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:12

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:23

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43D-061520 Lab Sample ID: 240-131928-24

Matrix: Water Lab File ID: UXM29291.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:12

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:23

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44A-061520 Lab Sample ID: 240-131928-25

Matrix: Water Lab File ID: UXM29292.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:48

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44A-061520 Lab Sample ID: 240-131928-25

Matrix: Water Lab File ID: UXM29292.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:48

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44A-061520 Lab Sample ID: 240-131928-25

Matrix: Water Lab File ID: UXM29292.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:48

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		75-130
460-00-4	4-Bromofluorobenzene (Surr)	113		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	110		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44A-061520 Lab Sample ID: 240-131928-25

Matrix: Water Lab File ID: UXM29292.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:48

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44A-061520 Lab Sample ID: 240-131928-25

Matrix: Water Lab File ID: UXM29292.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:48

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44B-061520 Lab Sample ID: 240-131928-26

Matrix: Water Lab File ID: UXM29293.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:50

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:13

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44B-061520 Lab Sample ID: 240-131928-26

Matrix: Water Lab File ID: UXM29293.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:50

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:13

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44B-061520 Lab Sample ID: 240-131928-26

Matrix: Water Lab File ID: UXM29293.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:50

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:13

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		75-130
460-00-4	4-Bromofluorobenzene (Surr)	112		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	107		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44B-061520 Lab Sample ID: 240-131928-26

Matrix: Water Lab File ID: UXM29293.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:50

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:13

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44B-061520 Lab Sample ID: 240-131928-26

Matrix: Water Lab File ID: UXM29293.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:50

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:13

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44C-061520 Lab Sample ID: 240-131928-27

Matrix: Water Lab File ID: UXM29294.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:53

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44C-061520 Lab Sample ID: 240-131928-27

Matrix: Water Lab File ID: UXM29294.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:53

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44C-061520 Lab Sample ID: 240-131928-27

Matrix: Water Lab File ID: UXM29294.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:53

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	108		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44C-061520 Lab Sample ID: 240-131928-27

Matrix: Water Lab File ID: UXM29294.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:53

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44C-061520 Lab Sample ID: 240-131928-27

Matrix: Water Lab File ID: UXM29294.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:53

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44D-061520 Lab Sample ID: 240-131928-28

Matrix: Water Lab File ID: UXM29295.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:56

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:02

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44D-061520 Lab Sample ID: 240-131928-28

Matrix: Water Lab File ID: UXM29295.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:56

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:02

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44D-061520 Lab Sample ID: 240-131928-28

Matrix: Water Lab File ID: UXM29295.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:56

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:02

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	105		69-122
1868-53-7	Dibromofluoromethane (Surr)	109		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44D-061520 Lab Sample ID: 240-131928-28

Matrix: Water Lab File ID: UXM29295.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:56

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:02

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44D-061520 Lab Sample ID: 240-131928-28

Matrix: Water Lab File ID: UXM29295.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:56

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:02

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW46A-061520 Lab Sample ID: 240-131928-30

Matrix: Water Lab File ID: UXM29297.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:51

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW46A-061520 Lab Sample ID: 240-131928-30

Matrix: Water Lab File ID: UXM29297.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:51

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW46A-061520 Lab Sample ID: 240-131928-30

Matrix: Water Lab File ID: UXM29297.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:51

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		75-130
460-00-4	4-Bromofluorobenzene (Surr)	113		47-134
2037-26-5	Toluene-d8 (Surr)	107		69-122
1868-53-7	Dibromofluoromethane (Surr)	112		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW46A-061520 Lab Sample ID: 240-131928-30

Matrix: Water Lab File ID: UXM29297.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:51

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW46A-061520 Lab Sample ID: 240-131928-30

Matrix: Water Lab File ID: UXM29297.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:51

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW47A-061520 Lab Sample ID: 240-131928-31

Matrix: Water Lab File ID: UXM29298.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:47

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:16

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW47A-061520 Lab Sample ID: 240-131928-31

Matrix: Water Lab File ID: UXM29298.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:47

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:16

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW47A-061520 Lab Sample ID: 240-131928-31

Matrix: Water Lab File ID: UXM29298.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:47

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:16

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		75-130
460-00-4	4-Bromofluorobenzene (Surr)	111		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	112		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW47A-061520 Lab Sample ID: 240-131928-31

Matrix: Water Lab File ID: UXM29298.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:47

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:16

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW47A-061520 Lab Sample ID: 240-131928-31

Matrix: Water Lab File ID: UXM29298.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:47

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:16

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW48A-061520 Lab Sample ID: 240-131928-32

Matrix: Water Lab File ID: UXM29299.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:33

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:41

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW48A-061520 Lab Sample ID: 240-131928-32

Matrix: Water Lab File ID: UXM29299.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:33

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:41

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW48A-061520 Lab Sample ID: 240-131928-32

Matrix: Water Lab File ID: UXM29299.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:33

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:41

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	105		69-122
1868-53-7	Dibromofluoromethane (Surr)	109		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW48A-061520 Lab Sample ID: 240-131928-32

Matrix: Water Lab File ID: UXM29299.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:33

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:41

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW48A-061520 Lab Sample ID: 240-131928-32

Matrix: Water Lab File ID: UXM29299.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:33

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:41

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW49A--061520 Lab Sample ID: 240-131928-33

Matrix: Water Lab File ID: UXM29300.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:05

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW49A--061520 Lab Sample ID: 240-131928-33

Matrix: Water Lab File ID: UXM29300.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:05

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW49A--061520 Lab Sample ID: 240-131928-33

Matrix: Water Lab File ID: UXM29300.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:05

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		75-130
460-00-4	4-Bromofluorobenzene (Surr)	109		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	109		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW49A--061520 Lab Sample ID: 240-131928-33

Matrix: Water Lab File ID: UXM29300.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:05

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW49A--061520 Lab Sample ID: 240-131928-33

Matrix: Water Lab File ID: UXM29300.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:05

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: TB--061520 Lab Sample ID: 240-131928-29

Matrix: Water Lab File ID: UXM29296.D

Analysis Method: 8260C Date Collected: 06/15/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:26

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: TB--061520 Lab Sample ID: 240-131928-29

Matrix: Water Lab File ID: UXM29296.D

Analysis Method: 8260C Date Collected: 06/15/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:26

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: TB--061520 Lab Sample ID: 240-131928-29

Matrix: Water Lab File ID: UXM29296.D

Analysis Method: 8260C Date Collected: 06/15/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:26

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	105		69-122
1868-53-7	Dibromofluoromethane (Surr)	112		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: TB--061520 Lab Sample ID: 240-131928-29

Matrix: Water Lab File ID: UXM29296.D

Analysis Method: 8260C Date Collected: 06/15/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:26

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: TB--061520 Lab Sample ID: 240-131928-29

Matrix: Water Lab File ID: UXM29296.D

Analysis Method: 8260C Date Collected: 06/15/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:26

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

APPENDIX C

SUPPORT DOCUMENTATION

CASE NARRATIVE

Client: Tetra Tech, Inc.

Project: MSA Surface Water

Report Number: 240-131928-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Eurofins TestAmerica, Canton attests to the validity of the laboratory data generated by Eurofins TestAmerica facilities reported herein. All analyses performed by Eurofins TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

RECEIPT

The samples were received on 6/16/2020 10:10 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.0º C.

EXCEPT: The trip blank indicated three vials on the COC: however, the laboratory received two vials.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples MSA-SW37A-061520 (240-131928-1), MSA-SW37B-061520 (240-131928-2), MSA-SW37C-061520 (240-131928-3), MSA-SW37D-061520 (240-131928-4), MSA-SW38A-061520 (240-131928-5), MSA-SW38B-061520 (240-131928-6), MSA-SW38C-061520 (240-131928-7), MSA-SW38D-061520 (240-131928-8), MSA-SW40A-061520 (240-131928-9), MSA-SW40B-061520 (240-131928-10), MSA-SW40C-061520 (240-131928-11), MSA-SW40D-061520 (240-131928-12), MSA-SW41A-061520 (240-131928-13), MSA-SW41B-061520 (240-131928-14), MSA-SW41C-061520 (240-131928-15), MSA-SW41D-061520 (240-131928-16), MSA-SW42A-061520 (240-131928-17), MSA-SW42B-061520 (240-131928-18), MSA-SW42C-061520 (240-131928-19), MSA-SW42D-061520 (240-131928-20), MSA-SW43A-061520 (240-131928-21), MSA-SW43B--061520 (240-131928-22), MSA-SW43C-061520 (240-131928-23), MSA-SW43D-061520 (240-131928-24), MSA-SW44A-061520 (240-131928-25), MSA-SW44B-061520 (240-131928-26), MSA-SW44C-061520 (240-131928-27), MSA-SW44D-061520 (240-131928-28), TB--061520 (240-131928-29), MSA-SW46A-061520 (240-131928-30), MSA-SW47A-061520 (240-131928-31), MSA-SW48A-061520 (240-131928-32), MSA-SW49A--061520 (240-131928-33), EL-SW01A-061520 (240-131928-34), EL-SW01B-061520 (240-131928-35), EL-SW01C-061520 (240-131928-36) and EL-SW01D-061520 (240-131928-37) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 06/25/2020, 06/26/2020 and 06/27/2020.

The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MSA-SW37A-061520 (240-131928-1), MSA-SW37B-061520 (240-131928-2), MSA-SW37C-061520 (240-131928-3), MSA-SW37D-061520 (240-131928-4), MSA-SW38A-061520 (240-131928-5), MSA-SW38B-061520 (240-131928-6), MSA-SW38C-061520 (240-131928-7), MSA-SW38D-061520 (240-131928-8), MSA-SW40A-061520 (240-131928-9), MSA-SW40B-061520 (240-131928-10), MSA-SW40C-061520 (240-131928-11), MSA-SW40D-061520 (240-131928-12), MSA-SW41A-061520 (240-131928-13), MSA-SW41B-061520 (240-131928-14), MSA-SW41C-061520 (240-131928-15), MSA-SW41D-061520 (240-131928-16), and MSA-SW42A-061520 (240-131928-17). MSA-SW42B-061520 (240-131928-18), MSA-SW42C-061520 (240-131928-19), MSA-SW42D-061520 (240-131928-20), MSA-SW43A-061520 (240-131928-21), MSA-SW43B--061520 (240-131928-22), MSA-SW43C-061520 (240-131928-23), MSA-SW43D-061520 (240-131928-24), MSA-SW44A-061520 (240-131928-25), MSA-SW44B-061520 (240-131928-26), MSA-SW44C-061520 (240-131928-27), MSA-SW44D-061520 (240-131928-28), TB--061520 (240-131928-29), MSA-SW46A-061520 (240-131928-30), MSA-SW47A-061520 (240-131928-31), MSA-SW48A-061520 (240-131928-32), MSA-SW49A--061520 (240-131928-33), EL-SW01A-061520 (240-131928-34), EL-SW01B-061520 (240-131928-35), EL-SW01C-061520 (240-131928-36) and

EL-SW01D-061520 (240-131928-37). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound that degrades in an acidic medium.

The continuing calibration verification (CCV) analyzed in batch 240-440070 was outside the method criteria for the following analyte(s): Multiple Analytes. 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. MSA-SW42B-061520 (240-131928-18), MSA-SW42C-061520 (240-131928-19), MSA-SW42D-061520 (240-131928-20), MSA-SW43A-061520 (240-131928-21), MSA-SW43B--061520 (240-131928-22), MSA-SW43C-061520 (240-131928-23), MSA-SW43D-061520 (240-131928-24), MSA-SW44A-061520 (240-131928-25), MSA-SW44B-061520 (240-131928-26), MSA-SW44C-061520 (240-131928-27), MSA-SW44D-061520 (240-131928-28), TB--061520 (240-131928-29), MSA-SW46A-061520 (240-131928-30), MSA-SW47A-061520 (240-131928-31), MSA-SW48A-061520 (240-131928-32), MSA-SW49A--061520 (240-131928-33), EL-SW01A-061520 (240-131928-34), EL-SW01B-061520 (240-131928-35), EL-SW01C-061520 (240-131928-36), EL-SW01D-061520 (240-131928-37), (CCV 240-440070/4) and (CCVIS 240-440070/3)

The continuing calibration verification (CCV) analyzed in batch 240-440074 was outside the method criteria for chloromethane, and difluorodichloromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 240-440080 and batch 240-440294 was outside the method criteria for some analytes. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The MS/MSD for batch 240-440294 was not reported due to an instrument malfunction. The MS/MSD result does not have immediate bearing on any samples except for the actual sample spiked. The associated laboratory control sample (LCS) met acceptance criteria and provides long-term precision and accuracy for this batch.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 240-440070.

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

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 240-131928-1
Project/Site: MSA Surface Water

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated 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
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-131928-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
5030C	Purge and Trap	SW846	TAL CAN

Protocol References:

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

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-131928-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-131928-1	MSA-SW37A-061520	Water	06/15/20 12:20	06/16/20 10:10	
240-131928-2	MSA-SW37B-061520	Water	06/15/20 12:23	06/16/20 10:10	
240-131928-3	MSA-SW37C-061520	Water	06/15/20 12:26	06/16/20 10:10	
240-131928-4	MSA-SW37D-061520	Water	06/15/20 12:30	06/16/20 10:10	
240-131928-5	MSA-SW38A-061520	Water	06/15/20 11:36	06/16/20 10:10	
240-131928-6	MSA-SW38B-061520	Water	06/15/20 11:39	06/16/20 10:10	
240-131928-7	MSA-SW38C-061520	Water	06/15/20 11:43	06/16/20 10:10	
240-131928-8	MSA-SW38D-061520	Water	06/15/20 11:45	06/16/20 10:10	
240-131928-9	MSA-SW40A-061520	Water	06/15/20 11:52	06/16/20 10:10	
240-131928-10	MSA-SW40B-061520	Water	06/15/20 11:55	06/16/20 10:10	
240-131928-11	MSA-SW40C-061520	Water	06/15/20 11:57	06/16/20 10:10	
240-131928-12	MSA-SW40D-061520	Water	06/15/20 12:00	06/16/20 10:10	
240-131928-13	MSA-SW41A-061520	Water	06/15/20 11:20	06/16/20 10:10	
240-131928-14	MSA-SW41B-061520	Water	06/15/20 11:23	06/16/20 10:10	
240-131928-15	MSA-SW41C-061520	Water	06/15/20 11:26	06/16/20 10:10	
240-131928-16	MSA-SW41D-061520	Water	06/15/20 11:29	06/16/20 10:10	
240-131928-17	MSA-SW42A-061520	Water	06/15/20 12:06	06/16/20 10:10	
240-131928-18	MSA-SW42B-061520	Water	06/15/20 12:09	06/16/20 10:10	
240-131928-19	MSA-SW42C-061520	Water	06/15/20 12:11	06/16/20 10:10	
240-131928-20	MSA-SW42D-061520	Water	06/15/20 12:15	06/16/20 10:10	
240-131928-21	MSA-SW43A-061520	Water	06/15/20 11:02	06/16/20 10:10	
240-131928-22	MSA-SW43B--061520	Water	06/15/20 11:06	06/16/20 10:10	
240-131928-23	MSA-SW43C-061520	Water	06/15/20 11:09	06/16/20 10:10	
240-131928-24	MSA-SW43D-061520	Water	06/15/20 11:12	06/16/20 10:10	
240-131928-25	MSA-SW44A-061520	Water	06/15/20 10:48	06/16/20 10:10	
240-131928-26	MSA-SW44B-061520	Water	06/15/20 10:50	06/16/20 10:10	
240-131928-27	MSA-SW44C-061520	Water	06/15/20 10:53	06/16/20 10:10	
240-131928-28	MSA-SW44D-061520	Water	06/15/20 10:56	06/16/20 10:10	
240-131928-29	TB--061520	Water	06/15/20 00:00	06/16/20 10:10	
240-131928-30	MSA-SW46A-061520	Water	06/15/20 12:02	06/16/20 10:10	
240-131928-31	MSA-SW47A-061520	Water	06/15/20 11:47	06/16/20 10:10	
240-131928-32	MSA-SW48A-061520	Water	06/15/20 11:33	06/16/20 10:10	
240-131928-33	MSA-SW49A--061520	Water	06/15/20 11:15	06/16/20 10:10	
240-131928-34	EL-SW01A-061520	Water	06/15/20 10:28	06/16/20 10:10	
240-131928-35	EL-SW01B-061520	Water	06/15/20 10:31	06/16/20 10:10	
240-131928-36	EL-SW01C-061520	Water	06/15/20 10:34	06/16/20 10:10	
240-131928-37	EL-SW01D-061520	Water	06/15/20 10:36	06/16/20 10:10	

Baltimore
#201

3-1/4.0

North Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 6/15/2020	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: John McFadden	Carrier: Fedex	1 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W)			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			
(301) 528-3000 FAX	☐ 2 weeks			SDG No.
Project Name: MSA Surface Water Sampling	☐ 1 week Standard			
Site: MSA Frog Mortar Creek	☐ 2 days			
Project # 112IC09023	☐ 1 day			Sampler: J Mullis

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TIC (8260C)	Sample Specific Notes:
MSA-SW37A-061520	6/15/2020	1220	SW	Water	3		x	
MSA-SW37B-061520	6/15/2020	1223	SW	Water	3		x	
MSA-SW37C-061520	6/15/2020	1226	SW	Water	3		x	
MSA-SW37D-061520	6/15/2020	1230	SW	Water	3		x	
MSA-SW38A-061520	6/15/2020	1136	SW	Water	3		x	
MSA-SW38B-061520	6/15/2020	1139	SW	Water	3		x	
MSA-SW38C-061520	6/15/2020	1143	SW	Water	3		x	
MSA-SW38D-061520	6/15/2020	1145	SW	Water	3		x	
MSA-SW40A-061520	6/15/2020	1152	SW	Water	3		x	
MSA-SW40B-061520	6/15/2020	1155	SW	Water	3		x	
MSA-SW40C-061520	6/15/2020	1157	SW	Water	3		x	
MSA-SW40D-061520	6/15/2020	1200	SW	Water	3		x	
							2	

240-131928 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☒ *Non-Hazard* ☐ *Flammable* ☐ *Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: Dissolved Metals and DOC filtered in field

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	IT INC	6/15/20 1530	[signature]	ETA	6/15/20 1830
Relinquished by: [signature]	Company: ETA	Date/Time: 6/15/20 1700	Received by: [signature]	Company: ETA	Date/Time: 6-16-20 1010
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

North Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Baltimore #201

3-1140

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 6/15/2020	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: John McFadden	Carrier: Fedex	2 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W)			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			SDG No.
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: MSA Surface Water Sampling	☐ 1 week Standard			Sampler: J Mullis
Site: MSA Frog Mortar Creek	☐ 2 days			
Project # 112IC09023	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TIC (8260C)	Sample Specific Notes:
MSA-SW41A-061520	6/15/2020	1120	SW	Water	3		x	
MSA-SW41B-061520	6/15/2020	1123	SW	Water	3		x	
MSA-SW41C-061520	6/15/2020	1126	SW	Water	3		x	
MSA-SW41D-061520	6/15/2020	1129	SW	Water	3		x	
MSA-SW42A-061520	6/15/2020	1206	SW	Water	3		x	
MSA-SW42B-061520	6/15/2020	1209	SW	Water	3		x	
MSA-SW42C-061520	6/15/2020	1211	SW	Water	3		x	
MSA-SW42D-061520	6/15/2020	1215	SW	Water	3		x	
MSA-SW43A-061520	6/15/2020	1102	SW	Water	3		x	
MSA-SW43B-061520	6/15/2020	1106	SW	Water	3		x	
MSA-SW43C-061520	6/15/2020	1109	SW	Water	3		x	
MSA-SW43D-061520	6/15/2020	1112	SW	Water	3		x	
							2	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☒ *Non-Hazard* ☐ *Flammable* ☐ *Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: Dissolved Metals and DOC filtered in field

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TT ENE	6/15/20 1530	[signature]	ESA	6/15/20 1530
Relinquished by: [signature]	Company: ESA	Date/Time: 6/15/20 1760	Received by: Adam Ramey	Company: ESA	Date/Time: 6-16-20 0:10
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Baltimore
#201

3-114.0

North Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 6/15/2020	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: John McFadden	Carrier: Fedex	3 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W)			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			
(301) 528-3000 FAX	☐ 2 weeks			SDG No.
Project Name: MSA Surface Water Sampling	☐ 1 week Standard			
Site: MSA Frog Mortar Creek	☐ 2 days			
Project # 112IC09023	☐ 1 day			Sampler: J Mullis

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TIC (8260C)	Sample Specific Notes:
MSA-SW44A-061520	6/15/2020	1048	SW	Water	3		x	
MSA-SW44B-061520	6/15/2020	1050	SW	Water	3		x	
MSA-SW44C-061520	6/15/2020	1053	SW	Water	3		x	
MSA-SW44D-061520	6/15/2020	1056	SW	Water	3		x	
TB-061520	6/15/2020	0000	SW	Water	3		x	
MSA-SW46A-061520	6/15/2020	1202	SW	Water	3		x	
MSA-SW47A-061520	6/15/2020	1147	SW	Water	3		x	
MSA-SW48A-061520	6/15/2020	1133	SW	Water	3		x	
MSA-SW49A-061520	6/15/2020	1115	SW	Water	3		x	
EL-SW01A-061520	6/15/2020	1028	SW	Water	3		x	
EL-SW01B-061520	6/15/2020	1031	SW	Water	3		x	
EL-SW01C-061520	6/15/2020	1034	SW	Water	3		x	
EL-SW01D-061520	6/15/2020	1036	SW	Water	3		x	
							2	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Irritant Poison B ☐ Unknown ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments: Dissolved Metals and DOC filtered in field

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TT INC	6/15/20 1530	[signature]	FSTA	6/15/20 1830
Relinquished by: [signature]	Company: FSTA	Date/Time: 6/15/20 2120	Received by: [signature]	Company: ESTA	Date/Time: 6-16-20 1010
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

06/30/2020

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # :** _____
Canton Facility

Client Tetra Tech Site Name _____ Cooler unpacked by: Adam Garnett

Cooler Received on 6-16-20 Opened on 6-16-20

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # TA Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-10 (CF **+0.7** °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN #IR-11 (CF **+0.9**°C) Observed Cooler Temp. 31 °C Corrected Cooler Temp. 40 °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No
   -Were the seals on the outside of the cooler(s) signed & dated? Yes No NA
   -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No
   -Were tamper/custody seals intact and uncompromised? Yes No NA
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? ASG 6-16-20 Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Are these work share samples? Yes No
    If yes, Questions 12-16 have been checked at the originating laboratory.
12. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# **HC902937**
13. Were VOAs on the COC? Yes No
14. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. Yes No NA
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Covered Yes No
16. Was a LL Hg or Me Hg trip blank present? _____ Yes No

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

Client sent only 2 ea TB rather than 3 as stated on COC.

18. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

19. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

WI-NC-099

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

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 #
MSA-SW37A-061520	240-131928-1	101	95	103	93
MSA-SW37B-061520	240-131928-2	99	94	101	92
MSA-SW37C-061520	240-131928-3	100	95	104	92
MSA-SW37D-061520	240-131928-4	100	96	104	95
MSA-SW38A-061520	240-131928-5	100	93	101	92
MSA-SW38B-061520	240-131928-6	103	97	104	96
MSA-SW38C-061520	240-131928-7	100	94	100	91
MSA-SW38D-061520	240-131928-8	99	94	102	91
MSA-SW40A-061520	240-131928-9	102	95	101	93
MSA-SW40B-061520	240-131928-10	101	98	104	98
MSA-SW40C-061520	240-131928-11	99	94	103	91
MSA-SW40D-061520	240-131928-12	90	103	92	86
MSA-SW41A-061520	240-131928-13	99	110	99	96
MSA-SW41B-061520	240-131928-14	92	106	93	88
MSA-SW41C-061520	240-131928-15	95	110	95	90
MSA-SW41D-061520	240-131928-16	93	110	98	96
MSA-SW42A-061520	240-131928-17	95	92	101	92
MSA-SW42B-061520	240-131928-18	113	118	109	116
MSA-SW42C-061520	240-131928-19	112	115	107	114
MSA-SW42D-061520	240-131928-20	111	116	105	112
MSA-SW43A-061520	240-131928-21	110	115	106	112
MSA-SW43B--061520	240-131928-22	112	115	107	114
MSA-SW43C-061520	240-131928-23	112	116	107	113
MSA-SW43D-061520	240-131928-24	110	111	104	110
MSA-SW44A-061520	240-131928-25	110	115	106	113
MSA-SW44B-061520	240-131928-26	107	115	106	112
MSA-SW44C-061520	240-131928-27	108	114	106	110
MSA-SW44D-061520	240-131928-28	109	114	105	110
TB--061520	240-131928-29	112	116	105	110
MSA-SW46A-061520	240-131928-30	112	116	107	113
MSA-SW47A-061520	240-131928-31	112	116	106	111
MSA-SW48A-061520	240-131928-32	109	115	105	110
MSA-SW49A--061520	240-131928-33	109	116	106	109
EL-SW01A-061520	240-131928-34	108	113	106	110
EL-SW01B-061520	240-131928-35	110	114	107	111

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	78-129
DCA = 1,2-Dichloroethane-d4 (Surr)	75-130
TOL = Toluene-d8 (Surr)	69-122
BFB = 4-Bromofluorobenzene (Surr)	47-134

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

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 #
EL-SW01C-061520	240-131928-36	111	116	105	110
EL-SW01D-061520	240-131928-37	108	114	105	110
	MB 240-440070/8	109	114	106	112
	MB 240-440074/8	96	107	96	92
	MB 240-440080/8	98	94	102	96
	MB 240-440294/8	99	94	103	94
	LCS 240-440070/5	105	108	108	113
	LCS 240-440074/5	96	106	97	91
	LCS 240-440080/5	94	90	108	105
	LCS 240-440294/5	92	87	107	102

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	78-129
DCA = 1,2-Dichloroethane-d4 (Surr)	75-130
TOL = Toluene-d8 (Surr)	69-122
BFB = 4-Bromofluorobenzene (Surr)	47-134

Column to be used to flag recovery values

FORM II 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: U1915177.d Lab Sample ID: MB 240-440080/8

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

Instrument ID: A3UX19 Date Analyzed: 06/25/2020 18:02

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 240-440080/5	U1915174.d	06/25/2020 16:55
MSA-SW37A-061520	240-131928-1	U1915191.d	06/25/2020 23:18
MSA-SW37B-061520	240-131928-2	U1915192.d	06/25/2020 23:40
MSA-SW37C-061520	240-131928-3	U1915193.d	06/26/2020 00:03
MSA-SW37D-061520	240-131928-4	U1915194.d	06/26/2020 00:25
MSA-SW38A-061520	240-131928-5	U1915195.d	06/26/2020 00:47
MSA-SW38B-061520	240-131928-6	U1915196.d	06/26/2020 01:10
MSA-SW38C-061520	240-131928-7	U1915197.d	06/26/2020 01:33
MSA-SW38D-061520	240-131928-8	U1915198.d	06/26/2020 01:55
MSA-SW40A-061520	240-131928-9	U1915199.d	06/26/2020 02:18
MSA-SW40B-061520	240-131928-10	U1915200.d	06/26/2020 02:40
MSA-SW40C-061520	240-131928-11	U1915201.d	06/26/2020 03:02

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440080/8

Matrix: Water Lab File ID: U1915177.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:02

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440080/8

Matrix: Water Lab File ID: U1915177.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:02

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440080/8

Matrix: Water Lab File ID: U1915177.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:02

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
460-00-4	4-Bromofluorobenzene (Surr)	96		47-134
2037-26-5	Toluene-d8 (Surr)	102		69-122
1868-53-7	Dibromofluoromethane (Surr)	98		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440080/8

Matrix: Water Lab File ID: U1915177.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:02

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.: 440080 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 III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U1915174.d

Lab ID: LCS 240-440080/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	19.6	98	77-120	
1,1,1-Trichloroethane	20.0	17.5	87	65-141	
1,1,2,2-Tetrachloroethane	20.0	25.4	127	45-151	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	19.3	97	54-148	
1,1-Dichloroethane	20.0	20.5	102	74-126	
1,1-Dichloroethene	20.0	19.4	97	73-129	
1,1-Dichloropropene	20.0	19.4	97	78-120	
1,2,3-Trichlorobenzene	20.0	19.0	95	42-126	
1,2,3-Trichloropropane	20.0	21.4	107	57-137	
1,2,4-Trichlorobenzene	20.0	17.6	88	47-120	
1,2,4-Trimethylbenzene	20.0	22.4	112	66-129	
1,2-Dibromo-3-Chloropropane	20.0	21.0	105	34-136	
1,2-Dichlorobenzene	20.0	20.8	104	74-120	
1,2-Dichloroethane	20.0	17.0	85	66-129	
1,2-Dichloropropane	20.0	21.1	106	79-127	
1,3-Dichlorobenzene	20.0	19.9	99	74-120	
1,3-Dichloropropane	20.0	21.7	109	74-122	
1,4-Dichlorobenzene	20.0	19.5	98	75-120	
2,2-Dichloropropane	20.0	19.1	95	67-137	
2-Chloroethyl vinyl ether	20.0	18.3	91	29-146	
2-Chlorotoluene	20.0	22.0	110	73-126	
2-Hexanone	40.0	40.6	101	43-142	
Bromobenzene	20.0	19.0	95	77-120	
Bromochloromethane	20.0	19.3	96	70-128	
4-Chlorotoluene	20.0	20.9	105	73-126	
p-Isopropyltoluene	20.0	21.0	105	66-127	
Acetone	40.0	56.4	141	33-155	
Benzene	20.0	21.2	106	77-123	
Bromoform	20.0	17.0	85	47-133	
Bromomethane	20.0	17.7	89	48-144	
Carbon disulfide	20.0	20.2	101	67-127	
Carbon tetrachloride	20.0	16.4	82	61-142	
Chlorobenzene	20.0	19.8	99	80-120	
Chloroethane	20.0	20.9	105	41-147	
Chloroform	20.0	19.7	98	74-127	
Chloromethane	20.0	19.6	98	46-148	
cis-1,2-Dichloroethene	20.0	20.0	100	75-124	
cis-1,3-Dichloropropene	20.0	19.0	95	68-128	
Hexachlorobutadiene	20.0	14.7	74	40-120	
Dibromomethane	20.0	15.8	79	67-121	
Bromodichloromethane	20.0	18.6	93	73-122	

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, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U1915174.d

Lab ID: LCS 240-440080/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	20.0	14.2	71	35-137	
Ethylbenzene	20.0	20.6	103	80-120	
1,2-Dibromoethane	20.0	19.5	98	73-120	
Naphthalene	20.0	21.8	109	28-130	
m-Xylene & p-Xylene	20.0	21.2	106	79-121	
n-Butylbenzene	20.0	21.5	107	54-129	
Isopropylbenzene	20.0	21.1	106	73-123	
n-Propylbenzene	20.0	21.7	108	67-130	
2-Butanone	40.0	44.0	110	41-151	
4-Methyl-2-pentanone	40.0	37.9	95	43-145	
sec-Butylbenzene	20.0	21.5	108	60-131	
Methyl tert-butyl ether	20.0	18.3	92	57-127	
Methylene Chloride	20.0	20.1	100	63-134	
o-Xylene	20.0	21.5	107	75-123	
Styrene	20.0	21.1	106	75-121	
tert-Butylbenzene	20.0	20.3	101	63-126	
Tetrachloroethene	20.0	17.5	88	70-125	
Toluene	20.0	21.9	110	79-122	
trans-1,2-Dichloroethene	20.0	20.2	101	74-130	
trans-1,3-Dichloropropene	20.0	18.2	91	64-120	
Trichloroethene	20.0	17.4	87	71-121	
Trichlorofluoromethane	20.0	15.4	77	52-148	
Vinyl acetate	20.0	18.4	92	44-160	
Vinyl chloride	20.0	19.7	98	61-134	
tert-Butyl alcohol	200	304	152	15-169	
Xylenes, Total	40.0	42.7	107	78-122	
Dibromochloromethane	20.0	19.2	96	75-120	

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, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: U1278706.D Lab Sample ID: MB 240-440074/8

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

Instrument ID: A3UX12 Date Analyzed: 06/25/2020 18:06

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 240-440074/5	U1278703a.D	06/25/2020 16:58
MSA-SW40D-061520	240-131928-12	U1278726.D	06/26/2020 01:34
MSA-SW41A-061520	240-131928-13	U1278727.D	06/26/2020 01:56
MSA-SW41B-061520	240-131928-14	U1278728.D	06/26/2020 02:19
MSA-SW41C-061520	240-131928-15	U1278729.D	06/26/2020 02:41
MSA-SW41D-061520	240-131928-16	U1278730.D	06/26/2020 03:04

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440074/8

Matrix: Water Lab File ID: U1278706.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:06

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440074/8

Matrix: Water Lab File ID: U1278706.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:06

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440074/8

Matrix: Water Lab File ID: U1278706.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:06

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		75-130
460-00-4	4-Bromofluorobenzene (Surr)	92		47-134
2037-26-5	Toluene-d8 (Surr)	96		69-122
1868-53-7	Dibromofluoromethane (Surr)	96		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440074/8

Matrix: Water Lab File ID: U1278706.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:06

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.: 440074 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 III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U1278703a.D

Lab ID: LCS 240-440074/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	18.5	92	77-120	
1,1,1-Trichloroethane	20.0	20.0	100	65-141	
1,1,2,2-Tetrachloroethane	20.0	20.6	103	45-151	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	19.7	99	54-148	
1,1-Dichloroethane	20.0	20.1	101	74-126	
1,1-Dichloroethene	20.0	21.0	105	73-129	
1,1-Dichloropropene	20.0	19.5	97	78-120	
1,2,3-Trichlorobenzene	20.0	18.1	90	42-126	
1,2,3-Trichloropropane	20.0	19.4	97	57-137	
1,2,4-Trichlorobenzene	20.0	17.4	87	47-120	
1,2,4-Trimethylbenzene	20.0	19.1	95	66-129	
1,2-Dibromo-3-Chloropropane	20.0	18.0	90	34-136	
1,2-Dichlorobenzene	20.0	18.1	90	74-120	
1,2-Dichloroethane	20.0	20.6	103	66-129	
1,2-Dichloropropane	20.0	21.0	105	79-127	
1,3-Dichlorobenzene	20.0	17.8	89	74-120	
1,3-Dichloropropane	20.0	19.6	98	74-122	
1,4-Dichlorobenzene	20.0	17.6	88	75-120	
2,2-Dichloropropane	20.0	20.6	103	67-137	
2-Chloroethyl vinyl ether	20.0	21.2	106	29-146	
2-Chlorotoluene	20.0	18.8	94	73-126	
2-Hexanone	40.0	41.7	104	43-142	
Bromobenzene	20.0	18.5	92	77-120	
Bromochloromethane	20.0	20.5	102	70-128	
4-Chlorotoluene	20.0	18.9	94	73-126	
p-Isopropyltoluene	20.0	18.9	95	66-127	
Acetone	40.0	45.0	112	33-155	
Benzene	20.0	19.5	98	77-123	
Bromoform	20.0	18.7	93	47-133	
Bromomethane	20.0	19.0	95	48-144	
Carbon disulfide	20.0	16.7	84	67-127	
Carbon tetrachloride	20.0	19.7	99	61-142	
Chlorobenzene	20.0	18.5	93	80-120	
Chloroethane	20.0	19.8	99	41-147	
Chloroform	20.0	20.0	100	74-127	
Chloromethane	20.0	28.7	144	46-148	
cis-1,2-Dichloroethene	20.0	18.7	93	75-124	
cis-1,3-Dichloropropene	20.0	19.0	95	68-128	
Hexachlorobutadiene	20.0	14.6	73	40-120	
Dibromomethane	20.0	17.4	87	67-121	
Bromodichloromethane	20.0	19.4	97	73-122	

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, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U1278703a.D

Lab ID: LCS 240-440074/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	20.0	17.2	86	35-137	
Ethylbenzene	20.0	18.9	95	80-120	
1,2-Dibromoethane	20.0	18.8	94	73-120	
Naphthalene	20.0	18.6	93	28-130	
m-Xylene & p-Xylene	20.0	18.9	95	79-121	
n-Butylbenzene	20.0	18.7	93	54-129	
Isopropylbenzene	20.0	19.0	95	73-123	
n-Propylbenzene	20.0	19.6	98	67-130	
2-Butanone	40.0	38.7	97	41-151	
4-Methyl-2-pentanone	40.0	41.6	104	43-145	
sec-Butylbenzene	20.0	18.7	94	60-131	
Methyl tert-butyl ether	20.0	19.8	99	57-127	
Methylene Chloride	20.0	20.0	100	63-134	
o-Xylene	20.0	18.8	94	75-123	
Styrene	20.0	18.8	94	75-121	
tert-Butylbenzene	20.0	18.5	92	63-126	
Tetrachloroethene	20.0	18.7	94	70-125	
Toluene	20.0	19.2	96	79-122	
trans-1,2-Dichloroethene	20.0	20.7	103	74-130	
trans-1,3-Dichloropropene	20.0	18.2	91	64-120	
Trichloroethene	20.0	18.8	94	71-121	
Trichlorofluoromethane	20.0	20.2	101	52-148	
Vinyl acetate	20.0	20.7	103	44-160	
Vinyl chloride	20.0	18.7	93	61-134	
tert-Butyl alcohol	200	174	87	15-169	
Xylenes, Total	40.0	37.7	94	78-122	
Dibromochloromethane	20.0	18.8	94	75-120	

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, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: UXM29284.D Lab Sample ID: MB 240-440070/8

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

Instrument ID: A3UX16 Date Analyzed: 06/26/2020 02:29

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 240-440070/5	UXM29281.D	06/26/2020 01:15
MSA-SW42B-061520	240-131928-18	UXM29285.D	06/26/2020 02:54
MSA-SW42C-061520	240-131928-19	UXM29286.D	06/26/2020 03:19
MSA-SW42D-061520	240-131928-20	UXM29287.D	06/26/2020 03:43
MSA-SW43A-061520	240-131928-21	UXM29288.D	06/26/2020 04:08
MSA-SW43B--061520	240-131928-22	UXM29289.D	06/26/2020 04:33
MSA-SW43C-061520	240-131928-23	UXM29290.D	06/26/2020 04:58
MSA-SW43D-061520	240-131928-24	UXM29291.D	06/26/2020 05:23
MSA-SW44A-061520	240-131928-25	UXM29292.D	06/26/2020 05:48
MSA-SW44B-061520	240-131928-26	UXM29293.D	06/26/2020 06:13
MSA-SW44C-061520	240-131928-27	UXM29294.D	06/26/2020 06:38
MSA-SW44D-061520	240-131928-28	UXM29295.D	06/26/2020 07:02
TB--061520	240-131928-29	UXM29296.D	06/26/2020 07:26
MSA-SW46A-061520	240-131928-30	UXM29297.D	06/26/2020 07:51
MSA-SW47A-061520	240-131928-31	UXM29298.D	06/26/2020 08:16
MSA-SW48A-061520	240-131928-32	UXM29299.D	06/26/2020 08:41
MSA-SW49A--061520	240-131928-33	UXM29300.D	06/26/2020 09:05
EL-SW01A-061520	240-131928-34	UXM29301.D	06/26/2020 09:30
EL-SW01B-061520	240-131928-35	UXM29302.D	06/26/2020 09:55
EL-SW01C-061520	240-131928-36	UXM29303.D	06/26/2020 10:19
EL-SW01D-061520	240-131928-37	UXM29304.D	06/26/2020 10:44

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440070/8

Matrix: Water Lab File ID: UXM29284.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440070/8

Matrix: Water Lab File ID: UXM29284.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440070/8

Matrix: Water Lab File ID: UXM29284.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		75-130
460-00-4	4-Bromofluorobenzene (Surr)	112		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	109		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440070/8

Matrix: Water Lab File ID: UXM29284.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

Number TICs Found: 1 TIC Result Total: 8.34

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.54	8.34	T J	

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXM29281.D

Lab ID: LCS 240-440070/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	17.2	86	77-120	
1,1,1-Trichloroethane	20.0	16.9	84	65-141	
1,1,2,2-Tetrachloroethane	20.0	16.0	80	45-151	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	15.2	76	54-148	
1,1-Dichloroethane	20.0	16.8	84	74-126	
1,1-Dichloroethene	20.0	17.5	88	73-129	
1,1-Dichloropropene	20.0	16.8	84	78-120	
1,2,3-Trichlorobenzene	20.0	16.2	81	42-126	
1,2,3-Trichloropropane	20.0	17.6	88	57-137	
1,2,4-Trichlorobenzene	20.0	15.8	79	47-120	
1,2,4-Trimethylbenzene	20.0	16.9	84	66-129	
1,2-Dibromo-3-Chloropropane	20.0	16.5	83	34-136	
1,2-Dichlorobenzene	20.0	15.8	79	74-120	
1,2-Dichloroethane	20.0	16.7	83	66-129	
1,2-Dichloropropane	20.0	17.3	87	79-127	
1,3-Dichlorobenzene	20.0	16.2	81	74-120	
1,3-Dichloropropane	20.0	17.0	85	74-122	
1,4-Dichlorobenzene	20.0	16.6	83	75-120	
2,2-Dichloropropane	20.0	15.1	76	67-137	
2-Chloroethyl vinyl ether	20.0	16.9	84	29-146	
2-Chlorotoluene	20.0	16.1	81	73-126	
2-Hexanone	40.0	35.0	88	43-142	
Bromobenzene	20.0	16.6	83	77-120	
Bromochloromethane	20.0	15.6	78	70-128	
4-Chlorotoluene	20.0	16.6	83	73-126	
p-Isopropyltoluene	20.0	16.7	84	66-127	
Acetone	40.0	32.4	81	33-155	
Benzene	20.0	16.8	84	77-123	
Bromoform	20.0	16.7	83	47-133	
Bromomethane	20.0	13.4	67	48-144	
Carbon disulfide	20.0	17.5	88	67-127	
Carbon tetrachloride	20.0	17.2	86	61-142	
Chlorobenzene	20.0	16.6	83	80-120	
Chloroethane	20.0	19.7	99	41-147	
Chloroform	20.0	16.1	81	74-127	
Chloromethane	20.0	19.5	98	46-148	
cis-1,2-Dichloroethene	20.0	17.0	85	75-124	
cis-1,3-Dichloropropene	20.0	16.7	84	68-128	
Hexachlorobutadiene	20.0	16.4	82	40-120	
Dibromomethane	20.0	16.8	84	67-121	
Bromodichloromethane	20.0	16.8	84	73-122	

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, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXM29281.D

Lab ID: LCS 240-440070/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	20.0	17.4	87	35-137	
Ethylbenzene	20.0	16.8	84	80-120	
1,2-Dibromoethane	20.0	17.2	86	73-120	
Naphthalene	20.0	15.8	79	28-130	
m-Xylene & p-Xylene	20.0	16.8	84	79-121	
n-Butylbenzene	20.0	16.4	82	54-129	
Isopropylbenzene	20.0	17.1	85	73-123	
n-Propylbenzene	20.0	16.3	82	67-130	
2-Butanone	40.0	32.7	82	41-151	
4-Methyl-2-pentanone	40.0	34.6	87	43-145	
sec-Butylbenzene	20.0	16.6	83	60-131	
Methyl tert-butyl ether	20.0	17.4	87	57-127	
Methylene Chloride	20.0	16.7	84	63-134	
o-Xylene	20.0	16.8	84	75-123	
Styrene	20.0	17.0	85	75-121	
tert-Butylbenzene	20.0	16.7	83	63-126	
Tetrachloroethene	20.0	17.1	85	70-125	
Toluene	20.0	16.7	84	79-122	
trans-1,2-Dichloroethene	20.0	17.2	86	74-130	
trans-1,3-Dichloropropene	20.0	15.9	80	64-120	
Trichloroethene	20.0	17.4	87	71-121	
Trichlorofluoromethane	20.0	19.8	99	52-148	
Vinyl acetate	20.0	15.1	76	44-160	
Vinyl chloride	20.0	19.7	98	61-134	
tert-Butyl alcohol	200	173	87	15-169	
Xylenes, Total	40.0	33.6	84	78-122	
Dibromochloromethane	20.0	16.9	85	75-120	

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, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: U1915207.d Lab Sample ID: MB 240-440294/8

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

Instrument ID: A3UX19 Date Analyzed: 06/26/2020 17:54

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 240-440294/5	U1915204.d	06/26/2020 16:46
MSA-SW42A-061520	240-131928-17	U1915225.d	06/27/2020 00:39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440294/8

Matrix: Water Lab File ID: U1915207.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 17:54

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440294/8

Matrix: Water Lab File ID: U1915207.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 17:54

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440294/8

Matrix: Water Lab File ID: U1915207.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 17:54

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
460-00-4	4-Bromofluorobenzene (Surr)	94		47-134
2037-26-5	Toluene-d8 (Surr)	103		69-122
1868-53-7	Dibromofluoromethane (Surr)	99		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440294/8

Matrix: Water Lab File ID: U1915207.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 17:54

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.: 440294 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 III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U1915204.d

Lab ID: LCS 240-440294/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	20.2	101	77-120	
1,1,1-Trichloroethane	20.0	17.8	89	65-141	
1,1,2,2-Tetrachloroethane	20.0	25.4	127	45-151	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	20.0	100	54-148	
1,1-Dichloroethane	20.0	21.0	105	74-126	
1,1-Dichloroethene	20.0	19.8	99	73-129	
1,1-Dichloropropene	20.0	19.8	99	78-120	
1,2,3-Trichlorobenzene	20.0	19.2	96	42-126	
1,2,3-Trichloropropane	20.0	21.3	106	57-137	
1,2,4-Trichlorobenzene	20.0	17.2	86	47-120	
1,2,4-Trimethylbenzene	20.0	22.3	111	66-129	
1,2-Dibromo-3-Chloropropane	20.0	21.4	107	34-136	
1,2-Dichlorobenzene	20.0	21.0	105	74-120	
1,2-Dichloroethane	20.0	17.3	86	66-129	
1,2-Dichloropropane	20.0	21.6	108	79-127	
1,3-Dichlorobenzene	20.0	20.0	100	74-120	
1,3-Dichloropropane	20.0	21.8	109	74-122	
1,4-Dichlorobenzene	20.0	19.6	98	75-120	
2,2-Dichloropropane	20.0	18.7	93	67-137	
2-Chloroethyl vinyl ether	20.0	18.7	94	29-146	
2-Chlorotoluene	20.0	21.7	108	73-126	
2-Hexanone	40.0	41.2	103	43-142	
Bromobenzene	20.0	19.4	97	77-120	
Bromochloromethane	20.0	19.5	98	70-128	
4-Chlorotoluene	20.0	21.2	106	73-126	
p-Isopropyltoluene	20.0	20.6	103	66-127	
Acetone	40.0	57.1	143	33-155	
Benzene	20.0	21.8	109	77-123	
Bromoform	20.0	17.7	89	47-133	
Bromomethane	20.0	18.2	91	48-144	
Carbon disulfide	20.0	20.8	104	67-127	
Carbon tetrachloride	20.0	16.6	83	61-142	
Chlorobenzene	20.0	20.6	103	80-120	
Chloroethane	20.0	20.9	105	41-147	
Chloroform	20.0	19.6	98	74-127	
Chloromethane	20.0	20.0	100	46-148	
cis-1,2-Dichloroethene	20.0	20.6	103	75-124	
cis-1,3-Dichloropropene	20.0	19.5	97	68-128	
Hexachlorobutadiene	20.0	14.6	73	40-120	
Dibromomethane	20.0	16.1	80	67-121	
Bromodichloromethane	20.0	18.6	93	73-122	

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, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U1915204.d

Lab ID: LCS 240-440294/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	20.0	14.9	74	35-137	
Ethylbenzene	20.0	21.0	105	80-120	
1,2-Dibromoethane	20.0	20.4	102	73-120	
Naphthalene	20.0	21.8	109	28-130	
m-Xylene & p-Xylene	20.0	21.7	108	79-121	
n-Butylbenzene	20.0	21.3	106	54-129	
Isopropylbenzene	20.0	21.4	107	73-123	
n-Propylbenzene	20.0	21.7	109	67-130	
2-Butanone	40.0	44.0	110	41-151	
4-Methyl-2-pentanone	40.0	39.0	98	43-145	
sec-Butylbenzene	20.0	21.3	106	60-131	
Methyl tert-butyl ether	20.0	18.6	93	57-127	
Methylene Chloride	20.0	20.5	103	63-134	
o-Xylene	20.0	22.2	111	75-123	
Styrene	20.0	21.7	108	75-121	
tert-Butylbenzene	20.0	19.7	99	63-126	
Tetrachloroethene	20.0	18.2	91	70-125	
Toluene	20.0	22.5	112	79-122	
trans-1,2-Dichloroethene	20.0	20.7	104	74-130	
trans-1,3-Dichloropropene	20.0	18.4	92	64-120	
Trichloroethene	20.0	17.8	89	71-121	
Trichlorofluoromethane	20.0	15.9	80	52-148	
Vinyl acetate	20.0	20.2	101	44-160	
Vinyl chloride	20.0	20.3	101	61-134	
tert-Butyl alcohol	200	264	132	15-169	
Xylenes, Total	40.0	43.9	110	78-122	
Dibromochloromethane	20.0	19.7	98	75-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: BFB4108.D BFB Injection Date: 04/30/2019

Instrument ID: A3UX12 BFB Injection Time: 13:47

Analysis Batch No.: 378870

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	46.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	86.4	
175	5.0 - 9.0 % of mass 174	6.3	(7.3) 1
176	95.0 - 101.0 % of mass 174	83.6	(96.8) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-378870/8	U1269795.D	04/30/2019	14:10
	STD8260 240-378870/9	U1269796.D	04/30/2019	14:33
	STD8260 240-378870/10	U1269797.D	04/30/2019	14:55
	ICIS 240-378870/11	U1269798.D	04/30/2019	15:17
	STD8260 240-378870/12	U1269799.D	04/30/2019	15:39
	STD8260 240-378870/13	U1269800.D	04/30/2019	16:02
	STD8260 240-378870/14	U1269801.D	04/30/2019	16:24
	ICV 240-378870/15	U1269802.D	04/30/2019	16:46
	STDA9 240-378870/18	U1269805.D	04/30/2019	17:52
	STDA9 240-378870/19	U1269806a.D	04/30/2019	18:14
	STDA9 240-378870/20	U1269807.D	04/30/2019	18:37
	STDA9 240-378870/21	U1269808.D	04/30/2019	18:59
	STDA9 240-378870/22	U1269809.D	04/30/2019	19:21
	STDA9 240-378870/23	U1269810.D	04/30/2019	19:43
	STDA9 240-378870/24	U1269811.D	04/30/2019	20:05
	ICV 240-378870/25	U1269812.D	04/30/2019	20:27

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-378870/14	U1269801.D
Level 2	STD8260 240-378870/13	U1269800.D
Level 3	STD8260 240-378870/12	U1269799.D
Level 4	ICIS 240-378870/11	U1269798.D
Level 5	STD8260 240-378870/10	U1269797.D
Level 6	STD8260 240-378870/9	U1269796.D
Level 7	STD8260 240-378870/8	U1269795.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3633 0.4173	0.3307 0.4106	0.3625	0.3979	0.4130	Ave		0.3850			0.1000	8.6		20.0			
Chloromethane	+++++ 0.3349	0.3157 0.3582	0.3458	0.3237	0.3462	Ave		0.3374			0.1000	4.7		20.0			
Butadiene	0.3642 0.3859	0.3535 0.3787	0.3596	0.3692	0.3849	Ave		0.3709				3.4		20.0			
Vinyl chloride	0.3531 0.3876	0.3746 0.3870	0.3765	0.3716	0.3891	Ave		0.3771			0.1000	3.4		20.0			
Bromomethane	0.2359 0.2352	0.2527 0.1909	0.2447	0.2332	0.2368	Ave		0.2328			0.0500	8.5		20.0			
Chloroethane	0.2531 0.2446	0.2455 0.2027	0.2395	0.2349	0.2376	Ave		0.2368			0.0500	6.8		20.0			
Dichlorofluoromethane	0.4736 0.4813	0.4798 0.4585	0.4834	0.4616	0.4743	Ave		0.4732				2.1		20.0			
Trichlorofluoromethane	0.4112 0.4427	0.3928 0.4146	0.4217	0.4207	0.4388	Ave		0.4204			0.1000	4.0		20.0			
Ethyl ether	0.2685 0.2474	0.2624 0.2312	0.2543	0.2471	0.2570	Ave		0.2526				4.8		20.0			
Acrolein	0.0778 0.0735	0.0754 +++++	0.0774	0.0729	0.0759	Ave		0.0755				2.7		20.0			
1,1-Dichloroethene	0.4303 0.4053	0.4157 0.4052	0.4117	0.4077	0.4183	Ave		0.4135			0.1000	2.2		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.2628 0.2806	0.2614 0.2733	0.2761	0.2772	0.2842	Ave		0.2737			0.0500	3.2		20.0			
Acetone	+++++ 0.1421	0.2958 +++++	0.1578	0.1420	0.1462	Lin1	0.3105	0.1398			0.0100	2.7			1.0000		0.9900
Iodomethane	0.4620 0.4312	0.4507 0.4253	0.4283	0.4317	0.4473	Ave		0.4395				3.1		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, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

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								
Carbon disulfide	1.1582 0.8815	1.0493 0.8578	0.9096	0.8961	0.9091	Ave		0.9516			0.1000	11.6		20.0			
3-Chloro-1-propene	0.5306 0.4520	0.4842 0.4523	0.4599	0.4492	0.4714	Ave		0.4714				6.1		20.0			
Methyl acetate	0.3734 0.3369	0.3585 +++++	0.3445	0.3309	0.3439	Ave		0.3480			0.1000	4.4		20.0			
Methylene Chloride	+++++ 0.3493	1.2721 0.3463	0.4243	0.3723	0.3728	Lin1	0.9295	0.3363			0.1000	2.8			1.0000		0.9900
tert-Butyl alcohol	0.0805 0.0680	0.0761 +++++	0.0730	0.0700	0.0718	Ave		0.0732				6.1		20.0			
Acrylonitrile	0.1960 0.1727	0.1891 +++++	0.1798	0.1713	0.1778	Ave		0.1811				5.3		20.0			
trans-1,2-Dichloroethene	0.4388 0.3861	0.4327 0.3845	0.4006	0.3951	0.4062	Ave		0.4063			0.1000	5.3		20.0			
Methyl tert-butyl ether	0.8683 0.8061	0.8857 0.7696	0.8607	0.8334	0.8545	Ave		0.8398			0.1000	4.8		20.0			
Hexane	0.4565 0.4534	0.4143 0.4249	0.4503	0.4473	0.4579	Ave		0.4435				3.8		20.0			
1,1-Dichloroethane	0.5177 0.4943	0.5212 0.4907	0.5091	0.4989	0.5149	Ave		0.5067			0.2000	2.4		20.0			
Vinyl acetate	0.5580 0.5787	0.5728 +++++	0.5589	0.5619	0.5864	Ave		0.5694				2.1		20.0			
2,2-Dichloropropane	0.3469 0.3079	0.3283 0.3227	0.3273	0.3311	0.3375	Ave		0.3288				3.7		20.0			
cis-1,2-Dichloroethene	0.3560 0.3343	0.3649 0.3316	0.3413	0.3352	0.3475	Ave		0.3444			0.1000	3.6		20.0			
2-Butanone	0.0615 0.0642	0.0597 +++++	0.0632	0.0607	0.0645	Ave		0.0623			0.0100	3.2		20.0			
Bromochloromethane	0.2785 0.2285	0.2509 0.2244	0.2357	0.2316	0.2400	Ave		0.2413				7.7		20.0			
Tetrahydrofuran	0.1604 0.1508	0.1429 +++++	0.1501	0.1446	0.1514	Ave		0.1500				4.1		20.0			
Chloroform	0.5004 0.4703	0.4870 0.4731	0.4836	0.4829	0.4938	Ave		0.4844			0.2000	2.2		20.0			
1,1,1-Trichloroethane	0.3922 0.4192	0.4015 0.4179	0.4170	0.4276	0.4345	Ave		0.4157			0.1000	3.5		20.0			
Cyclohexane	0.5033 0.5135	0.4858 0.4766	0.5239	0.5157	0.5153	Ave		0.5049			0.1000	3.5		20.0			
1,1-Dichloropropene	0.4381 0.4050	0.4072 0.3945	0.4119	0.4049	0.4145	Ave		0.4109				3.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

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								
Carbon tetrachloride	0.3547 0.3535	0.3314 0.3513	0.3425	0.3636	0.3768	Ave		0.3534			0.1000	4.1		20.0			
Isobutyl alcohol	0.0214 0.0190	0.0189 +++++	0.0202	0.0197	0.0201	Ave		0.0199				4.6		20.0			
Benzene	1.2351 1.1561	1.2006 1.1376	1.1748	1.1526	1.1878	Ave		1.1778			0.5000	2.8		20.0			
1,2-Dichloroethane	0.3915 0.3540	0.3893 0.3393	0.3455	0.3539	0.3641	Ave		0.3625			0.1000	5.7		20.0			
n-Heptane	+++++ 0.2241	0.8189 0.2083	0.2765	0.2406	0.2291	Lin1	0.6210	0.2083				3.9			0.9990		0.9900
Trichloroethene	0.3459 0.3108	0.3166 0.3021	0.3026	0.3105	0.3179	Ave		0.3152			0.1500	4.7		20.0			
Methylcyclohexane	0.5757 0.5798	0.5136 0.5210	0.5842	0.5782	0.5985	Ave		0.5644			0.1000	5.9		20.0			
1,2-Dichloropropane	0.2504 0.2495	0.2406 0.2466	0.2499	0.2468	0.2580	Ave		0.2488			0.1000	2.1		20.0			
Dibromomethane	0.2511 0.2018	0.2266 0.1879	0.1970	0.2002	0.2123	Ave		0.2110				10.2		20.0			
1,4-Dioxane	0.0035 0.0040	0.0034 0.0038	0.0047	0.0044	0.0043	Ave		0.0040				12.1		20.0			
Bromodichloromethane	0.3369 0.3474	0.3224 0.3346	0.3359	0.3412	0.3584	Ave		0.3396			0.1500	3.3		20.0			
2-Chloroethyl vinyl ether	0.1875 0.1911	0.1776 0.1507	0.1862	0.1818	0.1895	Ave		0.1806				7.7		20.0			
cis-1,3-Dichloropropene	0.4366 0.4171	0.4107 0.3952	0.4011	0.4068	0.4265	Ave		0.4134			0.1500	3.5		20.0			
4-Methyl-2-pentanone	0.3839 0.3806	0.3808 +++++	0.3872	0.3769	0.3911	Ave		0.3834			0.0500	1.3		20.0			
Toluene	1.8023 1.6267	1.6891 1.6145	1.6659	1.6181	1.7001	Ave		1.6738			0.4000	4.0		20.0			
trans-1,3-Dichloropropene	0.5769 0.5343	0.5645 0.5065	0.5263	0.5262	0.5576	Ave		0.5418			0.1000	4.6		20.0			
Ethyl methacrylate	0.5226 0.5394	0.4946 0.4478	0.5518	0.5362	0.5613	Ave		0.5220				7.5		20.0			
1,1,2-Trichloroethane	0.3778 0.3286	0.3178 0.3033	0.3333	0.3248	0.3429	Ave		0.3327			0.1000	7.1		20.0			
Tetrachloroethene	0.4570 0.4417	0.4243 0.4396	0.4476	0.4415	0.4623	Ave		0.4449			0.1500	2.8		20.0			
1,3-Dichloropropane	0.6595 0.5804	0.5855 0.5367	0.5879	0.5738	0.6044	Ave		0.5898				6.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.4148 0.3823	0.3921 +++++	0.4171	0.3943	0.3992	Ave		0.4000			0.0500	3.4		20.0			
Dibromochloromethane	0.3436 0.3509	0.3261 0.3352	0.3393	0.3492	0.3738	Ave		0.3454				4.4		20.0			
1,2-Dibromoethane	0.3803 0.3593	0.3661 0.3178	0.3511	0.3562	0.3736	Ave		0.3578				5.7		20.0			
Chlorobenzene	1.1917 1.0431	1.0788 1.0358	1.0620	1.0437	1.1063	Ave		1.0802			0.3000	5.1		20.0			
1,1,1,2-Tetrachloroethane	0.3770 0.3768	0.3617 0.3870	0.3721	0.3706	0.3978	Ave		0.3776				3.1		20.0			
Ethylbenzene	0.6003 0.5897	0.5954 0.5969	0.6098	0.5997	0.6287	Ave		0.6029				2.1		20.0			
m-Xylene & p-Xylene	0.7152 0.7393	0.7520 0.7353	0.7549	0.7557	0.7836	Ave		0.7480				2.8		20.0			
o-Xylene	0.7592 0.7370	0.7654 0.7387	0.7487	0.7584	0.7848	Ave		0.7560				2.2		20.0			
Styrene	1.2553 1.2064	1.1402 1.1932	1.2030	1.2192	1.2715	Ave		1.2127			0.3000	3.5		20.0			
Bromoform	0.2213 0.2662	0.2350 0.2312	0.2485	0.2670	0.2802	Ave		0.2499			0.1000	8.7		20.0			
Isopropylbenzene	1.9470 1.9256	1.9183 1.9274	2.0090	1.9856	2.0675	Ave		1.9686			0.1000	2.8		20.0			
1,1,2,2-Tetrachloroethane	0.9347 1.0089	0.9925 0.8398	1.0421	1.0190	1.0529	Ave		0.9843			0.3000	7.6		20.0			
Bromobenzene	0.9090 0.8447	0.8758 0.8518	0.8455	0.8624	0.8771	Ave		0.8666				2.6		20.0			
1,2,3-Trichloropropane	0.3616 0.3604	0.3856 +++++	0.3726	0.3724	0.3827	Ave		0.3726				2.8		20.0			
trans-1,4-Dichloro-2-butene	0.3307 0.3153	0.3082 +++++	0.3131	0.3186	0.3275	Ave		0.3189				2.7		20.0			
n-Propylbenzene	0.9647 0.9889	0.9069 0.9978	0.9987	1.0115	1.0363	Ave		0.9864				4.2		20.0			
2-Chlorotoluene	0.8029 0.8162	0.7917 0.8480	0.8225	0.8298	0.8726	Ave		0.8263				3.3		20.0			
1,3,5-Trimethylbenzene	2.7098 2.8199	2.6571 2.8891	2.8991	2.9082	3.0109	Ave		2.8420				4.3		20.0			
4-Chlorotoluene	0.8644 0.8286	0.8857 0.8408	0.8361	0.8393	0.8746	Ave		0.8528				2.6		20.0			
tert-Butylbenzene	2.4839 2.5923	2.3390 2.6462	2.6216	2.6249	2.7660	Ave		2.5820				5.2		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, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.9044 2.8957	2.7731 2.9649	2.9896	2.9855	3.0915	Ave		2.9435				3.4		20.0			
sec-Butylbenzene	3.4931 3.7070	3.4481 3.7162	3.8562	3.8180	3.9769	Ave		3.7165				5.1		20.0			
1,3-Dichlorobenzene	1.8530 1.6328	1.7598 1.6496	1.6537	1.6730	1.7292	Ave		1.7073			0.6000	4.6		20.0			
p-Isopropyltoluene	2.9898 3.1812	3.0425 3.2731	3.2720	3.2957	3.4448	Ave		3.2142				4.9		20.0			
1,4-Dichlorobenzene	1.9866 1.6505	1.8499 1.6771	1.6636	1.7046	1.7595	Ave		1.7560			0.5000	7.0		20.0			
n-Butylbenzene	2.5658 2.7237	2.6277 2.8018	2.7646	2.7987	2.9054	Ave		2.7411				4.2		20.0			
1,2-Dichlorobenzene	1.8655 1.5698	1.6719 1.6169	1.5834	1.6103	1.6665	Ave		1.6549			0.4000	6.1		20.0			
1,2-Dibromo-3-Chloropropane	0.3275 0.3332	0.2864 +++++	0.3130	0.3187	0.3491	Ave		0.3213			0.0500	6.6		20.0			
1,2,4-Trichlorobenzene	1.2956 1.0915	1.2328 1.2075	1.0259	1.0636	1.1751	Ave		1.1560			0.2000	8.5		20.0			
Hexachlorobutadiene	0.5365 0.4716	0.6238 0.5042	0.4510	0.4832	0.5034	Ave		0.5105				11.1		20.0			
Naphthalene	3.8848 3.4986	3.9098 3.2717	3.4440	3.5237	3.8266	Ave		3.6227				6.9		20.0			
1,2,3-Trichlorobenzene	1.2332 0.9963	1.1549 1.1194	0.9312	0.9820	1.0736	Ave		1.0701				10.0		20.0			
Dibromofluoromethane (Surr)	+++++ 0.2632	0.2807 0.2572	0.2551	0.2667	0.2730	Ave		0.2660				3.6		20.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2956	0.3370 0.2788	0.2849	0.2939	0.3026	Ave		0.2988				6.9		20.0			
Toluene-d8 (Surr)	+++++ 1.3548	1.6210 1.3318	1.3946	1.3817	1.4168	Ave		1.4168				7.4		20.0			
4-Bromofluorobenzene (Surr)	+++++ 0.4999	0.6202 0.4892	0.5085	0.4983	0.5153	Ave		0.5219				9.4		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-378870/14	U1269801.D
Level 2	STD8260 240-378870/13	U1269800.D
Level 3	STD8260 240-378870/12	U1269799.D
Level 4	ICIS 240-378870/11	U1269798.D
Level 5	STD8260 240-378870/10	U1269797.D
Level 6	STD8260 240-378870/9	U1269796.D
Level 7	STD8260 240-378870/8	U1269795.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	11044 1567191	19984 2052069	224597	496091	1030351	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloromethane	FB	Ave	+++++ 1257715	19082 1789816	214265	403612	863765	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Butadiene	FB	Ave	11073 1449292	21365 1892418	222795	460371	960327	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl chloride	FB	Ave	10733 1455844	22643 1934142	233314	463335	970649	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromomethane	FB	Ave	7170 883232	15275 953805	151619	290732	590824	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloroethane	FB	Ave	7695 918797	14836 1012997	148379	292854	592754	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dichlorofluoromethane	FB	Ave	14396 1807740	29001 2290963	299518	575498	1183160	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Trichlorofluoromethane	FB	Ave	12502 1662729	23742 2071934	261265	524611	1094737	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl ether	FB	Ave	8163 929149	15857 1155554	157567	308106	641131	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acrolein	FB	Ave	11833 1380457	22786 +++++	239777	454386	946268	2.50 300	5.00 +++++	50.0	100	200
1,1-Dichloroethene	FB	Ave	13081 1522285	25123 2024854	255094	508373	1043595	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	7988 1054000	15799 1365935	171045	345600	708990	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acetone	FB	Lin1	+++++ 1067191	35750 +++++	195589	354093	729471	+++++ 120	2.00 +++++	20.0	40.0	80.0
Iodomethane	FB	Ave	14045 1619670	27241 2125484	265387	538227	1115860	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon disulfide	FB	Ave	35208 3310792	63418 4286373	563594	1117299	2267883	0.500 60.0	1.00 80.0	10.0	20.0	40.0

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

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
3-Chloro-1-propene	FB	Ave	16129 1697487	29262 2260088	284969	560067	1176034	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methyl acetate	FB	Ave	22700 2530486	43336 +++++	426943	825132	1715851	1.00 120	2.00 +++++	20.0	40.0	80.0
Methylene Chloride	FB	Lin1	+++++ 1311846	76885 1730659	262888	464186	930086	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butyl alcohol	FB	Ave	24459 2552659	46009 +++++	452013	872907	1790088	5.00 600	10.0 +++++	100	200	400
Acrylonitrile	FB	Ave	59579 6486159	114297 +++++	1113771	2135420	4436089	5.00 600	10.0 +++++	100	200	400
trans-1,2-Dichloroethene	FB	Ave	13341 1450217	26151 1921542	248232	492658	1013326	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methyl tert-butyl ether	FB	Ave	26396 3027404	53530 3846016	533312	1039087	2131851	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexane	FB	Ave	13878 1702774	25038 2123105	279012	557732	1142313	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloroethane	FB	Ave	15738 1856520	31501 2451944	315456	622049	1284657	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl acetate	FB	Ave	16963 2173371	34619 +++++	346293	700651	1462850	0.500 60.0	1.00 +++++	10.0	20.0	40.0
2,2-Dichloropropane	FB	Ave	10546 1156337	19842 1612711	202782	412857	841953	0.500 60.0	1.00 80.0	10.0	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	10822 1255612	22054 1657053	211496	417933	866934	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Butanone	FB	Ave	3739 482200	7212 +++++	78345	151425	322049	1.00 120	2.00 +++++	20.0	40.0	80.0
Bromochloromethane	FB	Ave	8465 858112	15161 1121143	146065	288735	598675	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrahydrofuran	FB	Ave	9753 1132369	17279 +++++	185955	360495	755334	1.00 120	2.00 +++++	20.0	40.0	80.0
Chloroform	FB	Ave	15213 1766502	29434 2363996	299618	602114	1231881	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1-Trichloroethane	FB	Ave	11924 1574408	24264 2088351	258363	533200	1083939	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Cyclohexane	FB	Ave	15299 1928649	29359 2381579	324586	642956	1285622	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloropropene	FB	Ave	13318 1521069	24613 1971517	255221	504905	1034085	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon tetrachloride	FB	Ave	10783 1327796	20029 1755611	212237	453383	940122	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isobutyl alcohol	FB	Ave	16262 1784970	28500 +++++	312412	615511	1254651	12.5 1500	25.0 +++++	250	500	1000

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

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
Benzene	FB	Ave	37546 4341955	72564 5684570	727951	1437120	2963156	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane	FB	Ave	11902 1329568	23529 1695389	214099	441298	908435	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Heptane	FB	Lin1	+++++ 841832	49490 1041160	171315	299975	571599	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Trichloroethene	FB	Ave	10516 1167306	19135 1509661	187506	387176	793097	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	17502 2177617	31043 2603437	361953	720921	1493017	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloropropane	FB	Ave	7613 937223	14544 1232396	154817	307704	643520	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromomethane	FB	Ave	7633 757811	13696 938835	122075	249664	529643	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,4-Dioxane	FB	Ave	2151 298901	4063 374894	58179	110260	212766	10.0 1200	20.0 1600	200	400	800
Bromodichloromethane	FB	Ave	10242 1304681	19488 1672281	208118	425494	894000	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chloroethyl vinyl ether	FB	Ave	11398 1435551	21468 1506274	230721	453314	945507	1.00 120	2.00 160	20.0	40.0	80.0
cis-1,3-Dichloropropene	FB	Ave	13273 1566673	24819 1974815	248543	507172	1063891	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Methyl-2-pentanone	FB	Ave	23343 2858560	46025 +++++	479830	939875	1951525	1.00 120	2.00 +++++	20.0	40.0	80.0
Toluene	CBNZ d5	Ave	36733 4263658	69512 5446274	693965	1384009	2883485	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	11758 1400355	23230 1708636	219235	450107	945703	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl methacrylate	CBNZ d5	Ave	10652 1413898	20354 1510478	229870	458650	952052	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloroethane	CBNZ d5	Ave	7700 861361	13079 1023274	138863	277803	581540	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrachloroethene	CBNZ d5	Ave	9314 1157587	17463 1482922	186459	377626	784044	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichloropropane	CBNZ d5	Ave	13441 1521180	24096 1810575	244890	490824	1025142	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Hexanone	CBNZ d5	Ave	16906 2004012	32274 +++++	347483	674546	1354308	1.00 120	2.00 +++++	20.0	40.0	80.0
Dibromochloromethane	CBNZ d5	Ave	7003 919717	13420 1130859	141322	298689	633936	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromoethane	CBNZ d5	Ave	7750 941630	15068 1071876	146267	304693	633639	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

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
Chlorobenzene	CBNZ d5	Ave	24288 2734043	44396 3494036	442384	892667	1876430	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	7683 987481	14884 1305612	154999	316979	674622	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethylbenzene	CBNZ d5	Ave	12234 1545630	24504 2013623	254036	512928	1066262	0.500 60.0	1.00 80.0	10.0	20.0	40.0
m-Xylene & p-Xylene	CBNZ d5	Ave	14577 1937780	30946 2480479	314453	646378	1329053	0.500 60.0	1.00 80.0	10.0	20.0	40.0
o-Xylene	CBNZ d5	Ave	15474 1931683	31499 2491810	311889	648657	1331003	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Styrene	CBNZ d5	Ave	25585 3161922	46924 4024869	501125	1042824	2156541	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromoform	CBNZ d5	Ave	4510 697809	9669 780055	103500	228364	475190	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isopropylbenzene	CBNZ d5	Ave	39682 5047046	78943 6501576	836910	1698359	3506656	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	10861 1444688	23506 1530842	237420	473524	982071	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromobenzene	DCBd 4	Ave	10562 1209647	20743 1552619	192642	400745	818090	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichloropropane	DCBd 4	Ave	4202 516092	9133 +++++	84888	173052	356976	0.500 60.0	1.00 +++++	10.0	20.0	40.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	3843 451551	7300 +++++	71337	148061	305416	0.500 60.0	1.00 +++++	10.0	20.0	40.0
n-Propylbenzene	DCBd 4	Ave	11209 1416141	21478 1818752	227545	470058	966595	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chlorotoluene	DCBd 4	Ave	9330 1168744	18750 1545785	187392	385627	813877	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	31487 4038075	62930 5266204	660502	1351432	2808258	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Chlorotoluene	DCBd 4	Ave	10044 1186575	20976 1532612	190484	390042	815761	0.500 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butylbenzene	DCBd 4	Ave	28862 3712091	55395 4823562	597272	1219799	2579873	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	33748 4146548	65676 5404391	681127	1387358	2883392	0.500 60.0	1.00 80.0	10.0	20.0	40.0
sec-Butylbenzene	DCBd 4	Ave	40589 5308368	81663 6773871	878572	1774243	3709245	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCBd 4	Ave	21531 2338079	41679 3006850	376754	777449	1612862	0.500 60.0	1.00 80.0	10.0	20.0	40.0
p-Isopropyltoluene	DCBd 4	Ave	34741 4555449	72056 5966210	745472	1531521	3212945	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

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
1,4-Dichlorobenzene	DCBd 4	Ave	23084 2363448	43811 3056952	379011	792152	1641044	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Butylbenzene	DCBd 4	Ave	29814 3900305	62232 5107201	629870	1300578	2709817	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCBd 4	Ave	21676 2247875	39597 2947208	360738	748334	1554362	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	3806 477069	6783 +++++	71305	148124	325575	0.500 60.0	1.00 +++++	10.0	20.0	40.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	15055 1562937	29197 2200965	233740	494279	1096024	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	DCBd 4	Ave	6234 675267	14773 918998	102755	224541	469488	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Naphthalene	DCBd 4	Ave	45140 5009873	92597 5963618	784648	1637491	3569051	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	14329 1426661	27351 2040460	212164	456339	1001370	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromofluoromethane (Surr)	FB	Ave	+++++ 988457	16968 1285236	158064	332600	680998	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 1110364	20365 1393127	176503	366398	754824	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Toluene-d8 (Surr)	CBNZ d5	Ave	+++++ 3550979	66709 4492583	580962	1181805	2403057	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	+++++ 1310206	25525 1650135	211821	426237	874019	+++++ 60.0	1.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-378870/14	U1269801.D
Level 2	STD8260 240-378870/13	U1269800.D
Level 3	STD8260 240-378870/12	U1269799.D
Level 4	ICIS 240-378870/11	U1269798.D
Level 5	STD8260 240-378870/10	U1269797.D
Level 6	STD8260 240-378870/9	U1269796.D
Level 7	STD8260 240-378870/8	U1269795.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Acetone	+++++ +++++	0.5						50				
Methylene Chloride	+++++	1.9						50				
n-Heptane	+++++	-5.0						50				

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-378870/15 Calibration Date: 04/30/2019 16:46

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 14:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 16:24

Lab File ID: U1269802.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3850	0.3222	0.1000	0.0167	0.0200	-16.3	30.0
Chloromethane	Ave	0.3374	0.3285	0.1000	0.0195	0.0200	-2.6	30.0
Butadiene	Ave	0.3709	0.3353		0.0181	0.0200	-9.6	30.0
Vinyl chloride	Ave	0.3771	0.3787	0.1000	0.0201	0.0200	0.4	30.0
Bromomethane	Ave	0.2328	0.2224	0.0500	0.0191	0.0200	-4.4	30.0
Chloroethane	Ave	0.2368	0.2302	0.0500	0.0194	0.0200	-2.8	30.0
Dichlorofluoromethane	Ave	0.4732	0.4997		0.0211	0.0200	5.6	30.0
Trichlorofluoromethane	Ave	0.4204	0.4076	0.1000	0.0194	0.0200	-3.0	30.0
Ethyl ether	Ave	0.2526	0.2615		0.0207	0.0200	3.5	30.0
Acrolein	Ave	0.0755	0.0650		0.0861	0.100	-13.9	30.0
1,1-Dichloroethene	Ave	0.4135	0.4227	0.1000	0.0204	0.0200	2.2	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2737	0.2804	0.0500	0.0205	0.0200	2.5	30.0
Acetone	Lin1		0.1555	0.0100	0.0423	0.0400	5.7	50.0
Iodomethane	Ave	0.4395	0.4317		0.0196	0.0200	-1.8	30.0
Carbon disulfide	Ave	0.9516	0.8606	0.1000	0.0181	0.0200	-9.6	30.0
3-Chloro-1-propene	Ave	0.4714	0.4556		0.0193	0.0200	-3.3	30.0
Methyl acetate	Ave	0.3480	0.3354	0.1000	0.0385	0.0400	-3.6	50.0
Methylene Chloride	Lin1		0.3744	0.1000	0.0195	0.0200	-2.5	50.0
tert-Butyl alcohol	Ave	0.0732	0.0784		0.214	0.200	7.1	30.0
Acrylonitrile	Ave	0.1811	0.1775		0.196	0.200	-2.0	30.0
trans-1,2-Dichloroethene	Ave	0.4063	0.4067	0.1000	0.0200	0.0200	0.0	30.0
Methyl tert-butyl ether	Ave	0.8398	0.8451	0.1000	0.0201	0.0200	0.6	30.0
Hexane	Ave	0.4435	0.4479		0.0202	0.0200	1.0	30.0
1,1-Dichloroethane	Ave	0.5067	0.5009	0.2000	0.0198	0.0200	-1.1	30.0
Vinyl acetate	Ave	0.5694	0.6286		0.0221	0.0200	10.4	30.0
2,2-Dichloropropane	Ave	0.3288	0.3089		0.0188	0.0200	-6.1	30.0
cis-1,2-Dichloroethene	Ave	0.3444	0.3344	0.1000	0.0194	0.0200	-2.9	30.0
2-Butanone	Ave	0.0623	0.0642	0.0100	0.0412	0.0400	3.1	50.0
Bromochloromethane	Ave	0.2413	0.2321		0.0192	0.0200	-3.8	30.0
Tetrahydrofuran	Ave	0.1500	0.1525		0.0407	0.0400	1.6	30.0
Chloroform	Ave	0.4844	0.4803	0.2000	0.0198	0.0200	-0.8	30.0
1,1,1-Trichloroethane	Ave	0.4157	0.4258	0.1000	0.0205	0.0200	2.4	30.0
Cyclohexane	Ave	0.5049	0.5068	0.1000	0.0201	0.0200	0.4	30.0
1,1-Dichloropropene	Ave	0.4109	0.4100		0.0200	0.0200	-0.2	30.0
Carbon tetrachloride	Ave	0.3534	0.3567	0.1000	0.0202	0.0200	0.9	30.0
Isobutyl alcohol	Ave	0.0199	0.0212		0.534	0.500	6.8	30.0
Benzene	Ave	1.178	1.160	0.5000	0.0197	0.0200	-1.5	30.0
1,2-Dichloroethane	Ave	0.3625	0.3568	0.1000	0.0197	0.0200	-1.6	30.0
n-Heptane	Lin1		0.2434		0.0204	0.0200	1.9	30.0
Trichloroethene	Ave	0.3152	0.3133	0.1500	0.0199	0.0200	-0.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-378870/15 Calibration Date: 04/30/2019 16:46

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 14:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 16:24

Lab File ID: U1269802.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.5644	0.5547	0.1000	0.0197	0.0200	-1.7	30.0
1,2-Dichloropropane	Ave	0.2488	0.2556	0.1000	0.0205	0.0200	2.7	30.0
Dibromomethane	Ave	0.2110	0.1998		0.0189	0.0200	-5.3	30.0
1,4-Dioxane	Ave	0.0040	0.0050		0.498	0.400	24.5	50.0
Bromodichloromethane	Ave	0.3396	0.3391	0.1500	0.0200	0.0200	-0.1	30.0
2-Chloroethyl vinyl ether	Ave	0.1806	0.1852		0.0205	0.0200	2.5	30.0
cis-1,3-Dichloropropene	Ave	0.4134	0.4266	0.1500	0.0206	0.0200	3.2	50.0
4-Methyl-2-pentanone	Ave	0.3834	0.3876	0.0500	0.0404	0.0400	1.1	50.0
Toluene	Ave	1.674	1.670	0.4000	0.0200	0.0200	-0.2	30.0
trans-1,3-Dichloropropene	Ave	0.5418	0.5319	0.1000	0.0196	0.0200	-1.8	30.0
Ethyl methacrylate	Ave	0.5220	0.5312		0.0204	0.0200	1.8	30.0
1,1,2-Trichloroethane	Ave	0.3327	0.3406	0.1000	0.0205	0.0200	2.4	30.0
Tetrachloroethene	Ave	0.4449	0.4485	0.1500	0.0202	0.0200	0.8	30.0
1,3-Dichloropropane	Ave	0.5898	0.5904		0.0200	0.0200	0.1	30.0
2-Hexanone	Ave	0.4000	0.4074	0.0500	0.0407	0.0400	1.9	50.0
Dibromochloromethane	Ave	0.3454	0.3577		0.0207	0.0200	3.6	30.0
1,2-Dibromoethane	Ave	0.3578	0.3607		0.0202	0.0200	0.8	30.0
Chlorobenzene	Ave	1.080	1.065	0.3000	0.0197	0.0200	-1.4	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3776	0.3797		0.0201	0.0200	0.6	30.0
Ethylbenzene	Ave	0.6029	0.6034		0.0200	0.0200	0.0	30.0
m-Xylene & p-Xylene	Ave	0.7480	0.7610		0.0203	0.0200	1.7	30.0
o-Xylene	Ave	0.7560	0.7537		0.0199	0.0200	-0.3	30.0
Styrene	Ave	1.213	1.155	0.3000	0.0191	0.0200	-4.7	30.0
Bromoform	Ave	0.2499	0.2587	0.1000	0.0207	0.0200	3.5	30.0
Isopropylbenzene	Ave	1.969	2.009	0.1000	0.0204	0.0200	2.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9843	1.035	0.3000	0.0210	0.0200	5.1	30.0
Bromobenzene	Ave	0.8666	0.8526		0.0197	0.0200	-1.6	30.0
1,2,3-Trichloropropane	Ave	0.3726	0.3857		0.0207	0.0200	3.5	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3189	0.3232		0.0203	0.0200	1.4	30.0
n-Propylbenzene	Ave	0.9864	1.003		0.0203	0.0200	1.7	30.0
2-Chlorotoluene	Ave	0.8263	0.8265		0.0200	0.0200	0.0	30.0
1,3,5-Trimethylbenzene	Ave	2.842	2.880		0.0203	0.0200	1.3	30.0
4-Chlorotoluene	Ave	0.8528	0.8188		0.0192	0.0200	-4.0	30.0
tert-Butylbenzene	Ave	2.582	2.643		0.0205	0.0200	2.4	30.0
1,2,4-Trimethylbenzene	Ave	2.944	2.923		0.0199	0.0200	-0.7	30.0
sec-Butylbenzene	Ave	3.717	3.788		0.0204	0.0200	1.9	30.0
1,3-Dichlorobenzene	Ave	1.707	1.638	0.6000	0.0192	0.0200	-4.1	30.0
p-Isopropyltoluene	Ave	3.214	3.318		0.0206	0.0200	3.2	30.0
1,4-Dichlorobenzene	Ave	1.756	1.667	0.5000	0.0190	0.0200	-5.0	30.0
n-Butylbenzene	Ave	2.741	2.726		0.0199	0.0200	-0.6	30.0
1,2-Dichlorobenzene	Ave	1.655	1.606	0.4000	0.0194	0.0200	-2.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-378870/15 Calibration Date: 04/30/2019 16:46

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 14:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 16:24

Lab File ID: U1269802.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.3213	0.3347	0.0500	0.0208	0.0200	4.2	50.0
1,2,4-Trichlorobenzene	Ave	1.156	1.069	0.2000	0.0185	0.0200	-7.5	50.0
Hexachlorobutadiene	Ave	0.5105	0.4509		0.0177	0.0200	-11.7	50.0
Naphthalene	Ave	3.623	3.581		0.0198	0.0200	-1.2	50.0
1,2,3-Trichlorobenzene	Ave	1.070	0.9941		0.0186	0.0200	-7.1	30.0
Dibromofluoromethane (Surr)	Ave	0.2660	0.2632		0.0198	0.0200	-1.1	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2988	0.2950		0.0197	0.0200	-1.3	30.0
Toluene-d8 (Surr)	Ave	1.417	1.397		0.0197	0.0200	-1.4	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5219	0.5000		0.0192	0.0200	-4.2	30.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 17:52 Calibration End Date: 04/30/2019 20:05 Calibration ID: 50829

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-378870/24	U1269811.D
Level 2	STDA9 240-378870/23	U1269810.D
Level 3	STDA9 240-378870/22	U1269809.D
Level 4	STDA9 240-378870/21	U1269808.D
Level 5	STDA9 240-378870/20	U1269807.D
Level 6	STDA9 240-378870/19	U1269806a.D
Level 7	STDA9 240-378870/18	U1269805.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								
Acetonitrile	+++++ 0.0577	0.1078 0.0596	0.0682	0.0691	0.0636	Lin1	0.5602	0.0598				9.5			0.9970		0.9900
Diisopropyl ether	0.2929 0.2738	0.2765 0.2696	0.2366	0.2613	0.2780	Ave		0.2698				6.5		20.0			
2-Chloro-1,3-butadiene	0.4786 0.4680	0.4584 0.4733	0.3826	0.4441	0.4787	Ave		0.4548				7.5		20.0			
Ethyl-t-butyl ether (ETBE)	0.9231 0.8774	0.9560 0.8757	0.7996	0.8502	0.8967	Ave		0.8827				5.7		20.0			
Ethyl acetate	0.3760 0.3469	0.3982 0.3449	0.3438	0.3893	0.3652	Ave		0.3663				6.1		20.0			
Propionitrile	+++++ 0.0732	0.1272 0.0718	0.0809	0.0836	0.0763	Lin1	0.6174	0.0731				7.6			0.9980		0.9900
Methacrylonitrile	0.2701 0.2172	0.3179 0.2133	0.2341	0.2476	0.2295	Ave		0.2471				14.8		20.0			
Tert-amyl-methyl ether (TAME)	0.9292 0.8961	1.0049 0.8887	0.8413	0.8660	0.9194	Ave		0.9065				5.8		20.0			
n-Butanol	+++++ 0.0209	0.0329 0.0206	0.0222	0.0238	0.0217	Ave		0.0237				19.8		20.0			
Ethyl acrylate	0.3529 0.3862	0.3726 0.3785	0.3551	0.4376	0.4033	Ave		0.3838				7.7		20.0			
Methyl methacrylate	0.2476 0.2428	0.2675 0.2448	0.2382	0.2817	0.2626	Ave		0.2550				6.2		20.0			
2-Nitropropane	0.0709 0.0758	0.0875 0.0776	0.0674	0.0807	0.0782	Ave		0.0769				8.5		20.0			
n-Butyl acetate	0.6652 0.7069	0.7222 0.6984	0.6558	0.7261	0.7418	Ave		0.7023				4.5		20.0			
1-Chlorohexane	0.6537 0.5756	0.5752 0.5744	0.4577	0.5686	0.5992	Ave		0.5721				10.2		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, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 17:52 Calibration End Date: 04/30/2019 20:05 Calibration ID: 50829

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								
Cyclohexanone	+++++ 0.0254	0.0488 0.0260	0.0323	0.0327	0.0271	Lin1	0.2887	0.0263				16.6			0.9940		0.9900
Pentachloroethane	0.4041 0.4805	0.3994 0.4895	0.3847	0.4448	0.5013	Ave		0.4435				10.8		20.0			
1,2,3-Trimethylbenzene	3.0615 3.0093	2.9218 3.0278	2.5419	2.9248	3.1903	Ave		2.9539				6.9		20.0			
Benzyl chloride	2.0905 2.1764	2.1592 2.2087	1.9104	2.1155	2.2664	Ave		2.1325				5.3		20.0			
1,3,5-Trichlorobenzene	1.4854 1.1716	1.4735 1.1754	1.0388	1.2095	1.2541	Ave		1.2583				13.1		20.0			
2-Methylnaphthalene	+++++ 1.7667	4.7158 1.7419	2.2446	2.4328	1.9992	Ave		2.4835				45.3	*	20.0			
1-Chloro-1-fluoroethane TIC	0.2127 0.2309	0.2361 0.2314	0.1893	0.2219	0.2344	Ave		0.2224				7.5		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, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 17:52 Calibration End Date: 04/30/2019 20:05 Calibration ID: 50829

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-378870/24	U1269811.D
Level 2	STDA9 240-378870/23	U1269810.D
Level 3	STDA9 240-378870/22	U1269809.D
Level 4	STDA9 240-378870/21	U1269808.D
Level 5	STDA9 240-378870/20	U1269807.D
Level 6	STDA9 240-378870/19	U1269806a.D
Level 7	STDA9 240-378870/18	U1269805.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
Acetonitrile	FB	Lin1	+++++ 2101087	63285 2937339	409382	871009	1532543	+++++ 600	10.0 800	100	200	400
Diisopropyl ether	FB	Ave	8647 996957	16227 1328252	141946	329172	669786	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	14129 1704173	26905 2331461	229589	559516	1153399	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl-t-butyl ether (ETBE)	FB	Ave	27251 3195035	56113 4314222	479805	1071213	2160558	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl acetate	FB	Ave	22198 2526193	46743 3398125	412608	980925	1760036	1.00 120	2.00 160	20.0	40.0	80.0
Propionitrile	FB	Lin1	+++++ 2665338	74659 3538021	485430	1053523	1837399	+++++ 600	10.0 800	100	200	400
Methacrylonitrile	FB	Ave	79733 7907632	186608 10507625	1404926	3119038	5530137	5.00 600	10.0 800	100	200	400
Tert-amyl-methyl ether (TAME)	FB	Ave	27432 3262969	58983 4378322	504826	1091058	2215191	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Butanol	FB	Ave	+++++ 1898282	48347 2536242	333535	748361	1305583	+++++ 1500	25.0 2000	250	500	1000
Ethyl acrylate	FB	Ave	10419 1406385	21871 1864766	213092	551287	971753	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methyl methacrylate	FB	Ave	14620 1767987	31407 2411882	285867	709925	1265557	1.00 120	2.00 160	20.0	40.0	80.0
2-Nitropropane	FB	Ave	4184 551865	10267 764598	80875	203229	377049	1.00 120	2.00 160	20.0	40.0	80.0
n-Butyl acetate	CBNZ d5	Ave	12754 1668759	27432 2199815	254037	629474	1173240	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1-Chlorohexane	CBNZ d5	Ave	12533 1358865	21851 1809238	177328	492974	947724	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Cyclohexanone	CBNZ d5	Lin1	+++++ 599459	18555 818532	124978	283168	429161	+++++ 600	10.0 800	100	200	400

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 17:52 Calibration End Date: 04/30/2019 20:05 Calibration ID: 50829

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
Pentachloroethane	DCBd 4	Ave	8865 1304124	17876 1762320	166979	425029	878170	1.00 120	2.00 160	20.0	40.0	80.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	33584 4083704	65393 5450282	551639	1397402	2794328	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Benzyl chloride	DCBd 4	Ave	22933 2953444	48324 3975844	414592	1010740	1985115	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	16295 1589890	32979 2115775	225441	577890	1098427	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Methylnaphthalene	DCBd 4	Ave	+++++ 4794940	211087 6271239	974233	2324694	3502147	+++++ 120	2.00 160	20.0	40.0	80.0
1-Chloro-1-fluoroethane TIC	FB	Ave	6280 840871	13857 1139881	113596	279594	564873	0.500 60.0	1.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 17:52 Calibration End Date: 04/30/2019 20:05 Calibration ID: 50829

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-378870/24	U1269811.D
Level 2	STDA9 240-378870/23	U1269810.D
Level 3	STDA9 240-378870/22	U1269809.D
Level 4	STDA9 240-378870/21	U1269808.D
Level 5	STDA9 240-378870/20	U1269807.D
Level 6	STDA9 240-378870/19	U1269806a.D
Level 7	STDA9 240-378870/18	U1269805.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Acetonitrile	+++++	-13.3						50				
Propionitrile	+++++	-10.5						50				
Cyclohexanone	+++++	-23.9						50				

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-378870/25 Calibration Date: 04/30/2019 20:27

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 14:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 16:24

Lab File ID: U1269812.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.2660	0.2521		0.0190	0.0200	-5.2	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2988	0.2907		0.0195	0.0200	-2.7	30.0
Toluene-d8 (Surr)	Ave	1.417	1.342		0.0189	0.0200	-5.3	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5219	0.4893		0.0188	0.0200	-6.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-378870/25 Calibration Date: 04/30/2019 20:27

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 17:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 20:05

Lab File ID: U1269812.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Lin1		0.0552		0.175	0.200	-12.3	30.0
Diisopropyl ether	Ave	0.2698	0.2559		0.0190	0.0200	-5.2	30.0
2-Chloro-1,3-butadiene	Ave	0.4548	0.4546		0.0200	0.0200	-0.0	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.8827	0.8165		0.0185	0.0200	-7.5	30.0
Ethyl acetate	Ave	0.3663	0.3852		0.0421	0.0400	5.1	30.0
Propionitrile	Lin1		0.0721		0.189	0.200	-5.7	30.0
Methacrylonitrile	Ave	0.2471	0.2359		0.191	0.200	-4.5	30.0
Tert-amyl-methyl ether (TAME)	Ave	0.9065	0.8735		0.0193	0.0200	-3.6	30.0
n-Butanol	Ave	0.0237	0.0184		0.388	0.500	-22.4	30.0
Ethyl acrylate	Ave	0.3838	0.4392		0.0229	0.0200	14.4	30.0
Methyl methacrylate	Ave	0.2550	0.2817		0.0442	0.0400	10.4	30.0
2-Nitropropane	Ave	0.0769	0.0706		0.0368	0.0400	-8.1	30.0
n-Butyl acetate	Ave	0.7023	0.7079		0.0202	0.0200	0.8	30.0
1-Chlorohexane	Ave	0.5721	0.5724		0.0200	0.0200	0.0	30.0
Cyclohexanone	Lin1		0.0233		0.166	0.200	-16.8	30.0
Pentachloroethane	Ave	0.4435	0.4317		0.0389	0.0400	-2.7	30.0
1,2,3-Trimethylbenzene	Ave	2.954	2.951		0.0200	0.0200	-0.1	30.0
Benzyl chloride	Ave	2.132	1.954		0.0183	0.0200	-8.4	30.0
1,3,5-Trichlorobenzene	Ave	1.258	1.110		0.0176	0.0200	-11.8	30.0
2-Methylnaphthalene	Ave	2.484	1.588		0.0256	0.0400	-36.1*	30.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: BFB4419.D BFB Injection Date: 06/25/2020

Instrument ID: A3UX12 BFB Injection Time: 15:52

Analysis Batch No.: 440074

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.6	
75	30.0 - 60.0 % of mass 95	51.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	80.2	
175	5.0 - 9.0 % of mass 174	6.3	(7.9) 1
176	95.0 - 101.0 % of mass 174	79.0	(98.5) 1
177	5.0 - 9.0 % of mass 176	5.2	(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
	CCV 240-440074/3	U1278701.D	06/25/2020	16:14
	CCVIS 240-440074/4	U1278702.D	06/25/2020	16:36
	LCS 240-440074/5	U1278703a.D	06/25/2020	16:58
	MB 240-440074/8	U1278706.D	06/25/2020	18:06
MSA-SW40D-061520	240-131928-12	U1278726.D	06/26/2020	1:34
MSA-SW41A-061520	240-131928-13	U1278727.D	06/26/2020	1:56
MSA-SW41B-061520	240-131928-14	U1278728.D	06/26/2020	2:19
MSA-SW41C-061520	240-131928-15	U1278729.D	06/26/2020	2:41
MSA-SW41D-061520	240-131928-16	U1278730.D	06/26/2020	3:04

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCV 240-440074/3 Calibration Date: 06/25/2020 16:14

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 17:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 20:05

Lab File ID: U1278701.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Lin1		0.0659		0.211	0.200	5.5	20.0
Diisopropyl ether	Ave	0.2698	0.2613		0.0194	0.0200	-3.2	20.0
2-Chloro-1,3-butadiene	Ave	0.4548	0.5099		0.0224	0.0200	12.1	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.8827	0.8823		0.0200	0.0200	-0.0	20.0
Ethyl acetate	Ave	0.3663	0.3712		0.0405	0.0400	1.3	20.0
Propionitrile	Lin1		0.0802		0.211	0.200	5.4	20.0
Methacrylonitrile	Ave	0.2471	0.2557		0.207	0.200	3.5	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.9065	0.9229		0.0204	0.0200	1.8	20.0
n-Butanol	Ave	0.0237	0.0215		0.454	0.500	-9.2	20.0
Ethyl acrylate	Ave	0.3838	0.4004		0.0209	0.0200	4.3	20.0
Methyl methacrylate	Ave	0.2550	0.2767		0.0434	0.0400	8.5	20.0
2-Nitropropane	Ave	0.0769	0.0803		0.0418	0.0400	4.5	20.0
n-Butyl acetate	Ave	0.7023	0.7517		0.0214	0.0200	7.0	20.0
1-Chlorohexane	Ave	0.5721	0.5800		0.0203	0.0200	1.4	20.0
Cyclohexanone	Lin1		0.0305		0.221	0.200	10.5	20.0
Pentachloroethane	Ave	0.4435	0.4459		0.0402	0.0400	0.6	20.0
1,2,3-Trimethylbenzene	Ave	2.954	2.853		0.0193	0.0200	-3.4	20.0
Benzyl chloride	Ave	2.132	1.898		0.0178	0.0200	-11.0	20.0
1,3,5-Trichlorobenzene	Ave	1.258	1.135		0.0180	0.0200	-9.8	20.0
2-Methylnaphthalene	Ave	2.484	1.919		0.0309	0.0400	-22.7*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440074/4 Calibration Date: 06/25/2020 16:36

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 14:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 16:24

Lab File ID: U1278702.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3850	0.3075	0.1000	0.0160	0.0200	-20.1*	20.0
Chloromethane	Ave	0.3374	0.4504	0.1000	0.0267	0.0200	33.5*	20.0
Butadiene	Ave	0.3709	0.3167		0.0171	0.0200	-14.6	20.0
Vinyl chloride	Ave	0.3771	0.3300	0.1000	0.0175	0.0200	-12.5	20.0
Bromomethane	Ave	0.2328	0.2116	0.0500	0.0182	0.0200	-9.1	20.0
Chloroethane	Ave	0.2368	0.2284	0.0500	0.0193	0.0200	-3.6	20.0
Dichlorofluoromethane	Ave	0.4732	0.5139		0.0217	0.0200	8.6	20.0
Trichlorofluoromethane	Ave	0.4204	0.4087	0.1000	0.0194	0.0200	-2.8	20.0
Ethyl ether	Ave	0.2526	0.2627		0.0208	0.0200	4.0	20.0
Acrolein	Ave	0.0755	0.0470		0.0622	0.100	-37.8*	20.0
1,1-Dichloroethene	Ave	0.4135	0.4343	0.1000	0.0210	0.0200	5.0	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2737	0.2838	0.0500	0.0207	0.0200	3.7	20.0
Acetone	Lin1		0.1713	0.0100	0.0468	0.0400	17.0	50.0
Iodomethane	Ave	0.4395	0.4434		0.0202	0.0200	0.9	20.0
Carbon disulfide	Ave	0.9516	0.8133	0.1000	0.0171	0.0200	-14.5	20.0
3-Chloro-1-propene	Ave	0.4714	0.4657		0.0198	0.0200	-1.2	20.0
Methyl acetate	Ave	0.3480	0.3519	0.1000	0.0404	0.0400	1.1	50.0
Methylene Chloride	Lin1		0.3829	0.1000	0.0200	0.0200	0.0	50.0
tert-Butyl alcohol	Ave	0.0732	0.0611		0.167	0.200	-16.5	20.0
Acrylonitrile	Ave	0.1811	0.1797		0.198	0.200	-0.8	20.0
trans-1,2-Dichloroethene	Ave	0.4063	0.4260	0.1000	0.0210	0.0200	4.9	20.0
Methyl tert-butyl ether	Ave	0.8398	0.8920	0.1000	0.0212	0.0200	6.2	20.0
Hexane	Ave	0.4435	0.4302		0.0194	0.0200	-3.0	20.0
1,1-Dichloroethane	Ave	0.5067	0.5398	0.2000	0.0213	0.0200	6.5	20.0
Vinyl acetate	Ave	0.5694	0.5963		0.0209	0.0200	4.7	20.0
2,2-Dichloropropane	Ave	0.3288	0.3604		0.0219	0.0200	9.6	20.0
cis-1,2-Dichloroethene	Ave	0.3444	0.3309	0.1000	0.0192	0.0200	-3.9	20.0
2-Butanone	Ave	0.0623	0.0625	0.0100	0.0401	0.0400	0.3	50.0
Bromochloromethane	Ave	0.2413	0.2623		0.0217	0.0200	8.7	20.0
Tetrahydrofuran	Ave	0.1500	0.1526		0.0407	0.0400	1.7	20.0
Chloroform	Ave	0.4844	0.5067	0.2000	0.0209	0.0200	4.6	20.0
1,1,1-Trichloroethane	Ave	0.4157	0.4303	0.1000	0.0207	0.0200	3.5	20.0
Cyclohexane	Ave	0.5049	0.5064	0.1000	0.0201	0.0200	0.3	20.0
1,1-Dichloropropene	Ave	0.4109	0.4217		0.0205	0.0200	2.6	20.0
Carbon tetrachloride	Ave	0.3534	0.3618	0.1000	0.0205	0.0200	2.4	20.0
Isobutyl alcohol	Ave	0.0199	0.0210		0.529	0.500	5.8	20.0
Benzene	Ave	1.178	1.187	0.5000	0.0201	0.0200	0.7	20.0
1,2-Dichloroethane	Ave	0.3625	0.3893	0.1000	0.0215	0.0200	7.4	20.0
n-Heptane	Lin1		0.2066		0.0169	0.0200	-15.7	20.0
Trichloroethene	Ave	0.3152	0.2992	0.1500	0.0190	0.0200	-5.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440074/4 Calibration Date: 06/25/2020 16:36

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 14:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 16:24

Lab File ID: U1278702.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.5644	0.5389	0.1000	0.0191	0.0200	-4.5	20.0
1,2-Dichloropropane	Ave	0.2488	0.2562	0.1000	0.0206	0.0200	3.0	20.0
Dibromomethane	Ave	0.2110	0.1890		0.0179	0.0200	-10.4	20.0
1,4-Dioxane	Ave	0.0040	0.0049		0.488	0.400	22.0	50.0
Bromodichloromethane	Ave	0.3396	0.3315	0.1500	0.0195	0.0200	-2.4	20.0
2-Chloroethyl vinyl ether	Ave	0.1806	0.1756		0.0389	0.0400	-2.8	20.0
cis-1,3-Dichloropropene	Ave	0.4134	0.3911	0.1500	0.0189	0.0200	-5.4	50.0
4-Methyl-2-pentanone	Ave	0.3834	0.4128	0.0500	0.0431	0.0400	7.7	50.0
Toluene	Ave	1.674	1.628	0.4000	0.0195	0.0200	-2.7	20.0
trans-1,3-Dichloropropene	Ave	0.5418	0.5211	0.1000	0.0192	0.0200	-3.8	20.0
Ethyl methacrylate	Ave	0.5220	0.5561		0.0213	0.0200	6.5	20.0
1,1,2-Trichloroethane	Ave	0.3327	0.3213	0.1000	0.0193	0.0200	-3.4	20.0
Tetrachloroethene	Ave	0.4449	0.4211	0.1500	0.0189	0.0200	-5.4	20.0
1,3-Dichloropropane	Ave	0.5898	0.5951		0.0202	0.0200	0.9	20.0
2-Hexanone	Ave	0.4000	0.4214	0.0500	0.0421	0.0400	5.4	50.0
Dibromochloromethane	Ave	0.3454	0.3326		0.0193	0.0200	-3.7	20.0
1,2-Dibromoethane	Ave	0.3578	0.3421		0.0191	0.0200	-4.4	20.0
Chlorobenzene	Ave	1.080	1.036	0.3000	0.0192	0.0200	-4.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3776	0.3725		0.0197	0.0200	-1.3	20.0
Ethylbenzene	Ave	0.6029	0.5891		0.0195	0.0200	-2.3	20.0
m-Xylene & p-Xylene	Ave	0.7480	0.7330		0.0196	0.0200	-2.0	20.0
o-Xylene	Ave	0.7560	0.7447		0.0197	0.0200	-1.5	20.0
Styrene	Ave	1.213	1.151	0.3000	0.0190	0.0200	-5.1	20.0
Bromoform	Ave	0.2499	0.2316	0.1000	0.0185	0.0200	-7.3	20.0
Isopropylbenzene	Ave	1.969	1.929	0.1000	0.0196	0.0200	-2.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9843	1.010	0.3000	0.0205	0.0200	2.6	20.0
Bromobenzene	Ave	0.8666	0.7765		0.0179	0.0200	-10.4	20.0
1,2,3-Trichloropropane	Ave	0.3726	0.3546		0.0190	0.0200	-4.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3189	0.2546		0.0160	0.0200	-20.2*	20.0
n-Propylbenzene	Ave	0.9864	0.9415		0.0191	0.0200	-4.5	20.0
2-Chlorotoluene	Ave	0.8263	0.7777		0.0188	0.0200	-5.9	20.0
1,3,5-Trimethylbenzene	Ave	2.842	2.720		0.0191	0.0200	-4.3	20.0
4-Chlorotoluene	Ave	0.8528	0.7778		0.0182	0.0200	-8.8	20.0
tert-Butylbenzene	Ave	2.582	2.301		0.0178	0.0200	-10.9	20.0
1,2,4-Trimethylbenzene	Ave	2.944	2.744		0.0186	0.0200	-6.8	20.0
sec-Butylbenzene	Ave	3.717	3.425		0.0184	0.0200	-7.8	20.0
1,3-Dichlorobenzene	Ave	1.707	1.510	0.6000	0.0177	0.0200	-11.5	20.0
p-Isopropyltoluene	Ave	3.214	2.999		0.0187	0.0200	-6.7	20.0
1,4-Dichlorobenzene	Ave	1.756	1.538	0.5000	0.0175	0.0200	-12.4	20.0
n-Butylbenzene	Ave	2.741	2.508		0.0183	0.0200	-8.5	20.0
1,2-Dichlorobenzene	Ave	1.655	1.538	0.4000	0.0186	0.0200	-7.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440074/4 Calibration Date: 06/25/2020 16:36

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 14:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 16:24

Lab File ID: U1278702.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.3213	0.2805	0.0500	0.0175	0.0200	-12.7	50.0
1,2,4-Trichlorobenzene	Ave	1.156	0.997	0.2000	0.0172	0.0200	-13.8	50.0
Hexachlorobutadiene	Ave	0.5105	0.3410		0.0134	0.0200	-33.2	50.0
Naphthalene	Ave	3.623	3.451		0.0191	0.0200	-4.7	50.0
1,2,3-Trichlorobenzene	Ave	1.070	0.9826		0.0184	0.0200	-8.2	20.0
Dibromofluoromethane (Surr)	Ave	0.2660	0.2578		0.0194	0.0200	-3.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2988	0.3120		0.0209	0.0200	4.4	20.0
Toluene-d8 (Surr)	Ave	1.417	1.328		0.0187	0.0200	-6.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5219	0.4804		0.0184	0.0200	-8.0	20.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: BFB6395.D BFB Injection Date: 05/18/2020

Instrument ID: A3UX16 BFB Injection Time: 08:55

Analysis Batch No.: 434666

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.0	
75	30.0 - 60.0 % of mass 95	48.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	77.0	
175	5.0 - 9.0 % of mass 174	5.7	(7.4) 1
176	95.0 - 101.0 % of mass 174	74.1	(96.2) 1
177	5.0 - 9.0 % of mass 176	4.5	(6.1) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-434666/9	UXM27982.D	05/18/2020	9:45
	STD8260 240-434666/10	UXM27983.D	05/18/2020	10:10
	STD8260 240-434666/11	UXM27984.D	05/18/2020	10:34
	ICIS 240-434666/12	UXM27985.D	05/18/2020	10:59
	STD8260 240-434666/13	UXM27986.D	05/18/2020	11:24
	STD8260 240-434666/14	UXM27987.D	05/18/2020	11:48
	STD8260 240-434666/15	UXM27988.D	05/18/2020	12:13
	STDA9 240-434666/19	UXM27992.D	05/18/2020	13:52
	STDA9 240-434666/20	UXM27993.D	05/18/2020	14:17
	STDA9 240-434666/21	UXM27994.D	05/18/2020	14:42
	STDA9 240-434666/22	UXM27995.D	05/18/2020	15:07
	STDA9 240-434666/23	UXM27996.D	05/18/2020	15:31
	STDA9 240-434666/24	UXM27997.D	05/18/2020	15:56
	ICV 240-434666/25	UXM27998.D	05/18/2020	16:21

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-434666/15	UXM27988.D
Level 2	STD8260 240-434666/14	UXM27987.D
Level 3	STD8260 240-434666/13	UXM27986.D
Level 4	ICIS 240-434666/12	UXM27985.D
Level 5	STD8260 240-434666/11	UXM27984.D
Level 6	STD8260 240-434666/10	UXM27983.D
Level 7	STD8260 240-434666/9	UXM27982.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3060 0.3885	0.3668 0.3529	0.4201	0.4469	0.4111	Ave		0.3846			0.1000	12.3		20.0			
Chloromethane	0.4789 0.3892	0.4828 0.3718	0.4478	0.4378	0.4404	Ave		0.4355			0.1000	9.6		20.0			
Vinyl chloride	0.4188 0.4659	0.4573 0.4564	0.4854	0.5064	0.5139	Ave		0.4720			0.1000	6.9		20.0			
Butadiene	0.3569 0.4174	0.3867 0.4025	0.4205	0.4338	0.4532	Ave		0.4102				7.7		20.0			
Bromomethane	0.2466 +++++	0.2621 +++++	0.2392	0.2372	0.2573	Ave		0.2485			0.0500	4.4		20.0			
Chloroethane	0.1911 0.2320	0.2186 0.2355	0.2285	0.2390	0.2444	Ave		0.2270			0.0500	7.8		20.0			
Dichlorofluoromethane	0.4933 0.5177	0.5286 0.5144	0.5285	0.5583	0.5623	Ave		0.5290				4.6		20.0			
Trichlorofluoromethane	0.3838 0.4914	0.4343 0.4633	0.5147	0.5362	0.5226	Ave		0.4780			0.1000	11.4		20.0			
Ethyl ether	0.1634 0.2068	0.1862 0.2060	0.2077	0.2141	0.2234	Ave		0.2011				10.0		20.0			
Acrolein	0.0359 0.0408	0.0374 0.0399	0.0391	0.0383	0.0436	Ave		0.0393				6.3		20.0			
1,1-Dichloroethene	0.2421 0.2754	0.2667 0.2687	0.2797	0.2922	0.2961	Ave		0.2744			0.1000	6.6		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2283	0.1925 0.2075	0.2423	0.2574	0.2367	Ave		0.2274			0.0500	10.5		20.0			
Acetone	+++++ 0.0215	0.0326 0.0224	0.0228	0.0226	0.0241	Ave		0.0243			0.0100	17.0		20.0			
Iodomethane	0.3065 0.3517	0.3145 0.3312	0.3016	0.3549	0.3657	Ave		0.3323				7.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

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								
Carbon disulfide	0.9180 0.8984	0.9325 0.8804	0.9222	0.9440	0.9742	Ave		0.9242			0.1000	3.3		20.0			
Methyl acetate	0.1593 0.1651	0.1673 0.1664	0.1684	0.1663	0.1760	Ave		0.1670			0.1000	3.0		20.0			
3-Chloro-1-propene	0.3675 0.3935	0.4048 0.3863	0.3814	0.4035	0.4169	Ave		0.3934				4.2		20.0			
Methylene Chloride	0.3315 0.2955	0.3360 0.2916	0.3052	0.3075	0.3192	Ave		0.3124			0.1000	5.5		20.0			
2-Methyl-2-propanol	0.0203 0.0238	0.0233 0.0236	0.0252	0.0231	0.0256	Ave		0.0235				7.4		20.0			
Acrylonitrile	0.0896 0.1014	0.0978 0.1019	0.0987	0.0997	0.1073	Ave		0.0995				5.4		20.0			
Methyl tert-butyl ether	0.6135 0.8113	0.6730 0.8143	0.7680	0.7895	0.8586	Ave		0.7612			0.1000	11.4		20.0			
trans-1,2-Dichloroethene	0.3170 0.3200	0.3190 0.3205	0.3251	0.3356	0.3429	Ave		0.3257			0.1000	3.0		20.0			
Hexane	+++++ 0.4357	0.2946 0.4071	0.4182	0.4503	0.4306	Ave		0.4061				13.9		20.0			
Vinyl acetate	+++++ 0.5022	0.3551 0.5045	0.4134	0.4565	0.5201	Ave		0.4586				14.0		20.0			
1,1-Dichloroethane	0.4359 0.5136	0.5061 0.5092	0.5163	0.5319	0.5500	Ave		0.5090			0.2000	7.0		20.0			
2-Butanone (MEK)	+++++ 0.0330	0.0237 0.0333	0.0313	0.0311	0.0345	Ave		0.0311			0.0100	12.5		20.0			
cis-1,2-Dichloroethene	0.2796 0.3418	0.3542 0.3361	0.3514	0.3598	0.3695	Ave		0.3418			0.1000	8.6		20.0			
2,2-Dichloropropane	0.4099 0.4945	0.4408 0.4879	0.4777	0.5069	0.5158	Ave		0.4762				8.0		20.0			
Chlorobromomethane	0.1461 0.1477	0.1819 0.1453	0.1633	0.1655	0.1622	Ave		0.1589				8.4		20.0			
Tetrahydrofuran	0.0665 0.0676	0.0661 0.0685	0.0699	0.0681	0.0705	Ave		0.0682				2.4		20.0			
Chloroform	0.4819 0.5139	0.5292 0.5085	0.5330	0.5434	0.5533	Ave		0.5233			0.2000	4.6		20.0			
1,1,1-Trichloroethane	0.4305 0.4780	0.4682 0.4706	0.4835	0.4995	0.5095	Ave		0.4771			0.1000	5.3		20.0			
Cyclohexane	0.3507 0.4924	0.4145 0.4763	0.4935	0.5227	0.5089	Ave		0.4656			0.1000	13.2		20.0			
1,1-Dichloropropene	0.3234 0.4437	0.3777 0.4378	0.4334	0.4586	0.4718	Ave		0.4209				12.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

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								
Carbon tetrachloride	0.3595 0.4240	0.3715 0.4161	0.4163	0.4421	0.4521	Ave		0.4117			0.1000	8.3		20.0			
Isobutyl alcohol	0.0063 0.0070	0.0057 0.0071	0.0071	0.0070	0.0076	Ave		0.0068				9.1		20.0			
Benzene	1.0736 1.2674	1.1320 1.2617	1.2088	1.2774	1.3344	Ave		1.2222			0.5000	7.4		20.0			
1,2-Dichloroethane	0.3845 0.3848	0.3877 0.3818	0.3808	0.4006	0.4122	Ave		0.3903			0.1000	3.0		20.0			
n-Heptane	+++++ 0.2302	0.7419 0.2158	0.2728	0.2603	0.2379	Lin1	0.5399	0.2181				5.7			0.9980		0.9900
Trichloroethene	0.2943 0.3495	0.3229 0.3479	0.3477	0.3664	0.3727	Ave		0.3431			0.1500	7.8		20.0			
Methylcyclohexane	+++++ 0.5704	0.4486 0.5470	0.5608	0.5978	0.5785	Ave		0.5505			0.1000	9.6		20.0			
1,2-Dichloropropane	0.2423 0.2875	0.2813 0.2870	0.2756	0.2920	0.3038	Ave		0.2814			0.1000	6.9		20.0			
1,4-Dioxane	+++++ 0.0037	0.0041 0.0037	0.0038	0.0036	0.0040	Ave		0.0038				4.6		20.0			
Dibromomethane	0.1637 0.1699	0.1728 0.1710	0.1685	0.1784	0.1857	Ave		0.1729				4.2		20.0			
Dichlorobromomethane	0.3432 0.3904	0.3943 0.3900	0.3871	0.4024	0.4184	Ave		0.3894			0.1500	5.9		20.0			
2-Chloroethyl vinyl ether	0.1442 0.1824	0.1477 0.1859	0.1692	0.1759	0.1941	Ave		0.1713				11.1		20.0			
cis-1,3-Dichloropropene	0.4225 0.4985	0.4160 0.4994	0.4764	0.5005	0.5273	Ave		0.4772			0.1500	8.9		20.0			
4-Methyl-2-pentanone (MIBK)	0.1948 0.2124	0.2016 0.2140	0.2099	0.2071	0.2280	Ave		0.2097			0.0500	5.0		20.0			
Toluene	1.4142 1.7223	1.4826 1.6795	1.6148	1.6777	1.7666	Ave		1.6225			0.4000	8.0		20.0			
trans-1,3-Dichloropropene	0.3862 0.5752	0.4539 0.5685	0.5222	0.5495	0.5937	Ave		0.5213			0.1000	14.4		20.0			
Ethyl methacrylate	+++++ 0.4132	0.2835 0.4090	0.3803	0.3984	0.4355	Ave		0.3867				13.9		20.0			
1,1,2-Trichloroethane	0.2563 0.3164	0.2522 0.3104	0.2927	0.3054	0.3288	Ave		0.2946			0.1000	10.1		20.0			
Tetrachloroethene	0.2450 0.3495	0.2804 0.3362	0.3306	0.3423	0.3612	Ave		0.3207			0.1500	13.1		20.0			
1,3-Dichloropropane	0.4057 0.5658	0.4582 0.5484	0.5290	0.5490	0.5839	Ave		0.5200				12.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.1472 0.1793	0.1719 0.1792	0.1821	0.1782	0.1930	Ave		0.1759			0.0500	8.0		20.0			
Chlorodibromomethane	0.2785 0.3694	0.3067 0.3618	0.3369	0.3565	0.3855	Ave		0.3422				11.0		20.0			
Ethylene Dibromide	0.2527 0.3337	0.2857 0.3253	0.3134	0.3262	0.3485	Ave		0.3122				10.5		20.0			
Chlorobenzene	0.8678 1.1062	1.0112 1.0779	1.0619	1.0897	1.1519	Ave		1.0524			0.3000	8.7		20.0			
1,1,1,2-Tetrachloroethane	0.2683 0.3929	0.3026 0.3834	0.3520	0.3755	0.4038	Ave		0.3541				14.3		20.0			
Ethylbenzene	0.4731 0.6317	0.5107 0.6160	0.5961	0.6256	0.6507	Ave		0.5863				11.5		20.0			
m-Xylene & p-Xylene	0.5811 0.7744	0.6563 0.7512	0.7417	0.7573	0.8032	Ave		0.7236				10.7		20.0			
o-Xylene	0.5361 0.7420	0.6389 0.7219	0.7124	0.7268	0.7643	Ave		0.6917				11.4		20.0			
Styrene	0.9223 1.2653	0.9807 1.2494	1.1650	1.2240	1.3086	Ave		1.1593			0.3000	12.9		20.0			
Bromoform	0.1762 0.2466	0.1894 0.2437	0.2237	0.2340	0.2564	Ave		0.2243			0.1000	13.5		20.0			
Isopropylbenzene	1.4672 1.9441	1.6201 1.8940	1.8547	1.9133	1.9952	Ave		1.8126			0.1000	10.7		20.0			
1,1,2,2-Tetrachloroethane	0.6368 0.7157	0.6681 0.7062	0.7116	0.7173	0.7557	Ave		0.7016			0.3000	5.5		20.0			
Bromobenzene	0.6813 0.8376	0.7064 0.8191	0.8337	0.8488	0.8749	Ave		0.8003				9.4		20.0			
trans-1,4-Dichloro-2-butene	0.1767 0.2427	0.2284 0.2364	0.2188	0.2286	0.2494	Ave		0.2258				10.6		20.0			
1,2,3-Trichloropropane	0.2415 0.2406	0.2546 0.2405	0.2519	0.2590	0.2571	Ave		0.2493				3.3		20.0			
N-Propylbenzene	0.8285 1.0314	0.8662 1.0019	0.9931	1.0423	1.0693	Ave		0.9761				9.4		20.0			
2-Chlorotoluene	0.7100 0.8506	0.7564 0.8103	0.8320	0.8485	0.8756	Ave		0.8119				7.2		20.0			
1,3,5-Trimethylbenzene	2.2350 2.8921	2.6143 2.8243	2.7714	2.8784	2.9844	Ave		2.7428				9.2		20.0			
4-Chlorotoluene	0.7530 0.8816	0.8287 0.8642	0.8689	0.8851	0.9071	Ave		0.8555				6.0		20.0			
tert-Butylbenzene	2.0231 2.5936	2.3413 2.5253	2.4866	2.5972	2.6906	Ave		2.4654				9.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.3083 2.9097	2.5059 2.8566	2.7992	2.8961	2.9984	Ave		2.7535				9.1		20.0			
sec-Butylbenzene	2.8678 3.8451	3.2664 3.7580	3.6650	3.8058	3.9411	Ave		3.5927				10.8		20.0			
1,3-Dichlorobenzene	1.3584 1.6070	1.4425 1.5528	1.5911	1.6088	1.6670	Ave		1.5468			0.6000	7.0		20.0			
4-Isopropyltoluene	2.5058 3.3051	2.8485 3.2195	3.1572	3.3048	3.3823	Ave		3.1033				10.2		20.0			
1,4-Dichlorobenzene	1.4038 1.6034	1.4607 1.5535	1.5778	1.6127	1.6638	Ave		1.5537			0.5000	5.9		20.0			
n-Butylbenzene	2.1178 2.8800	2.3772 2.7988	2.7342	2.8599	2.9756	Ave		2.6776				11.7		20.0			
1,2-Dichlorobenzene	1.2369 1.4707	1.4595 1.4366	1.4509	1.4773	1.5444	Ave		1.4395			0.4000	6.7		20.0			
1,2-Dibromo-3-Chloropropane	0.1141 0.1709	0.1700 0.1725	0.1674	0.1708	0.1781	Ave		0.1634			0.0500	13.4		20.0			
1,2,4-Trichlorobenzene	0.7555 0.9016	0.8327 0.8659	0.8427	0.8771	0.9247	Ave		0.8572			0.2000	6.4		20.0			
Hexachlorobutadiene	0.3344 0.3934	0.3482 0.3820	0.3896	0.3975	0.4167	Ave		0.3803				7.6		20.0			
Naphthalene	2.1977 2.4008	2.3923 2.3167	2.3825	2.3740	2.5023	Ave		2.3666				3.9		20.0			
1,2,3-Trichlorobenzene	0.7017 0.7984	0.7911 0.7616	0.7950	0.7764	0.8146	Ave		0.7770				4.8		20.0			
Dibromofluoromethane (Surr)	0.2746 0.2838	0.2972 0.2792	0.2934	0.3025	0.3085	Ave		0.2913				4.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3096 0.3096	0.3269 0.3098	0.3207	0.3254	0.3357	Ave		0.3197				3.2		20.0			
Toluene-d8 (Surr)	1.2582 1.4517	1.2042 1.4110	1.3904	1.4346	1.5092	Ave		1.3799				7.9		20.0			
4-Bromofluorobenzene (Surr)	0.4539 0.5147	0.4878 0.5001	0.5196	0.5206	0.5477	Ave		0.5063				5.9		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-434666/15	UXM27988.D
Level 2	STD8260 240-434666/14	UXM27987.D
Level 3	STD8260 240-434666/13	UXM27986.D
Level 4	ICIS 240-434666/12	UXM27985.D
Level 5	STD8260 240-434666/11	UXM27984.D
Level 6	STD8260 240-434666/10	UXM27983.D
Level 7	STD8260 240-434666/9	UXM27982.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	6563 1208196	15558 1432874	201880	420230	803379	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloromethane	FB	Ave	10272 1210252	20474 1509898	215176	411713	860798	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl chloride	FB	Ave	8983 1448881	19393 1853421	233249	476196	1004340	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Butadiene	FB	Ave	7656 1298085	16402 1634394	202039	407993	885755	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromomethane	FB	Ave	5289 +++++	11114 +++++	114916	223035	502954	0.500 +++++	1.00 +++++	10.0	20.0	40.0
Chloroethane	FB	Ave	4100 721559	9271 956400	109794	224743	477574	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dichlorofluoromethane	FB	Ave	10581 1609987	22418 2088787	253943	525044	1098986	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Trichlorofluoromethane	FB	Ave	8232 1528094	18420 1881205	247301	504256	1021397	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl ether	FB	Ave	3506 643134	7898 836555	99784	201374	436603	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acrolein	FB	Ave	3854 634943	7925 811033	93897	180101	425813	2.50 300	5.00 400	50.0	100	200
1,1-Dichloroethene	FB	Ave	5193 856509	11311 1091325	134402	274773	578690	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 709841	8162 842658	116438	242050	462567	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Acetone	FB	Ave	+++++ 133988	2763 181656	21894	42484	94124	+++++ 120	2.00 160	20.0	40.0	80.0
Iodomethane	FB	Ave	6574 1093884	13336 1345058	144903	333719	714664	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon disulfide	FB	Ave	19691 2793956	39549 3574986	443121	887730	1903952	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

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
Methyl acetate	FB	Ave	6834 1026956	14187 1351739	161797	312857	687826	1.00 120	2.00 160	20.0	40.0	80.0
3-Chloro-1-propene	FB	Ave	7883 1223666	17166 1568836	183250	379431	814769	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methylene Chloride	FB	Ave	7111 919029	14251 1184066	146672	289171	623880	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Methyl-2-propanol	FB	Ave	4346 739265	9866 959298	121041	217318	500636	5.00 600	10.0 800	100	200	400
Acrylonitrile	FB	Ave	19213 3152086	41489 4139989	474326	937151	2097844	5.00 600	10.0 800	100	200	400
Methyl tert-butyl ether	FB	Ave	13159 2523225	28540 3306607	369044	742436	1678039	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,2-Dichloroethene	FB	Ave	6800 995135	13527 1301441	156233	315592	670221	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexane	FB	Ave	+++++ 1355106	12496 1653309	200954	423483	841613	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl acetate	FB	Ave	+++++ 1561700	15059 2048709	198633	429306	1016429	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloroethane	FB	Ave	9351 1597351	21465 2067956	248107	500218	1074904	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Butanone (MEK)	FB	Ave	+++++ 205327	2007 270440	30096	58448	134863	+++++ 120	2.00 160	20.0	40.0	80.0
cis-1,2-Dichloroethene	FB	Ave	5998 1062904	15022 1364914	168828	338400	722204	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2,2-Dichloropropane	FB	Ave	8793 1537904	18693 1981435	229537	476654	1008144	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chlorobromomethane	FB	Ave	3133 459200	7715 590068	78481	155674	316974	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrahydrofuran	FB	Ave	2855 420192	5604 556184	67136	128058	275724	1.00 120	2.00 160	20.0	40.0	80.0
Chloroform	FB	Ave	10337 1598073	22443 2065010	256130	510975	1081418	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1-Trichloroethane	FB	Ave	9235 1486661	19858 1910834	232307	469738	995675	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Cyclohexane	FB	Ave	7523 1531270	17579 1934032	237147	491567	994654	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloropropene	FB	Ave	6937 1379872	16020 1777935	208238	431230	922144	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon tetrachloride	FB	Ave	7712 1318751	15757 1689538	200039	415764	883538	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isobutyl alcohol	FB	Ave	3366 547640	6089 723216	85586	164209	371068	12.5 1500	25.0 2000	250	500	1000

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

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
Benzene	FB	Ave	23030 3941460	48007 5123544	580846	1201253	2607947	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane	FB	Ave	8247 1196614	16443 1550331	182966	376690	805704	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Heptane	FB	Lin1	+++++ 715802	31464 876244	131103	244814	464970	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Trichloroethene	FB	Ave	6313 1087064	13694 1412865	167067	344595	728457	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	+++++ 1773861	19026 2221307	269469	562163	1130580	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloropropane	FB	Ave	5197 893985	11930 1165540	132429	274588	593751	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,4-Dioxane	FB	Ave	+++++ 228108	3440 300686	36374	68205	155348	+++++ 1200	20.0 1600	200	400	800
Dibromomethane	FB	Ave	3511 528365	7329 694361	80968	167791	362920	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dichlorobromomethane	FB	Ave	7362 1214015	16724 1583652	186019	378429	817722	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chloroethyl vinyl ether	FB	Ave	6188 1134684	12527 1509802	162569	330841	758544	1.00 120	2.00 160	20.0	40.0	80.0
cis-1,3-Dichloropropene	FB	Ave	9062 1550183	17643 2027839	228920	470694	1030548	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	8355 1321092	17101 1737738	201734	389532	891382	1.00 120	2.00 160	20.0	40.0	80.0
Toluene	CBNZ d5	Ave	26996 4260299	54963 5540850	641681	1308155	2819001	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	7372 1422751	16828 1875599	207516	428491	947406	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl methacrylate	CBNZ d5	Ave	+++++ 1021981	10511 1349215	151121	310679	695031	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloroethane	CBNZ d5	Ave	4893 782747	9350 1024150	116305	238120	524667	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrachloroethene	CBNZ d5	Ave	4676 864608	10396 1109337	131382	266869	576318	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichloropropane	CBNZ d5	Ave	7744 1399520	16985 1809414	210225	428084	931813	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Hexanone	CBNZ d5	Ave	5621 887053	12744 1182182	144758	277943	615969	1.00 120	2.00 160	20.0	40.0	80.0
Chlorodibromomethane	CBNZ d5	Ave	5316 913646	11370 1193687	133886	277968	615203	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethylene Dibromide	CBNZ d5	Ave	4823 825478	10593 1073148	124538	254321	556097	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

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
Chlorobenzene	CBNZ d5	Ave	16566 2736134	37487 3556172	421952	849656	1838077	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5121 971974	11216 1264758	139890	292777	644312	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethylbenzene	CBNZ d5	Ave	9031 1562427	18931 2032451	236876	487819	1038368	0.500 60.0	1.00 80.0	10.0	20.0	40.0
m-Xylene & p-Xylene	CBNZ d5	Ave	11092 1915463	24331 2478229	294747	590454	1281765	0.500 60.0	1.00 80.0	10.0	20.0	40.0
o-Xylene	CBNZ d5	Ave	10233 1835268	23684 2381598	283077	566672	1219662	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Styrene	CBNZ d5	Ave	17606 3129810	36356 4121930	462947	954414	2088257	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromoform	CBNZ d5	Ave	3363 609860	7023 804127	88887	182438	409166	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isopropylbenzene	CBNZ d5	Ave	28007 4808786	60059 6248523	737005	1491822	3183890	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	6455 960821	13344 1265431	150050	298213	656058	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromobenzene	DCBd 4	Ave	6906 1124463	14109 1467701	175795	352879	759556	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	1791 325755	4561 423641	46132	95037	216496	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichloropropane	DCBd 4	Ave	2448 322990	5084 430917	53122	107679	223227	0.500 60.0	1.00 80.0	10.0	20.0	40.0
N-Propylbenzene	DCBd 4	Ave	8398 1384613	17300 1795321	209400	433284	928345	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chlorotoluene	DCBd 4	Ave	7197 1141891	15107 1452042	175443	352752	760181	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	22656 3882524	52213 5060818	584379	1196596	2591098	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Chlorotoluene	DCBd 4	Ave	7633 1183437	16552 1548562	183214	367969	787574	0.500 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butylbenzene	DCBd 4	Ave	20508 3481793	46762 4525084	524316	1079707	2336013	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	23399 3906169	50048 5118659	590229	1203961	2603241	0.500 60.0	1.00 80.0	10.0	20.0	40.0
sec-Butylbenzene	DCBd 4	Ave	29070 5161872	65238 6733878	772805	1582135	3421656	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCBd 4	Ave	13770 2157328	28811 2782519	335492	668787	1447316	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Isopropyltoluene	DCBd 4	Ave	25401 4436896	56892 5769048	665728	1373885	2936542	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

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
1,4-Dichlorobenzene	DCBd 4	Ave	14230 2152493	29173 2783675	332695	670413	1444498	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Butylbenzene	DCBd 4	Ave	21468 3866269	47478 5015197	576522	1188929	2583389	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCBd 4	Ave	12538 1974289	29150 2574200	305937	614140	1340841	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1157 229360	3395 309159	35308	71022	154667	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	7658 1210318	16631 1551579	177699	364647	802854	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	DCBd 4	Ave	3390 528160	6955 684493	82153	165229	361806	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Naphthalene	DCBd 4	Ave	22277 3222971	47780 4151252	502370	986906	2172484	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	7113 1071754	15800 1364667	167624	322784	707210	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromofluoromethane (Surr)	FB	Ave	5891 882660	12605 1133701	140972	284465	603010	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	6642 962950	13862 1258205	154104	305962	656015	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Toluene-d8 (Surr)	CBNZ d5	Ave	24017 3590922	44640 4655018	552509	1118576	2408325	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	8664 1273155	18085 1649907	206467	405920	874040	0.500 60.0	1.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-434666/15	UXM27988.D
Level 2	STD8260 240-434666/14	UXM27987.D
Level 3	STD8260 240-434666/13	UXM27986.D
Level 4	ICIS 240-434666/12	UXM27985.D
Level 5	STD8260 240-434666/11	UXM27984.D
Level 6	STD8260 240-434666/10	UXM27983.D
Level 7	STD8260 240-434666/9	UXM27982.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
n-Heptane	+++++	-7.4						50				

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 13:52 Calibration End Date: 05/18/2020 15:56 Calibration ID: 57118

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-434666/24	UXM27997.D
Level 2	STDA9 240-434666/23	UXM27996.D
Level 3	STDA9 240-434666/22	UXM27995.D
Level 4	STDA9 240-434666/21	UXM27994.D
Level 5	STDA9 240-434666/20	UXM27993.D
Level 6	STDA9 240-434666/19	UXM27992.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 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	0.0423 0.0301	0.0350	0.0329	0.0299	0.0329	Ave		0.0338				13.5		20.0			
Diisopropyl ether	0.2360 0.2664	0.2127	0.2463	0.2428	0.2731	Ave		0.2462				8.8		20.0			
2-Chloro-1,3-butadiene	0.3898 0.4426	0.3699	0.4327	0.4145	0.4486	Ave		0.4163				7.5		20.0			
Ethyl-t-butyl ether (ETBE)	0.6639 0.8056	0.6429	0.7238	0.7109	0.8107	Ave		0.7263				9.6		20.0			
Ethyl acetate	0.1809 0.2023	0.1771	0.1771	0.1817	0.2124	Ave		0.1886				7.9		20.0			
Propionitrile	0.0385 0.0366	0.0343	0.0373	0.0352	0.0394	Ave		0.0369				5.2		20.0			
Methacrylonitrile	0.1224 0.1560	0.1186	0.1312	0.1261	0.1512	Ave		0.1342				11.6		20.0			
Isooctane	0.7559 0.9222	0.7250	0.9117	0.8155	0.8939	Ave		0.8374				10.1		20.0			
Tert-amyl-methyl ether (TAME)	0.6450 0.8003	0.6598	0.7086	0.6946	0.7970	Ave		0.7175				9.3		20.0			
n-Butanol	0.0050 0.0066	0.0045	0.0055	0.0055	0.0072	Ave		0.0057				17.6		20.0			
Ethyl acrylate	0.2438 0.2957	0.2027	0.2497	0.2525	0.3039	Ave		0.2581				14.4		20.0			
Methyl methacrylate	0.1556 0.1925	0.1537	0.1673	0.1702	0.1988	Ave		0.1730				10.8		20.0			
2-Nitropropane	0.0676 0.0732	0.0607	0.0620	0.0645	0.0765	Ave		0.0674				9.3		20.0			
n-Butyl acetate	0.3038 0.3028	0.2760	0.2913	0.2838	0.3254	Ave		0.2972				5.9		20.0			
1-Chlorohexane	0.5870 0.5968	0.5082	0.5859	0.5378	0.6114	Ave		0.5712				6.9		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, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 13:52 Calibration End Date: 05/18/2020 15:56 Calibration ID: 57118

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 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexanone	0.0141 0.0197	0.0188	0.0178	0.0174	0.0220	Ave		0.0183				14.4		20.0			
Pentachloroethane	0.1145 0.2378	0.1412	0.1742	0.1840	0.2276	Lin1	-0.174	0.2262				19.0			0.9910		0.9900
1,2,3-Trimethylbenzene	2.5835 2.9363	2.4097	2.7788	2.6351	2.9431	Ave		2.7144				7.8		20.0			
Benzyl chloride	+++++ 0.3858	0.2589	0.3224	0.3227	0.3903	Ave		0.3360				16.1		20.0			
1,3,5-Trichlorobenzene	0.9724 1.1204	0.9583	1.0625	1.0074	1.1062	Ave		1.0379				6.6		20.0			
2-Methylnaphthalene	1.2138 1.1661	1.3226	1.0763	1.0827	1.2560	Ave		1.1863				8.2		20.0			
1-Methylnaphthalene	1.0864 0.9922	1.1415	0.9549	0.9471	1.0856	Ave		1.0346				7.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 13:52 Calibration End Date: 05/18/2020 15:56 Calibration ID: 57118

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-434666/24	UXM27997.D
Level 2	STDA9 240-434666/23	UXM27996.D
Level 3	STDA9 240-434666/22	UXM27995.D
Level 4	STDA9 240-434666/21	UXM27994.D
Level 5	STDA9 240-434666/20	UXM27993.D
Level 6	STDA9 240-434666/19	UXM27992.D

ANALYTE	IS REF	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
Acetonitrile	FB	Ave	8297 1156960	14313	136385	262034	640391	5.00 800	10.0	100	200	400
Diisopropyl ether	FB	Ave	4630 1023323	8698	102251	213014	531250	0.500 80.0	1.00	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	7648 1700622	15129	179631	363574	872423	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl-t-butyl ether (ETBE)	FB	Ave	13027 3094971	26292	300496	623565	1576740	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl acetate	FB	Ave	7101 1554368	14489	147025	318788	826159	1.00 160	2.00	20.0	40.0	80.0
Propionitrile	FB	Ave	7558 1406098	14022	154852	308962	765805	5.00 800	10.0	100	200	400
Methacrylonitrile	FB	Ave	24022 5992317	48494	544655	1106297	2939849	5.00 800	10.0	100	200	400
Isooctane	FB	Ave	14832 3543023	29653	378492	715339	1738631	0.500 80.0	1.00	10.0	20.0	40.0
Tert-amyl-methyl ether (TAME)	FB	Ave	12656 3074631	26984	294165	609291	1550174	0.500 80.0	1.00	10.0	20.0	40.0
n-Butanol	FB	Ave	2466 630360	4550	56782	121435	349586	12.5 2000	25.0	250	500	1000
Ethyl acrylate	FB	Ave	4783 1136054	8292	103670	221470	591109	0.500 80.0	1.00	10.0	20.0	40.0
Methyl methacrylate	FB	Ave	6106 1479395	12574	138919	298663	773227	1.00 160	2.00	20.0	40.0	80.0
2-Nitropropane	FB	Ave	2654 562256	4966	51492	113086	297413	1.00 160	2.00	20.0	40.0	80.0
n-Butyl acetate	FB	Ave	5962 1163505	11287	120934	248919	632922	0.500 80.0	1.00	10.0	20.0	40.0
1-Chlorohexane	CBNZ d5	Ave	10341 1869182	18772	214089	403420	983218	0.500 80.0	1.00	10.0	20.0	40.0
Cyclohexanone	DCBd 4	Ave	1329 320292	3740	34310	68713	182765	5.00 800	10.0	100	200	400

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 13:52 Calibration End Date: 05/18/2020 15:56 Calibration ID: 57118

ANALYTE	IS REF	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
Pentachloroethane	CBNZ d5	Lin1	4036 1489821	10431	127339	276105	731951	1.00 160	2.00	20.0	40.0	80.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	24380 4772737	47879	536108	1040758	2450124	0.500 80.0	1.00	10.0	20.0	40.0
Benzyl chloride	DCBd 4	Ave	+++++ 627063	5145	62191	127450	324919	+++++ 80.0	1.00	10.0	20.0	40.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	9176 1821107	19041	204980	397866	920934	0.500 80.0	1.00	10.0	20.0	40.0
2-Methylnaphthalene	DCBd 4	Ave	22909 3790866	52558	415298	855222	2091293	1.00 160	2.00	20.0	40.0	80.0
1-Methylnaphthalene	DCBd 4	Ave	20504 3225522	45362	368450	748110	1807469	1.00 160	2.00	20.0	40.0	80.0

Curve Type Legend:
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 13:52 Calibration End Date: 05/18/2020 15:56 Calibration ID: 57118

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-434666/24	UXM27997.D
Level 2	STDA9 240-434666/23	UXM27996.D
Level 3	STDA9 240-434666/22	UXM27995.D
Level 4	STDA9 240-434666/21	UXM27994.D
Level 5	STDA9 240-434666/20	UXM27993.D
Level 6	STDA9 240-434666/19	UXM27992.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Pentachloroethane	27.7						50					

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-434666/25 Calibration Date: 05/18/2020 16:21

Instrument ID: A3UX16 Calib Start Date: 05/18/2020 09:45

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/18/2020 12:13

Lab File ID: UXM27998.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.2913	0.2907		0.0200	0.0200	-0.2	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3197	0.3021		0.0189	0.0200	-5.5	30.0
Toluene-d8 (Surr)	Ave	1.380	1.256		0.0182	0.0200	-9.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5063	0.5194		0.0205	0.0200	2.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-434666/25 Calibration Date: 05/18/2020 16:21

Instrument ID: A3UX16 Calib Start Date: 05/18/2020 13:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/18/2020 15:56

Lab File ID: UXM27998.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0338	0.0335		0.198	0.200	-1.0	30.0
Diisopropyl ether	Ave	0.2462	0.2613		0.0212	0.0200	6.1	30.0
2-Chloro-1,3-butadiene	Ave	0.4163	0.4479		0.0215	0.0200	7.6	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7263	0.7685		0.0212	0.0200	5.8	30.0
Propionitrile	Ave	0.0369	0.0385		0.209	0.200	4.3	30.0
Methacrylonitrile	Ave	0.1342	0.1375		0.205	0.200	2.4	30.0
Tert-amyl-methyl ether (TAME)	Ave	0.7175	0.7815		0.0218	0.0200	8.9	30.0
n-Butanol	Ave	0.0057	0.0059		0.517	0.500	3.5	30.0
2-Nitropropane	Ave	0.0674	0.0683		0.0405	0.0400	1.3	30.0
1-Chlorohexane	Ave	0.5712	0.6019		0.0211	0.0200	5.4	30.0
Cyclohexanone	Ave	0.0183	0.0171		0.187	0.200	-6.4	30.0
Pentachloroethane	Lin1		0.1481		0.0269	0.0400	-32.6*	30.0
1,2,3-Trimethylbenzene	Ave	2.714	2.967		0.0219	0.0200	9.3	30.0
Benzyl chloride	Ave	0.3360	0.3304		0.0197	0.0200	-1.7	30.0
1,3,5-Trichlorobenzene	Ave	1.038	1.085		0.0209	0.0200	4.6	30.0
2-Methylnaphthalene	Ave	1.186	0.998		0.0337	0.0400	-15.9	30.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: BFB6434.D BFB Injection Date: 06/24/2020

Instrument ID: A3UX16 BFB Injection Time: 09:03

Analysis Batch No.: 439793

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.5	
75	30.0 - 60.0 % of mass 95	47.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.7	(0.9) 1
174	50.0 - 120.00 % of mass 95	79.9	
175	5.0 - 9.0 % of mass 174	5.8	(7.2) 1
176	95.0 - 101.0 % of mass 174	77.3	(96.7) 1
177	5.0 - 9.0 % of mass 176	4.7	(6.0) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-439793/9	UXM29196.D	06/24/2020	9:52
	STD8260 240-439793/10	UXM29197.D	06/24/2020	10:16
	STD8260 240-439793/11	UXM29198.D	06/24/2020	10:41
	ICIS 240-439793/12	UXM29199.D	06/24/2020	11:05
	STD8260 240-439793/13	UXM29200.D	06/24/2020	11:29
	STD8260 240-439793/14	UXM29201.D	06/24/2020	11:53
	STD8260 240-439793/15	UXM29202.D	06/24/2020	12:17
	ICV 240-439793/16	UXM29203.D	06/24/2020	12:42

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-439793/15	UXM29202.D
Level 2	STD8260 240-439793/14	UXM29201.D
Level 3	STD8260 240-439793/13	UXM29200.D
Level 4	ICIS 240-439793/12	UXM29199.D
Level 5	STD8260 240-439793/11	UXM29198.D
Level 6	STD8260 240-439793/10	UXM29197.D
Level 7	STD8260 240-439793/9	UXM29196.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2060 0.2534	0.2048 0.2330	0.2474	0.2390	0.2598	Ave		0.2348			0.1000	9.3		20.0			
Chloromethane	0.3244 0.2942	0.2983 0.2697	0.3079	0.3023	0.3012	Ave		0.2997			0.1000	5.5		20.0			
Vinyl chloride	0.2579 0.3064	0.3034 0.2872	0.3188	0.3118	0.3132	Ave		0.2998			0.1000	7.0		20.0			
Butadiene	0.2457 0.2673	0.2610 0.2512	0.2740	0.2705	0.2756	Ave		0.2636				4.4		20.0			
Bromomethane	0.1847 +++++	0.1786 +++++	0.1486	0.1472	0.1275	Ave		0.1573			0.0500	15.1		20.0			
Chloroethane	0.1877 0.1871	0.1868 0.1721	0.1892	0.1852	0.1912	Ave		0.1856			0.0500	3.4		20.0			
Dichlorofluoromethane	0.3995 0.4348	0.4329 0.4094	0.4543	0.4466	0.4451	Ave		0.4318				4.7		20.0			
Trichlorofluoromethane	0.2645 0.3109	0.2886 +++++	0.3366	0.3270	0.3393	Ave		0.3111			0.1000	9.5		20.0			
Ethyl ether	0.1898 0.2074	0.2165 0.2027	0.2101	0.2076	0.2105	Ave		0.2064				4.1		20.0			
Acrolein	0.0200 0.0266	0.0274 0.0268	0.0271	0.0265	0.0273	Ave		0.0259				10.2		20.0			
1,1-Dichloroethene	0.2070 0.2255	0.2113 0.2103	0.2341	0.2300	0.2306	Ave		0.2212			0.1000	5.1		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	+++++ 0.1833	0.1408 0.1698	0.1850	0.1811	0.1896	Ave		0.1749			0.0500	10.3		20.0			
Acetone	+++++ 0.0236	0.0593 0.0243	0.0265	0.0240	0.0247	Lin1	0.0694	0.0234			0.0100	3.8			0.9990		0.9900
Iodomethane	+++++ 0.3236	0.3642 0.2702	0.3345	0.3275	0.3359	Ave		0.3260				9.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

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								
Carbon disulfide	0.7125 0.7195	0.7090 0.6871	0.7637	0.7553	0.7584	Ave		0.7294			0.1000	4.1		20.0			
Methyl acetate	0.2027 0.1806	0.1890 0.1911	0.1786	0.1781	0.1798	Ave		0.1857			0.1000	4.9		20.0			
3-Chloro-1-propene	0.4563 0.4102	0.4065 0.3709	0.4290	0.4205	0.4234	Ave		0.4167				6.2		20.0			
Methylene Chloride	0.3409 0.2595	0.3047 0.2452	0.2779	0.2739	0.2691	Ave		0.2816			0.1000	11.3		20.0			
tert-Butyl alcohol	0.0211 0.0237	0.0220 0.0258	0.0214	0.0217	0.0228	Ave		0.0227				7.3		20.0			
Acrylonitrile	0.0997 0.1030	0.0981 0.1071	0.1025	0.1012	0.1028	Ave		0.1020				2.8		20.0			
Methyl tert-butyl ether	0.5941 0.7234	0.6265 0.7205	0.6848	0.7029	0.7284	Ave		0.6829			0.1000	7.7		20.0			
trans-1,2-Dichloroethene	0.2276 0.2670	0.2596 0.2523	0.2770	0.2732	0.2756	Ave		0.2618			0.1000	6.7		20.0			
Hexane	+++++ 0.4310	0.2780 0.4247	0.3913	0.4051	0.4349	Ave		0.3942				15.0		20.0			
Vinyl acetate	0.2480 0.3568	0.2581 0.3403	0.3358	0.3481	0.3642	Ave		0.3216				14.9		20.0			
1,1-Dichloroethane	0.4357 0.4790	0.4521 0.4601	0.4989	0.4955	0.4937	Ave		0.4736			0.2000	5.2		20.0			
2-Butanone	+++++ 0.0322	0.0299 0.0336	0.0277	0.0297	0.0311	Ave		0.0307			0.0100	6.8		20.0			
cis-1,2-Dichloroethene	0.2909 0.2927	0.2705 0.2750	0.3010	0.2996	0.3021	Ave		0.2902			0.1000	4.4		20.0			
2,2-Dichloropropane	0.3371 0.3994	0.3728 0.3865	0.3974	0.4055	0.4141	Ave		0.3876				6.7		20.0			
Bromochloromethane	0.1162 0.1215	0.1220 0.1142	0.1353	0.1316	0.1269	Ave		0.1240				6.3		20.0			
Tetrahydrofuran	0.0790 0.0754	0.0769 0.0820	0.0724	0.0735	0.0751	Ave		0.0763				4.3		20.0			
Chloroform	0.4830 0.4422	0.4451 0.4193	0.4689	0.4582	0.4595	Ave		0.4537			0.2000	4.5		20.0			
1,1,1-Trichloroethane	0.3388 0.3805	0.3471 0.3598	0.3882	0.3882	0.3944	Ave		0.3710			0.1000	6.0		20.0			
Cyclohexane	0.3735 0.4997	0.3904 0.4830	0.4957	0.4953	0.5067	Ave		0.4635			0.1000	12.2		20.0			
1,1-Dichloropropene	0.3135 0.3910	0.3243 0.3785	0.3774	0.3905	0.4034	Ave		0.3684				9.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

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								
Carbon tetrachloride	0.2683 0.3170	0.2567 0.2986	0.3113	0.3221	0.3281	Ave		0.3003			0.1000	9.2		20.0			
Isobutyl alcohol	0.0061 0.0077	0.0064 0.0085	0.0070	0.0072	0.0074	Ave		0.0072				11.3		20.0			
Benzene	1.0171 1.1382	1.0372 1.0971	1.1410	1.1527	1.1760	Ave		1.1085			0.5000	5.5		20.0			
1,2-Dichloroethane	0.3358 0.3437	0.3415 0.3319	0.3559	0.3514	0.3521	Ave		0.3446			0.1000	2.6		20.0			
n-Heptane	+++++ 0.2377	0.8060 0.2340	0.2788	0.2493	0.2493	Lin1	0.5705	0.2280				3.1			1.0000		0.9900
Trichloroethene	0.2465 0.2850	0.2400 0.2678	0.2836	0.2879	0.2966	Ave		0.2725			0.1500	8.0		20.0			
Methylcyclohexane	+++++ 0.5229	0.3700 0.5059	0.4834	0.4958	0.5364	Ave		0.4857			0.1000	12.3		20.0			
1,2-Dichloropropane	0.2505 0.2770	0.2520 0.2676	0.2785	0.2851	0.2877	Ave		0.2712			0.1000	5.6		20.0			
1,4-Dioxane	0.0028 0.0033	0.0027 0.0033	0.0033	0.0032	0.0033	Ave		0.0032				8.3		20.0			
Dibromomethane	0.1377 0.1470	0.1395 0.1412	0.1480	0.1489	0.1497	Ave		0.1446				3.4		20.0			
Bromodichloromethane	0.3301 0.3318	0.3157 0.3173	0.3360	0.3341	0.3448	Ave		0.3300			0.1500	3.1		20.0			
2-Chloroethyl vinyl ether	+++++ 0.1808	0.1392 0.1811	0.1636	0.1708	0.1802	Ave		0.1693				9.6		20.0			
cis-1,3-Dichloropropene	0.3447 0.4533	0.3612 0.4372	0.4308	0.4461	0.4637	Ave		0.4196			0.1500	11.2		20.0			
4-Methyl-2-pentanone	0.1655 0.2294	0.1933 0.2445	0.2089	0.2171	0.2249	Ave		0.2119			0.0500	12.3		20.0			
Toluene	1.3497 1.5419	1.3536 1.5163	1.5123	1.5297	1.5975	Ave		1.4859			0.4000	6.5		20.0			
trans-1,3-Dichloropropene	0.3793 0.5302	0.3928 0.5319	0.4866	0.5177	0.5401	Ave		0.4827			0.1000	14.1		20.0			
Ethyl methacrylate	0.3057 0.4191	0.3101 0.4377	0.3885	0.4036	0.4211	Ave		0.3837				14.1		20.0			
1,1,2-Trichloroethane	0.2208 0.2896	0.2472 0.2875	0.2731	0.2819	0.2964	Ave		0.2709			0.1000	10.1		20.0			
Tetrachloroethene	0.2411 0.2918	0.2352 0.2842	0.2836	0.2893	0.3023	Ave		0.2754			0.1500	9.5		20.0			
1,3-Dichloropropane	0.4377 0.5508	0.4746 0.5545	0.5319	0.5496	0.5650	Ave		0.5234				9.2		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, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.1520 0.2066	0.1750 0.2291	0.1933	0.1995	0.2063	Ave		0.1945			0.0500	12.8		20.0			
Dibromochloromethane	0.2524 0.3096	0.2650 0.3028	0.2854	0.2976	0.3165	Ave		0.2899				8.2		20.0			
1,2-Dibromoethane	0.2162 0.2955	0.2350 0.2932	0.2776	0.2888	0.3011	Ave		0.2725				12.2		20.0			
Chlorobenzene	0.8572 0.9684	0.8857 0.9432	0.9676	0.9720	0.9994	Ave		0.9419			0.3000	5.5		20.0			
1,1,1,2-Tetrachloroethane	0.2216 0.3238	0.2536 0.3159	0.2975	0.3108	0.3314	Ave		0.2935				13.9		20.0			
Ethylbenzene	0.4528 0.5437	0.4531 0.5355	0.5372	0.5376	0.5621	Ave		0.5174				8.7		20.0			
m-Xylene & p-Xylene	0.5307 0.6765	0.5836 0.6572	0.6736	0.6789	0.6975	Ave		0.6426				9.6		20.0			
o-Xylene	0.5303 0.6469	0.5802 0.6235	0.6339	0.6425	0.6636	Ave		0.6173				7.5		20.0			
Styrene	0.8544 1.1222	0.8983 1.0859	1.0791	1.0994	1.1498	Ave		1.0413			0.3000	11.1		20.0			
Bromoform	+++++ 0.2018	0.1486 0.2030	0.1791	0.1900	0.2063	Ave		0.1881			0.1000	11.6		20.0			
Isopropylbenzene	1.3477 1.6978	1.3576 1.6461	1.6479	1.6765	1.7397	Ave		1.5876			0.1000	10.3		20.0			
1,1,2,2-Tetrachloroethane	0.6057 0.6936	0.6431 0.7234	0.6967	0.7032	0.7108	Ave		0.6824			0.3000	6.2		20.0			
Bromobenzene	0.6102 0.7136	0.6234 0.6934	0.7129	0.7150	0.7364	Ave		0.6864				7.2		20.0			
trans-1,4-Dichloro-2-butene	0.1512 0.2258	0.1942 0.2417	0.2136	0.2243	0.2266	Ave		0.2111				14.3		20.0			
1,2,3-Trichloropropane	0.1462 0.2251	0.2174 0.2270	0.2223	0.2223	0.2275	Ave		0.2125				13.9		20.0			
n-Propylbenzene	0.7497 0.9037	0.7406 0.8780	0.8926	0.9053	0.9318	Ave		0.8574				9.1		20.0			
2-Chlorotoluene	0.6270 0.7261	0.6794 0.7194	0.7305	0.7488	0.7597	Ave		0.7130				6.4		20.0			
1,3,5-Trimethylbenzene	2.0591 2.6288	2.1481 2.5531	2.5862	2.6331	2.6970	Ave		2.4722				10.4		20.0			
4-Chlorotoluene	0.6446 0.7692	0.7027 0.7500	0.7554	0.7757	0.7933	Ave		0.7416				6.9		20.0			
tert-Butylbenzene	1.7970 2.2954	1.9617 2.2300	2.2646	2.2687	2.3509	Ave		2.1669				9.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.1023 2.6329	2.1426 2.5622	2.5881	2.6266	2.6821	Ave		2.4767				9.9		20.0			
sec-Butylbenzene	2.7151 3.5014	2.9342 3.3849	3.4249	3.4504	3.5487	Ave		3.2799				9.8		20.0			
1,3-Dichlorobenzene	1.2662 1.3959	1.2793 1.3642	1.3867	1.4004	1.4365	Ave		1.3613			0.6000	4.7		20.0			
p-Isopropyltoluene	2.1357 2.9669	2.4049 2.8569	2.8635	2.9126	2.9918	Ave		2.7332				12.0		20.0			
1,4-Dichlorobenzene	1.2080 1.4086	1.2910 1.3679	1.3797	1.4189	1.4398	Ave		1.3591			0.5000	6.0		20.0			
n-Butylbenzene	2.0948 2.7117	2.2360 2.6502	2.6653	2.6713	2.7715	Ave		2.5430				10.4		20.0			
1,2-Dichlorobenzene	1.2111 1.2917	1.2319 1.2664	1.2958	1.3098	1.3254	Ave		1.2760			0.4000	3.3		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1507	0.1241 0.1572	0.1444	0.1452	0.1494	Ave		0.1452			0.0500	7.8		20.0			
1,2,4-Trichlorobenzene	0.6920 0.8167	0.7811 0.7747	0.7550	0.7933	0.8132	Ave		0.7751			0.2000	5.5		20.0			
Hexachlorobutadiene	0.2510 0.3910	0.3381 0.3737	0.3841	0.3884	0.4007	Ave		0.3610				14.5		20.0			
Naphthalene	1.8775 2.1398	2.0381 2.1068	2.0431	2.0990	2.1428	Ave		2.0639				4.5		20.0			
1,2,3-Trichlorobenzene	0.5904 0.7018	0.6621 0.6702	0.6861	0.6892	0.7037	Ave		0.6719				5.8		20.0			
Dibromofluoromethane (Surr)	0.2282 0.2335	0.2267 0.2167	0.2412	0.2376	0.2412	Ave		0.2321				3.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2627 0.2859	0.2808 0.2667	0.3021	0.2869	0.2931	Ave		0.2826				4.9		20.0			
Toluene-d8 (Surr)	+++++ 1.3013	1.0735 1.2613	1.2825	1.2833	1.3455	Ave		1.2579				7.5		20.0			
4-Bromofluorobenzene (Surr)	+++++ 0.4739	0.4202 0.4556	0.4694	0.4703	0.4854	Ave		0.4625				4.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-439793/15	UXM29202.D
Level 2	STD8260 240-439793/14	UXM29201.D
Level 3	STD8260 240-439793/13	UXM29200.D
Level 4	ICIS 240-439793/12	UXM29199.D
Level 5	STD8260 240-439793/11	UXM29198.D
Level 6	STD8260 240-439793/10	UXM29197.D
Level 7	STD8260 240-439793/9	UXM29196.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	5091 867553	10354 1122930	131230	260688	580223	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloromethane	FB	Ave	8018 1007399	15080 1299579	163298	329740	672662	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl chloride	FB	Ave	6374 1048989	15338 1383710	169106	340086	699444	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Butadiene	FB	Ave	6072 915327	13190 1210494	145311	295050	615392	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromomethane	FB	Ave	4565 +++++	9028 +++++	78799	160580	284823	0.500 +++++	1.00 +++++	10.0	20.0	40.0
Chloroethane	FB	Ave	4640 640531	9444 829431	100341	202057	426864	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dichlorofluoromethane	FB	Ave	9873 1488749	21879 1972941	240990	487180	993876	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Trichlorofluoromethane	FB	Ave	6537 1064426	14586 +++++	178518	356705	757724	0.500 60.0	1.00 +++++	10.0	20.0	40.0
Ethyl ether	FB	Ave	4692 710066	10942 976672	111442	226431	470103	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acrolein	FB	Ave	2472 455076	6919 645268	71792	144395	304511	2.50 300	5.00 400	50.0	100	200
1,1-Dichloroethene	FB	Ave	5115 772121	10679 1013403	124161	250828	514923	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	+++++ 627676	7115 818179	98122	197579	423333	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Acetone	FB	Lin1	+++++ 161936	5993 233910	28076	52405	110155	+++++ 120	2.00 160	20.0	40.0	80.0
Iodomethane	FB	Ave	+++++ 1107958	18411 1301964	177417	357246	750001	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Carbon disulfide	FB	Ave	17608 2463652	35838 3310970	405075	823878	1693505	0.500 60.0	1.00 80.0	10.0	20.0	40.0

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

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
Methyl acetate	FB	Ave	10020 1236687	19102 1841657	189507	388468	803043	1.00 120	2.00 160	20.0	40.0	80.0
3-Chloro-1-propene	FB	Ave	11278 1404409	20549 1787382	227548	458627	945455	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methylene Chloride	FB	Ave	8424 888696	15402 1181459	147425	298812	600821	0.500 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butyl alcohol	FB	Ave	5215 810248	11114 1244886	113772	237151	510251	5.00 600	10.0 800	100	200	400
Acrylonitrile	FB	Ave	24645 3526375	49565 5160398	543464	1103964	2295412	5.00 600	10.0 800	100	200	400
Methyl tert-butyl ether	FB	Ave	14682 2477108	31669 3471769	363244	766715	1626500	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,2-Dichloroethene	FB	Ave	5624 914147	13122 1215929	146914	298017	615515	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexane	FB	Ave	+++++ 1475705	14052 2046433	207563	441851	971109	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl acetate	FB	Ave	6129 1221854	13045 1639550	178122	379738	813218	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloroethane	FB	Ave	10767 1640084	22854 2217046	264630	540425	1102491	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Butanone	FB	Ave	+++++ 220598	3021 324253	29369	64795	138939	+++++ 120	2.00 160	20.0	40.0	80.0
cis-1,2-Dichloroethene	FB	Ave	7189 1002099	13671 1325310	159638	326800	674509	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2,2-Dichloropropane	FB	Ave	8332 1367547	18843 1862377	210799	442274	924835	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromochloromethane	FB	Ave	2872 416084	6169 550049	71782	143502	283304	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrahydrofuran	FB	Ave	3903 516331	7778 790660	76820	160432	335414	1.00 120	2.00 160	20.0	40.0	80.0
Chloroform	FB	Ave	11938 1514229	22498 2020245	248720	499815	1026033	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1-Trichloroethane	FB	Ave	8373 1302954	17546 1733861	205894	423403	880725	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Cyclohexane	FB	Ave	9232 1711154	19731 2327631	262919	540209	1131543	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloropropene	FB	Ave	7749 1338948	16390 1823649	200176	425941	900805	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon tetrachloride	FB	Ave	6631 1085251	12976 1438881	165134	351384	732746	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isobutyl alcohol	FB	Ave	3778 655252	8050 1028999	92168	195274	412287	12.5 1500	25.0 2000	250	500	1000

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

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
Benzene	FB	Ave	25138 3897102	52426 5286741	605189	1257350	2626029	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane	FB	Ave	8299 1176667	17263 1599178	188779	383252	786212	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Heptane	FB	Lin1	+++++ 813793	40740 1127752	147907	271920	556819	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Trichloroethene	FB	Ave	6092 975840	12129 1290662	150452	314071	662239	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	+++++ 1790385	18704 2437977	256432	540758	1197764	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloropropane	FB	Ave	6191 948571	12739 1289599	147743	310923	642483	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,4-Dioxane	FB	Ave	1397 227064	2753 321157	35004	70444	148718	10.0 1200	20.0 1600	200	400	800
Dibromomethane	FB	Ave	3402 503379	7051 680227	78529	162413	334315	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromodichloromethane	FB	Ave	8158 1136238	15958 1528878	178211	364406	769870	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 1238381	14077 1745706	173603	372659	804637	+++++ 120	2.00 160	20.0	40.0	80.0
cis-1,3-Dichloropropene	FB	Ave	8519 1551987	18255 2106821	228483	486640	1035465	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Methyl-2-pentanone	FB	Ave	8178 1570707	19538 2355919	221582	473635	1004550	1.00 120	2.00 160	20.0	40.0	80.0
Toluene	CBNZ d5	Ave	27702 4060070	55666 5462807	628513	1292759	2736607	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	7785 1396106	16155 1916205	202217	437495	925224	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl methacrylate	CBNZ d5	Ave	6274 1103650	12751 1577020	161455	341106	721275	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloroethane	CBNZ d5	Ave	4532 762512	10165 1035926	113496	238270	507706	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrachloroethene	CBNZ d5	Ave	4948 768410	9672 1023854	117849	244506	517816	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichloropropane	CBNZ d5	Ave	8984 1450233	19516 1997824	221065	464475	967841	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Hexanone	CBNZ d5	Ave	6241 1088092	14390 1650737	160647	337233	706635	1.00 120	2.00 160	20.0	40.0	80.0
Dibromochloromethane	CBNZ d5	Ave	5181 815216	10899 1090711	118615	251502	542126	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromoethane	CBNZ d5	Ave	4438 778183	9664 1056391	115351	244087	515866	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

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
Chlorobenzene	CBNZ d5	Ave	17594 2549862	36424 3397914	402133	821426	1712035	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	4549 852719	10431 1138000	123648	262687	567651	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethylbenzene	CBNZ d5	Ave	9293 1431518	18633 1929191	223253	454302	962905	0.500 60.0	1.00 80.0	10.0	20.0	40.0
m-Xylene & p-Xylene	CBNZ d5	Ave	10892 1781385	24002 2367809	279939	573719	1194807	0.500 60.0	1.00 80.0	10.0	20.0	40.0
o-Xylene	CBNZ d5	Ave	10884 1703394	23859 2246264	263432	542988	1136741	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Styrene	CBNZ d5	Ave	17536 2954966	36943 3912060	448451	929132	1969564	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromoform	CBNZ d5	Ave	+++++ 531442	6113 731357	74423	160571	353463	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Isopropylbenzene	CBNZ d5	Ave	27660 4470487	55829 5930097	684850	1416846	2980139	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	6508 982415	13831 1391550	153319	315280	655863	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromobenzene	DCBd 4	Ave	6557 1010659	13407 1333833	156880	320543	679485	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	1625 319849	4177 464990	47010	100556	209097	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichloropropane	DCBd 4	Ave	1571 318884	4675 436622	48914	99652	209961	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Propylbenzene	DCBd 4	Ave	8056 1279936	15927 1688886	196408	405880	859843	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chlorotoluene	DCBd 4	Ave	6737 1028394	14611 1383843	160736	335722	700979	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	22126 3723379	46198 4911300	569091	1180500	2488640	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Chlorotoluene	DCBd 4	Ave	6927 1089496	15113 1442777	166216	347766	732034	0.500 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butylbenzene	DCBd 4	Ave	19309 3251164	42188 4289646	498324	1017132	2169299	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	22590 3729148	46079 4928725	569510	1177597	2474867	0.500 60.0	1.00 80.0	10.0	20.0	40.0
sec-Butylbenzene	DCBd 4	Ave	29175 4959223	63102 6511452	753642	1546945	3274541	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCBd 4	Ave	13606 1977146	27512 2624230	305145	627848	1325539	0.500 60.0	1.00 80.0	10.0	20.0	40.0
p-Isopropyltoluene	DCBd 4	Ave	22949 4202110	51720 5495760	630124	1305800	2760680	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

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
1,4-Dichlorobenzene	DCBd 4	Ave	12980 1995080	27765 2631420	303610	636137	1328610	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Butylbenzene	DCBd 4	Ave	22510 3840736	48087 5098039	586498	1197652	2557423	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCBd 4	Ave	13014 1829565	26494 2436106	285133	587209	1222967	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 213428	2669 302448	31786	65116	137847	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	7436 1156764	16798 1490298	166144	355649	750378	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	DCBd 4	Ave	2697 553793	7271 718811	84522	174152	369714	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Naphthalene	DCBd 4	Ave	20175 3030750	43831 4052750	449577	941033	1977298	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	6344 994013	14240 1289238	150982	308993	649318	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromofluoromethane (Surr)	FB	Ave	5641 799380	11457 1044082	127943	259132	538563	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	6493 979070	14192 1285215	160219	312959	654581	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Toluene-d8 (Surr)	CBNZ d5	Ave	+++++ 3426463	44146 4543956	532995	1084530	2304949	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	+++++ 1247940	17279 1641474	195087	397425	831573	+++++ 60.0	1.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-439793/15	UXM29202.D
Level 2	STD8260 240-439793/14	UXM29201.D
Level 3	STD8260 240-439793/13	UXM29200.D
Level 4	ICIS 240-439793/12	UXM29199.D
Level 5	STD8260 240-439793/11	UXM29198.D
Level 6	STD8260 240-439793/10	UXM29197.D
Level 7	STD8260 240-439793/9	UXM29196.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Acetone	+++++	4.9						50				
n-Heptane	+++++	3.3						50				

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-439793/16 Calibration Date: 06/24/2020 12:42

Instrument ID: A3UX16 Calib Start Date: 06/24/2020 09:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/24/2020 12:17

Lab File ID: UXM29203.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2348	0.2739	0.1000	0.0233	0.0200	16.7	30.0
Chloromethane	Ave	0.2997	0.3288	0.1000	0.0219	0.0200	9.7	30.0
Vinyl chloride	Ave	0.2998	0.3430	0.1000	0.0229	0.0200	14.4	30.0
Butadiene	Ave	0.2636	0.3207		0.0243	0.0200	21.7	30.0
Bromomethane	Ave	0.1573	0.1452	0.0500	0.0185	0.0200	-7.7	30.0
Chloroethane	Ave	0.1856	0.2045	0.0500	0.0220	0.0200	10.2	30.0
Dichlorofluoromethane	Ave	0.4318	0.4662		0.0216	0.0200	8.0	30.0
Trichlorofluoromethane	Ave	0.3111	0.3630	0.1000	0.0233	0.0200	16.7	30.0
Ethyl ether	Ave	0.2064	0.2072		0.0201	0.0200	0.4	30.0
Acrolein	Ave	0.0259	0.0195		0.0750	0.100	-25.0	30.0
1,1-Dichloroethene	Ave	0.2212	0.2267	0.1000	0.0205	0.0200	2.5	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.1749	0.1755	0.0500	0.0201	0.0200	0.3	30.0
Acetone	Lin1		0.0233	0.0100	0.0368	0.0400	-8.0	50.0
Iodomethane	Ave	0.3260	0.3142		0.0193	0.0200	-3.6	30.0
Carbon disulfide	Ave	0.7294	0.7309	0.1000	0.0200	0.0200	0.2	30.0
Methyl acetate	Ave	0.1857	0.1749	0.1000	0.0377	0.0400	-5.8	50.0
3-Chloro-1-propene	Ave	0.4167	0.4028		0.0193	0.0200	-3.3	30.0
Methylene Chloride	Ave	0.2816	0.2729	0.1000	0.0194	0.0200	-3.1	50.0
tert-Butyl alcohol	Ave	0.0227	0.0209		0.184	0.200	-8.0	30.0
Acrylonitrile	Ave	0.1020	0.0972		0.190	0.200	-4.8	30.0
Methyl tert-butyl ether	Ave	0.6829	0.6592	0.1000	0.0193	0.0200	-3.5	30.0
trans-1,2-Dichloroethene	Ave	0.2618	0.2630	0.1000	0.0201	0.0200	0.5	30.0
Hexane	Ave	0.3942	0.3967		0.0201	0.0200	0.6	30.0
Vinyl acetate	Ave	0.3216	0.2913		0.0181	0.0200	-9.4	30.0
1,1-Dichloroethane	Ave	0.4736	0.4634	0.2000	0.0196	0.0200	-2.1	30.0
2-Butanone	Ave	0.0307	0.0282	0.0100	0.0367	0.0400	-8.2	50.0
cis-1,2-Dichloroethene	Ave	0.2902	0.2889	0.1000	0.0199	0.0200	-0.5	30.0
2,2-Dichloropropane	Ave	0.3876	0.3698		0.0191	0.0200	-4.6	30.0
Bromochloromethane	Ave	0.1240	0.1183		0.0191	0.0200	-4.6	30.0
Tetrahydrofuran	Ave	0.0763	0.0699		0.0366	0.0400	-8.5	30.0
Chloroform	Ave	0.4537	0.4284	0.2000	0.0189	0.0200	-5.6	30.0
1,1,1-Trichloroethane	Ave	0.3710	0.3644	0.1000	0.0196	0.0200	-1.8	30.0
Cyclohexane	Ave	0.4635	0.4701	0.1000	0.0203	0.0200	1.4	30.0
1,1-Dichloropropene	Ave	0.3684	0.3582		0.0194	0.0200	-2.8	30.0
Carbon tetrachloride	Ave	0.3003	0.2984	0.1000	0.0199	0.0200	-0.6	30.0
Isobutyl alcohol	Ave	0.0072	0.0066		0.460	0.500	-8.0	30.0
Benzene	Ave	1.108	1.071	0.5000	0.0193	0.0200	-3.3	30.0
1,2-Dichloroethane	Ave	0.3446	0.3274	0.1000	0.0190	0.0200	-5.0	30.0
n-Heptane	Lin1		0.2425		0.0188	0.0200	-6.2	30.0
Trichloroethene	Ave	0.2725	0.2708	0.1500	0.0199	0.0200	-0.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-439793/16 Calibration Date: 06/24/2020 12:42

Instrument ID: A3UX16 Calib Start Date: 06/24/2020 09:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/24/2020 12:17

Lab File ID: UXM29203.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4857	0.4671	0.1000	0.0192	0.0200	-3.8	30.0
1,2-Dichloropropane	Ave	0.2712	0.2655	0.1000	0.0196	0.0200	-2.1	30.0
1,4-Dioxane	Ave	0.0032	0.0030		0.380	0.400	-4.9	50.0
Dibromomethane	Ave	0.1446	0.1391		0.0192	0.0200	-3.8	30.0
Bromodichloromethane	Ave	0.3300	0.3246	0.1500	0.0197	0.0200	-1.6	30.0
2-Chloroethyl vinyl ether	Ave	0.1693	0.1592		0.0188	0.0200	-6.0	30.0
cis-1,3-Dichloropropene	Ave	0.4196	0.4056	0.1500	0.0193	0.0200	-3.3	50.0
4-Methyl-2-pentanone	Ave	0.2119	0.1997	0.0500	0.0377	0.0400	-5.8	50.0
Toluene	Ave	1.486	1.441	0.4000	0.0194	0.0200	-3.0	30.0
trans-1,3-Dichloropropene	Ave	0.4827	0.4413	0.1000	0.0183	0.0200	-8.6	30.0
Ethyl methacrylate	Ave	0.3837	0.3778		0.0197	0.0200	-1.5	30.0
1,1,2-Trichloroethane	Ave	0.2709	0.2643	0.1000	0.0195	0.0200	-2.5	30.0
Tetrachloroethene	Ave	0.2754	0.2686	0.1500	0.0195	0.0200	-2.5	30.0
1,3-Dichloropropane	Ave	0.5234	0.5062		0.0193	0.0200	-3.3	30.0
2-Hexanone	Ave	0.1945	0.1852	0.0500	0.0381	0.0400	-4.8	50.0
Dibromochloromethane	Ave	0.2899	0.2795		0.0193	0.0200	-3.6	30.0
1,2-Dibromoethane	Ave	0.2725	0.2658		0.0195	0.0200	-2.5	30.0
Chlorobenzene	Ave	0.9419	0.9092	0.3000	0.0193	0.0200	-3.5	30.0
1,1,1,2-Tetrachloroethane	Ave	0.2935	0.2902		0.0198	0.0200	-1.1	30.0
Ethylbenzene	Ave	0.5174	0.5036		0.0195	0.0200	-2.7	30.0
m-Xylene & p-Xylene	Ave	0.6426	0.6318		0.0197	0.0200	-1.7	30.0
o-Xylene	Ave	0.6173	0.6021		0.0195	0.0200	-2.5	30.0
Styrene	Ave	1.041	1.022	0.3000	0.0196	0.0200	-1.8	30.0
Bromoform	Ave	0.1881	0.1780	0.1000	0.0189	0.0200	-5.4	30.0
Isopropylbenzene	Ave	1.588	1.569	0.1000	0.0198	0.0200	-1.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6824	0.6396	0.3000	0.0187	0.0200	-6.3	30.0
Bromobenzene	Ave	0.6864	0.6661		0.0194	0.0200	-3.0	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2111	0.2054		0.0195	0.0200	-2.7	30.0
1,2,3-Trichloropropane	Ave	0.2125	0.2067		0.0195	0.0200	-2.7	30.0
n-Propylbenzene	Ave	0.8574	0.8263		0.0193	0.0200	-3.6	30.0
2-Chlorotoluene	Ave	0.7130	0.6736		0.0189	0.0200	-5.5	30.0
1,3,5-Trimethylbenzene	Ave	2.472	2.425		0.0196	0.0200	-1.9	30.0
4-Chlorotoluene	Ave	0.7416	0.7160		0.0193	0.0200	-3.5	30.0
tert-Butylbenzene	Ave	2.167	2.075		0.0192	0.0200	-4.2	30.0
1,2,4-Trimethylbenzene	Ave	2.477	2.420		0.0195	0.0200	-2.3	30.0
sec-Butylbenzene	Ave	3.280	3.158		0.0193	0.0200	-3.7	30.0
1,3-Dichlorobenzene	Ave	1.361	1.270	0.6000	0.0187	0.0200	-6.7	30.0
p-Isopropyltoluene	Ave	2.733	2.691		0.0197	0.0200	-1.5	30.0
1,4-Dichlorobenzene	Ave	1.359	1.291	0.5000	0.0190	0.0200	-5.0	30.0
n-Butylbenzene	Ave	2.543	2.424		0.0191	0.0200	-4.7	30.0
1,2-Dichlorobenzene	Ave	1.276	1.169	0.4000	0.0183	0.0200	-8.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-439793/16 Calibration Date: 06/24/2020 12:42

Instrument ID: A3UX16 Calib Start Date: 06/24/2020 09:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/24/2020 12:17

Lab File ID: UXM29203.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1452	0.1349	0.0500	0.0186	0.0200	-7.1	50.0
1,2,4-Trichlorobenzene	Ave	0.7751	0.7294	0.2000	0.0188	0.0200	-5.9	50.0
Hexachlorobutadiene	Ave	0.3610	0.3547		0.0196	0.0200	-1.8	50.0
Naphthalene	Ave	2.064	1.900		0.0184	0.0200	-7.9	50.0
1,2,3-Trichlorobenzene	Ave	0.6719	0.6528		0.0194	0.0200	-2.9	30.0
Dibromofluoromethane (Surr)	Ave	0.2321	0.2437		0.0210	0.0200	5.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2826	0.3016		0.0213	0.0200	6.7	30.0
Toluene-d8 (Surr)	Ave	1.258	1.326		0.0211	0.0200	5.4	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4625	0.5267		0.0228	0.0200	13.9	30.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: BFB6437.D BFB Injection Date: 06/26/2020

Instrument ID: A3UX16 BFB Injection Time: 00:02

Analysis Batch No.: 440070

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.3	
75	30.0 - 60.0 % of mass 95	46.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.3	(0.3) 1
174	50.0 - 120.00 % of mass 95	80.5	
175	5.0 - 9.0 % of mass 174	5.8	(7.2) 1
176	95.0 - 101.0 % of mass 174	78.5	(97.5) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-440070/3	UXM29279.D	06/26/2020	0:26
	CCV 240-440070/4	UXM29280.D	06/26/2020	0:50
	LCS 240-440070/5	UXM29281.D	06/26/2020	1:15
	MB 240-440070/8	UXM29284.D	06/26/2020	2:29
MSA-SW42B-061520	240-131928-18	UXM29285.D	06/26/2020	2:54
MSA-SW42C-061520	240-131928-19	UXM29286.D	06/26/2020	3:19
MSA-SW42D-061520	240-131928-20	UXM29287.D	06/26/2020	3:43
MSA-SW43A-061520	240-131928-21	UXM29288.D	06/26/2020	4:08
MSA-SW43B--061520	240-131928-22	UXM29289.D	06/26/2020	4:33
MSA-SW43C-061520	240-131928-23	UXM29290.D	06/26/2020	4:58
MSA-SW43D-061520	240-131928-24	UXM29291.D	06/26/2020	5:23
MSA-SW44A-061520	240-131928-25	UXM29292.D	06/26/2020	5:48
MSA-SW44B-061520	240-131928-26	UXM29293.D	06/26/2020	6:13
MSA-SW44C-061520	240-131928-27	UXM29294.D	06/26/2020	6:38
MSA-SW44D-061520	240-131928-28	UXM29295.D	06/26/2020	7:02
TB--061520	240-131928-29	UXM29296.D	06/26/2020	7:26
MSA-SW46A-061520	240-131928-30	UXM29297.D	06/26/2020	7:51
MSA-SW47A-061520	240-131928-31	UXM29298.D	06/26/2020	8:16
MSA-SW48A-061520	240-131928-32	UXM29299.D	06/26/2020	8:41
MSA-SW49A--061520	240-131928-33	UXM29300.D	06/26/2020	9:05
EL-SW01A-061520	240-131928-34	UXM29301.D	06/26/2020	9:30
EL-SW01B-061520	240-131928-35	UXM29302.D	06/26/2020	9:55
EL-SW01C-061520	240-131928-36	UXM29303.D	06/26/2020	10:19
EL-SW01D-061520	240-131928-37	UXM29304.D	06/26/2020	10:44

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440070/3 Calibration Date: 06/26/2020 00:26

Instrument ID: A3UX16 Calib Start Date: 06/24/2020 09:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/24/2020 12:17

Lab File ID: UXM29279.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2348	0.1983	0.1000	0.0169	0.0200	-15.6	20.0
Chloromethane	Ave	0.2997	0.2662	0.1000	0.0178	0.0200	-11.2	20.0
Vinyl chloride	Ave	0.2998	0.2767	0.1000	0.0185	0.0200	-7.7	20.0
Butadiene	Ave	0.2636	0.2298		0.0174	0.0200	-12.8	20.0
Bromomethane	Ave	0.1573	0.0876	0.0500	0.0111	0.0200	-44.3*	20.0
Chloroethane	Ave	0.1856	0.1707	0.0500	0.0184	0.0200	-8.0	20.0
Dichlorofluoromethane	Ave	0.4318	0.4060		0.0188	0.0200	-6.0	20.0
Trichlorofluoromethane	Ave	0.3111	0.2873	0.1000	0.0185	0.0200	-7.7	20.0
Ethyl ether	Ave	0.2064	0.1823		0.0177	0.0200	-11.7	20.0
Acrolein	Ave	0.0259	0.0200		0.0771	0.100	-22.9*	20.0
1,1-Dichloroethene	Ave	0.2212	0.1924	0.1000	0.0174	0.0200	-13.0	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.1749	0.1434	0.0500	0.0164	0.0200	-18.0	20.0
Acetone	Lin1		0.0198	0.0100	0.0308	0.0400	-22.9	50.0
Iodomethane	Ave	0.3260	0.2808		0.0172	0.0200	-13.9	20.0
Carbon disulfide	Ave	0.7294	0.6452	0.1000	0.0177	0.0200	-11.5	20.0
Methyl acetate	Ave	0.1857	0.1561	0.1000	0.0336	0.0400	-16.0	50.0
3-Chloro-1-propene	Ave	0.4167	0.3451		0.0166	0.0200	-17.2	20.0
Methylene Chloride	Ave	0.2816	0.2340	0.1000	0.0166	0.0200	-16.9	50.0
tert-Butyl alcohol	Ave	0.0227	0.0178		0.157	0.200	-21.4*	20.0
Acrylonitrile	Ave	0.1020	0.0881		0.173	0.200	-13.7	20.0
Methyl tert-butyl ether	Ave	0.6829	0.6059	0.1000	0.0177	0.0200	-11.3	20.0
trans-1,2-Dichloroethene	Ave	0.2618	0.2289	0.1000	0.0175	0.0200	-12.6	20.0
Hexane	Ave	0.3942	0.3206		0.0163	0.0200	-18.7	20.0
Vinyl acetate	Ave	0.3216	0.2361		0.0147	0.0200	-26.6*	20.0
1,1-Dichloroethane	Ave	0.4736	0.4179	0.2000	0.0177	0.0200	-11.7	20.0
2-Butanone	Ave	0.0307	0.0245	0.0100	0.0319	0.0400	-20.2	50.0
cis-1,2-Dichloroethene	Ave	0.2902	0.2526	0.1000	0.0174	0.0200	-13.0	20.0
2,2-Dichloropropane	Ave	0.3876	0.3015		0.0156	0.0200	-22.2*	20.0
Bromochloromethane	Ave	0.1240	0.1070		0.0173	0.0200	-13.7	20.0
Tetrahydrofuran	Ave	0.0763	0.0640		0.0335	0.0400	-16.2	20.0
Chloroform	Ave	0.4537	0.3910	0.2000	0.0172	0.0200	-13.8	20.0
1,1,1-Trichloroethane	Ave	0.3710	0.3257	0.1000	0.0176	0.0200	-12.2	20.0
Cyclohexane	Ave	0.4635	0.3969	0.1000	0.0171	0.0200	-14.4	20.0
1,1-Dichloropropene	Ave	0.3684	0.3287		0.0178	0.0200	-10.8	20.0
Carbon tetrachloride	Ave	0.3003	0.2697	0.1000	0.0180	0.0200	-10.2	20.0
Isobutyl alcohol	Ave	0.0072	0.0059		0.409	0.500	-18.1	20.0
Benzene	Ave	1.108	0.9802	0.5000	0.0177	0.0200	-11.6	20.0
1,2-Dichloroethane	Ave	0.3446	0.3040	0.1000	0.0176	0.0200	-11.8	20.0
n-Heptane	Lin1		0.2089		0.0158	0.0200	-20.9*	20.0
Trichloroethene	Ave	0.2725	0.2498	0.1500	0.0183	0.0200	-8.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440070/3 Calibration Date: 06/26/2020 00:26

Instrument ID: A3UX16 Calib Start Date: 06/24/2020 09:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/24/2020 12:17

Lab File ID: UXM29279.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4857	0.3962	0.1000	0.0163	0.0200	-18.4	20.0
1,2-Dichloropropane	Ave	0.2712	0.2432	0.1000	0.0179	0.0200	-10.3	20.0
1,4-Dioxane	Ave	0.0032	0.0025		0.315	0.400	-21.3	50.0
Dibromomethane	Ave	0.1446	0.1281		0.0177	0.0200	-11.4	20.0
Bromodichloromethane	Ave	0.3300	0.2905	0.1500	0.0176	0.0200	-12.0	20.0
2-Chloroethyl vinyl ether	Ave	0.1693	0.1470		0.0347	0.0400	-13.2	20.0
cis-1,3-Dichloropropene	Ave	0.4196	0.3736	0.1500	0.0178	0.0200	-10.9	50.0
4-Methyl-2-pentanone	Ave	0.2119	0.1830	0.0500	0.0345	0.0400	-13.6	50.0
Toluene	Ave	1.486	1.304	0.4000	0.0176	0.0200	-12.2	20.0
trans-1,3-Dichloropropene	Ave	0.4827	0.4316	0.1000	0.0179	0.0200	-10.6	20.0
Ethyl methacrylate	Ave	0.3837	0.3434		0.0179	0.0200	-10.5	20.0
1,1,2-Trichloroethane	Ave	0.2709	0.2460	0.1000	0.0182	0.0200	-9.2	20.0
Tetrachloroethene	Ave	0.2754	0.2332	0.1500	0.0169	0.0200	-15.3	20.0
1,3-Dichloropropane	Ave	0.5234	0.4753		0.0182	0.0200	-9.2	20.0
2-Hexanone	Ave	0.1945	0.1659	0.0500	0.0341	0.0400	-14.7	50.0
Dibromochloromethane	Ave	0.2899	0.2534		0.0175	0.0200	-12.6	20.0
1,2-Dibromoethane	Ave	0.2725	0.2449		0.0180	0.0200	-10.1	20.0
Chlorobenzene	Ave	0.9419	0.8225	0.3000	0.0175	0.0200	-12.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2935	0.2660		0.0181	0.0200	-9.4	20.0
Ethylbenzene	Ave	0.5174	0.4503		0.0174	0.0200	-13.0	20.0
m-Xylene & p-Xylene	Ave	0.6426	0.5596		0.0174	0.0200	-12.9	20.0
o-Xylene	Ave	0.6173	0.5436		0.0176	0.0200	-11.9	20.0
Styrene	Ave	1.041	0.9239	0.3000	0.0177	0.0200	-11.3	20.0
Bromoform	Ave	0.1881	0.1631	0.1000	0.0173	0.0200	-13.3	20.0
Isopropylbenzene	Ave	1.588	1.395	0.1000	0.0176	0.0200	-12.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6824	0.5527	0.3000	0.0162	0.0200	-19.0	20.0
Bromobenzene	Ave	0.6864	0.5978		0.0174	0.0200	-12.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2111	0.1688		0.0160	0.0200	-20.0	20.0
1,2,3-Trichloropropane	Ave	0.2125	0.1827		0.0172	0.0200	-14.0	20.0
n-Propylbenzene	Ave	0.8574	0.7319		0.0171	0.0200	-14.6	20.0
2-Chlorotoluene	Ave	0.7130	0.6128		0.0172	0.0200	-14.1	20.0
1,3,5-Trimethylbenzene	Ave	2.472	2.166		0.0175	0.0200	-12.4	20.0
4-Chlorotoluene	Ave	0.7416	0.6391		0.0172	0.0200	-13.8	20.0
tert-Butylbenzene	Ave	2.167	1.888		0.0174	0.0200	-12.8	20.0
1,2,4-Trimethylbenzene	Ave	2.477	2.174		0.0176	0.0200	-12.2	20.0
sec-Butylbenzene	Ave	3.280	2.818		0.0172	0.0200	-14.1	20.0
1,3-Dichlorobenzene	Ave	1.361	1.163	0.6000	0.0171	0.0200	-14.5	20.0
p-Isopropyltoluene	Ave	2.733	2.396		0.0175	0.0200	-12.3	20.0
1,4-Dichlorobenzene	Ave	1.359	1.183	0.5000	0.0174	0.0200	-12.9	20.0
n-Butylbenzene	Ave	2.543	2.187		0.0172	0.0200	-14.0	20.0
1,2-Dichlorobenzene	Ave	1.276	1.098	0.4000	0.0172	0.0200	-14.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440070/3 Calibration Date: 06/26/2020 00:26

Instrument ID: A3UX16 Calib Start Date: 06/24/2020 09:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/24/2020 12:17

Lab File ID: UXM29279.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1452	0.1201	0.0500	0.0165	0.0200	-17.3	50.0
1,2,4-Trichlorobenzene	Ave	0.7751	0.6408	0.2000	0.0165	0.0200	-17.3	50.0
Hexachlorobutadiene	Ave	0.3610	0.3031		0.0168	0.0200	-16.0	50.0
Naphthalene	Ave	2.064	1.674		0.0162	0.0200	-18.9	50.0
1,2,3-Trichlorobenzene	Ave	0.6719	0.5760		0.0171	0.0200	-14.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2321	0.2366		0.0204	0.0200	1.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2826	0.2981		0.0211	0.0200	5.5	20.0
Toluene-d8 (Surr)	Ave	1.258	1.301		0.0207	0.0200	3.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4625	0.5135		0.0222	0.0200	11.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCV 240-440070/4 Calibration Date: 06/26/2020 00:50

Instrument ID: A3UX16 Calib Start Date: 05/18/2020 13:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/18/2020 15:56

Lab File ID: UXM29280.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0338	0.0326		0.193	0.200	-3.7	20.0
Diisopropyl ether	Ave	0.2462	0.1855		0.0151	0.0200	-24.7*	20.0
2-Chloro-1,3-butadiene	Ave	0.4163	0.3459		0.0166	0.0200	-16.9	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7263	0.6356		0.0175	0.0200	-12.5	20.0
Ethyl acetate	Ave	0.1886	0.1847		0.0392	0.0400	-2.1	20.0
Propionitrile	Ave	0.0369	0.0344		0.187	0.200	-6.7	20.0
Methacrylonitrile	Ave	0.1342	0.1358		0.202	0.200	1.2	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.7175	0.5690		0.0159	0.0200	-20.7*	20.0
n-Butanol	Ave	0.0057	0.0052		0.459	0.500	-8.2	20.0
Ethyl acrylate	Ave	0.2581	0.2401		0.0186	0.0200	-7.0	20.0
Methyl methacrylate	Ave	0.1730	0.1705		0.0394	0.0400	-1.5	20.0
2-Nitropropane	Ave	0.0674	0.0485		0.0288	0.0400	-28.1*	20.0
n-Butyl acetate	Ave	0.2972	0.2721		0.0183	0.0200	-8.4	20.0
1-Chlorohexane	Ave	0.5712	0.3987		0.0140	0.0200	-30.2*	20.0
Cyclohexanone	Ave	0.0183	0.0168		0.183	0.200	-8.4	20.0
Pentachloroethane	Lin1		0.0230		0.00484	0.0400	-87.9*	20.0
1,2,3-Trimethylbenzene	Ave	2.714	2.009		0.0148	0.0200	-26.0*	20.0
Benzyl chloride	Ave	0.3360	0.1780		0.0106	0.0200	-47.0*	20.0
1,3,5-Trichlorobenzene	Ave	1.038	0.7301		0.0141	0.0200	-29.7*	20.0
2-Methylnaphthalene	Ave	1.186	0.7311		0.0247	0.0400	-38.4*	20.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: bfb036.d BFB Injection Date: 07/24/2018

Instrument ID: A3UX19 BFB Injection Time: 17:22

Analysis Batch No.: 337766

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.1	
75	30.0 - 60.0 % of mass 95	53.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	1.1	(1.2) 1
174	50.0 - 120.00 % of mass 95	84.3	
175	5.0 - 9.0 % of mass 174	6.2	(7.4) 1
176	95.0 - 101.0 % of mass 174	80.7	(95.7) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-337766/2	U1900783.d	07/24/2018	17:50
	STD8260 240-337766/3	U1900784.d	07/24/2018	18:13
	STD8260 240-337766/9	U1900790.d	07/24/2018	18:35
	ICIS 240-337766/10	U1900791.d	07/24/2018	18:57
	STD8260 240-337766/11	U1900792.d	07/24/2018	19:20
	STD8260 240-337766/12	U1900793.d	07/24/2018	19:42
	STD8260 240-337766/13	U1900794.d	07/24/2018	20:04

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-337766/13	U1900794.d
Level 2	STD8260 240-337766/12	U1900793.d
Level 3	STD8260 240-337766/11	U1900792.d
Level 4	ICIS 240-337766/10	U1900791.d
Level 5	STD8260 240-337766/9	U1900790.d
Level 6	STD8260 240-337766/3	U1900784.d
Level 7	STD8260 240-337766/2	U1900783.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2985 0.3869	0.3275 0.3899	0.3189	0.3531	0.3613	Ave		0.3480			0.1000	10.0		20.0			
Chloromethane	0.3558 0.3258	0.3705 0.3191	0.3263	0.3392	0.3223	Ave		0.3370			0.1000	5.8		20.0			
Butadiene	0.3408 0.3374	0.3424 0.3377	0.2895	0.3248	0.3219	Ave		0.3278				5.7		20.0			
Vinyl chloride	0.2746 0.3390	0.3544 0.3374	0.3113	0.3366	0.3288	Ave		0.3260			0.1000	8.0		20.0			
Bromomethane	0.2749 0.2254	0.2866 0.2173	0.2405	0.2466	0.2251	Ave		0.2452			0.0500	10.8		20.0			
Chloroethane	0.2109 0.1921	0.2097 0.1854	0.1960	0.2032	0.1901	Ave		0.1982			0.0500	5.0		20.0			
Dichlorofluoromethane	0.5221 0.4475	0.4917 0.4372	0.4526	0.4727	0.4486	Ave		0.4675				6.5		20.0			
Trichlorofluoromethane	0.4494 0.4561	0.4680 0.4427	0.3932	0.4472	0.4396	Ave		0.4423			0.1000	5.3		20.0			
Ethyl ether	0.2193 0.1979	0.2111 0.1891	0.1902	0.1939	0.1890	Ave		0.1987				6.0		20.0			
Acrolein	0.0586 0.0546	0.0507 0.0535	0.0446	0.0490	0.0542	Ave		0.0522				8.7		20.0			
1,1-Dichloroethene	0.3808 0.3850	0.3828 0.3735	0.3902	0.3740	0.3655	Ave		0.3788			0.1000	2.2		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2602 0.2706	0.2860 0.2683	0.2820	0.2661	0.2580	Ave		0.2702			0.0500	3.9		20.0			
Acetone	+++++ 0.0784	0.0790 0.0643	0.0549	0.0580	0.0606	Ave		0.0659			0.0100	15.8		20.0			
Iodomethane	0.4645 0.4649	0.4824 0.4542	0.4796	0.4736	0.4610	Ave		0.4686				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
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

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								
Carbon disulfide	1.0264 0.7904	0.9769 0.7703	0.8143	0.7839	0.7630	Ave		0.8465			0.1000	12.8		20.0			
3-Chloro-1-propene	0.4236 0.3955	0.4245 0.3845	0.3864	0.3828	0.3812	Ave		0.3969				4.8		20.0			
Methyl acetate	0.2893 0.2388	0.2199 0.2093	0.2069	0.2105	0.2113	Ave		0.2266			0.1000	13.1		20.0			
Methylene Chloride	+++++ 0.2977	0.3380 0.2854	0.3031	0.3009	0.2892	Ave		0.3024			0.1000	6.2		20.0			
2-Methyl-2-propanol	+++++ 0.0272	0.0286 +++++	0.0233	0.0231	0.0210	Ave		0.0246				12.8		20.0			
Acrylonitrile	0.1149 0.1149	0.0936 0.0991	0.0942	0.0985	0.1008	Ave		0.1023				8.8		20.0			
trans-1,2-Dichloroethene	0.4272 0.3621	0.3980 0.3508	0.3681	0.3544	0.3490	Ave		0.3728			0.1000	7.8		20.0			
Methyl tert-butyl ether	0.6889 0.7038	0.7226 0.6502	0.7037	0.7046	0.6888	Ave		0.6946			0.1000	3.3		20.0			
Hexane	0.4016 0.4127	0.4088 0.4136	0.4369	0.3839	0.3905	Ave		0.4069				4.3		20.0			
1,1-Dichloroethane	0.4297 0.4479	0.4309 0.4358	0.4483	0.4451	0.4391	Ave		0.4395			0.2000	1.8		20.0			
Vinyl acetate	0.4180 0.4211	0.3784 0.4083	0.3943	0.3850	0.3928	Ave		0.3997				4.1		20.0			
cis-1,2-Dichloroethene	0.3259 0.3058	0.3308 0.2928	0.3020	0.3030	0.2971	Ave		0.3082			0.1000	4.7		20.0			
2-Butanone (MEK)	+++++ 0.0411	0.0357 0.0381	0.0358	0.0358	0.0391	Ave		0.0376			0.0100	6.0		20.0			
2,2-Dichloropropane	0.2667 0.2404	0.2856 0.2633	0.2822	0.2661	0.2457	Ave		0.2643				6.4		20.0			
Chlorobromomethane	0.2447 0.2004	0.2207 0.1830	0.1878	0.1937	0.1884	Ave		0.2027				11.0		20.0			
Tetrahydrofuran	0.0995 0.1054	0.1040 0.0940	0.0907	0.0913	0.0950	Ave		0.0971				6.1		20.0			
Chloroform	0.4629 0.4616	0.4798 0.4429	0.4485	0.4541	0.4433	Ave		0.4561			0.2000	2.9		20.0			
1,1,1-Trichloroethane	0.3956 0.4177	0.3988 0.4154	0.4324	0.4070	0.4089	Ave		0.4108			0.1000	3.0		20.0			
Cyclohexane	0.4246 0.4364	0.4382 0.4292	0.4507	0.4156	0.4161	Ave		0.4301			0.1000	3.0		20.0			
1,1-Dichloropropene	0.3755 0.3758	0.3903 0.3692	0.3840	0.3595	0.3614	Ave		0.3737				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, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

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								
Carbon tetrachloride	0.3639 0.3981	0.3846 0.3917	0.3944	0.3722	0.3729	Ave		0.3825			0.1000	3.4		20.0			
Isobutyl alcohol	0.0095 0.0104	0.0071 0.0087	0.0088	0.0079	0.0092	Ave		0.0088				12.2		20.0			
Benzene	0.9890 1.0452	1.0827 1.0051	1.0373	1.0007	1.0215	Ave		1.0259			0.5000	3.1		20.0			
1,2-Dichloroethane	0.3674 0.3257	0.3549 0.3127	0.3205	0.3110	0.3150	Ave		0.3296			0.1000	6.8		20.0			
n-Heptane	+++++ 0.2252	0.7970 0.2266	0.2839	0.2324	0.2217	Lin1	0.5799	0.2147				4.3			0.9990		0.9900
Trichloroethene	0.3122 0.3167	0.3258 0.3140	0.3258	0.3068	0.3105	Ave		0.3160			0.1500	2.3		20.0			
Methylcyclohexane	0.4985 0.5342	0.5073 0.5200	0.5394	0.4970	0.4957	Ave		0.5132			0.1000	3.6		20.0			
1,2-Dichloropropane	0.2050 0.2404	0.2394 0.2326	0.2309	0.2270	0.2376	Ave		0.2304			0.1000	5.3		20.0			
Dibromomethane	0.2379 0.2151	0.2154 0.2010	0.2009	0.2115	0.2105	Ave		0.2132				5.8		20.0			
1,4-Dioxane	+++++ 0.0024	0.0017 0.0024	0.0024	0.0024	0.0023	Ave		0.0023				13.5		20.0			
Dichlorobromomethane	0.3232 0.3408	0.3027 0.3295	0.3203	0.3127	0.3310	Ave		0.3229			0.1500	3.9		20.0			
2-Chloroethyl vinyl ether	0.1601 0.1755	0.1580 0.1783	0.1797	0.1698	0.1774	Ave		0.1713				5.2		20.0			
cis-1,3-Dichloropropene	0.3599 0.3873	0.3811 0.3872	0.3686	0.3735	0.3865	Ave		0.3777			0.1500	2.8		20.0			
4-Methyl-2-pentanone (MIBK)	0.2834 0.3221	0.2998 0.3046	0.3240	0.2983	0.3095	Ave		0.3059			0.0500	4.6		20.0			
Toluene	1.5618 1.4027	1.4672 1.4180	1.4098	1.3276	1.3894	Ave		1.4252			0.4000	5.1		20.0			
trans-1,3-Dichloropropene	0.4760 0.4702	0.4587 0.4631	0.4478	0.4252	0.4649	Ave		0.4580			0.1000	3.7		20.0			
Ethyl methacrylate	0.4185 0.4604	0.4061 0.4531	0.4309	0.4112	0.4583	Ave		0.4341				5.3		20.0			
1,1,2-Trichloroethane	0.2547 0.2895	0.2773 0.2862	0.2834	0.2725	0.2908	Ave		0.2792			0.1000	4.5		20.0			
Tetrachloroethene	0.4086 0.4320	0.4228 0.4317	0.4309	0.4048	0.4173	Ave		0.4212			0.1500	2.7		20.0			
1,3-Dichloropropane	0.4853 0.4890	0.5028 0.4855	0.4893	0.4635	0.4865	Ave		0.4860				2.4		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, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.2860 0.3061	0.2740 0.2989	0.3048	0.2770	0.2999	Ave		0.2924			0.0500	4.5		20.0			
Chlorodibromomethane	0.3153 0.3531	0.3347 0.3456	0.3254	0.3197	0.3424	Ave		0.3337				4.2		20.0			
Ethylene Dibromide	0.3316 0.3186	0.3371 0.3125	0.3153	0.3013	0.3163	Ave		0.3190				3.8		20.0			
Chlorobenzene	0.9988 0.9439	1.0195 0.9268	0.9392	0.9052	0.9346	Ave		0.9526			0.3000	4.3		20.0			
1,1,1,2-Tetrachloroethane	0.2852 0.3466	0.3288 0.3341	0.3290	0.3310	0.3341	Ave		0.3270				5.9		20.0			
Ethylbenzene	0.4594 0.5246	0.5226 0.5211	0.5127	0.4996	0.5108	Ave		0.5073				4.5		20.0			
m-Xylene & p-Xylene	0.6169 0.6437	0.6148 0.6359	0.6355	0.6137	0.6232	Ave		0.6262				1.9		20.0			
o-Xylene	0.5941 0.6233	0.5896 0.6029	0.6245	0.6014	0.5968	Ave		0.6047				2.3		20.0			
Styrene	0.9580 1.0545	0.9583 1.0320	1.0135	0.9872	1.0201	Ave		1.0034			0.3000	3.7		20.0			
Bromoform	+++++ 0.2846	0.2440 0.2826	0.2606	0.2566	0.2726	Ave		0.2668			0.1000	6.0		20.0			
Isopropylbenzene	1.5546 1.6483	1.5581 1.6164	1.6482	1.5866	1.5868	Ave		1.5999			0.1000	2.4		20.0			
1,1,2,2-Tetrachloroethane	0.7561 0.8073	0.8321 0.7913	0.8175	0.7659	0.8099	Ave		0.7972			0.3000	3.5		20.0			
Bromobenzene	0.8153 0.7490	0.7267 0.7427	0.7731	0.7237	0.7577	Ave		0.7555				4.2		20.0			
1,2,3-Trichloropropane	0.3160 0.2796	0.2566 0.2769	0.2966	0.2651	0.2852	Ave		0.2823				7.0		20.0			
trans-1,4-Dichloro-2-butene	0.2699 0.2473	0.2213 0.2516	0.2435	0.2261	0.2517	Ave		0.2445				6.7		20.0			
N-Propylbenzene	0.7798 0.8210	0.7523 0.8202	0.8514	0.7731	0.8029	Ave		0.8001				4.2		20.0			
2-Chlorotoluene	0.6509 0.6957	0.7125 0.6833	0.7132	0.6770	0.6858	Ave		0.6883				3.1		20.0			
1,3,5-Trimethylbenzene	2.0585 2.3418	2.1282 2.3386	2.4321	2.2627	2.2905	Ave		2.2646				5.7		20.0			
4-Chlorotoluene	0.7199 0.7173	0.7260 0.7141	0.7528	0.6936	0.7171	Ave		0.7201				2.4		20.0			
tert-Butylbenzene	2.0893 2.2086	2.2305 2.1805	2.3049	2.0958	2.1272	Ave		2.1767				3.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.3016 2.3641	2.3139 2.3974	2.4350	2.3225	2.3165	Ave		2.3501				2.1		20.0			
sec-Butylbenzene	2.8312 3.0965	2.8639 3.1341	3.2011	2.9684	2.9595	Ave		3.0078				4.6		20.0			
1,3-Dichlorobenzene	1.6206 1.4203	1.5501 1.4165	1.4543	1.3821	1.4074	Ave		1.4645			0.6000	6.0		20.0			
4-Isopropyltoluene	2.3868 2.6740	2.3755 2.7456	2.7383	2.5786	2.5586	Ave		2.5796				5.9		20.0			
1,4-Dichlorobenzene	1.7882 1.4335	1.6574 1.4328	1.4853	1.4002	1.4320	Ave		1.5185			0.5000	9.7		20.0			
n-Butylbenzene	2.0220 2.3242	2.1252 2.3914	2.3447	2.2111	2.1782	Ave		2.2281				5.9		20.0			
1,2-Dichlorobenzene	1.3936 1.3079	1.4283 1.3217	1.3446	1.2913	1.2861	Ave		1.3391			0.4000	4.0		20.0			
1,2-Dibromo-3-Chloropropane	0.2394 0.2501	0.2225 0.2556	0.2287	0.2293	0.2369	Ave		0.2375			0.0500	5.0		20.0			
1,2,4-Trichlorobenzene	1.0063 0.8577	1.0084 0.9508	0.8893	0.8765	0.8484	Ave		0.9196			0.2000	7.4		20.0			
Hexachlorobutadiene	0.4988 0.4431	0.5134 0.5128	0.4874	0.4604	0.4444	Ave		0.4800				6.4		20.0			
Naphthalene	2.5280 2.5374	2.6896 2.7560	2.5594	2.5256	2.5586	Ave		2.5935				3.5		20.0			
1,2,3-Trichlorobenzene	0.8270 0.7867	0.8451 0.9084	0.8355	0.8114	0.8072	Ave		0.8316				4.7		20.0			
Dibromofluoromethane (Surr)	0.2924 0.2586	0.2650 0.2453	0.2515	0.2531	0.2466	Ave		0.2589				6.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3213 0.2669	0.3001 0.2485	0.2625	0.2659	0.2555	Ave		0.2744				9.6		20.0			
Toluene-d8 (Surr)	1.2522 1.2151	1.2033 1.2031	1.2111	1.1433	1.2004	Ave		1.2041				2.7		20.0			
4-Bromofluorobenzene (Surr)	0.5696 0.4390	0.4918 0.4279	0.4472	0.4315	0.4318	Ave		0.4627				11.2		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, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-337766/13	U1900794.d
Level 2	STD8260 240-337766/12	U1900793.d
Level 3	STD8260 240-337766/11	U1900792.d
Level 4	ICIS 240-337766/10	U1900791.d
Level 5	STD8260 240-337766/9	U1900790.d
Level 6	STD8260 240-337766/3	U1900784.d
Level 7	STD8260 240-337766/2	U1900783.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	6894 1134505	14647 1522047	151920	328230	708511	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloromethane	FB	Ave	8217 955231	16570 1245553	155433	315290	632033	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Butadiene	FB	Ave	7871 989374	15313 1318121	137925	301883	631099	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl chloride	FB	Ave	6342 993940	15847 1317064	148293	312915	644632	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromomethane	FB	Ave	6350 660888	12818 848050	114577	229239	441425	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloroethane	FB	Ave	4872 563348	9377 723733	93395	188891	372825	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dichlorofluoromethane	FB	Ave	12059 1312016	21989 1706469	215631	439391	879608	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Trichlorofluoromethane	FB	Ave	10381 1337225	20928 1728039	187339	415720	861954	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl ether	FB	Ave	5066 580370	9442 738330	90620	180269	370565	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acrolein	FB	Ave	6772 800130	11339 1043418	106196	227879	531628	2.50 300	5.00 400	50.0	100	200
1,1-Dichloroethene	FB	Ave	8796 1128785	17119 1458107	185910	347690	716665	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	6009 793296	12789 1047375	134365	247358	505930	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acetone	FB	Ave	+++++ 459712	7064 501797	52355	107763	237768	+++++ 120	2.00 160	20.0	40.0	80.0
Iodomethane	FB	Ave	10728 1363038	21574 1772860	228493	440198	903919	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon disulfide	FB	Ave	23708 2317545	43688 3006958	387941	728690	1496184	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

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
3-Chloro-1-propene	FB	Ave	9784 1159498	18985 1500878	184068	355801	747474	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methyl acetate	FB	Ave	13362 1400331	19667 1633788	197122	391356	828794	1.00 120	2.00 160	20.0	40.0	80.0
Methylene Chloride	FB	Ave	+++++ 872855	15117 1113978	144386	279726	566982	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
2-Methyl-2-propanol	FB	Ave	+++++ 798354	12788 +++++	110777	215092	411966	+++++ 600	10.0 +++++	100	200	400
Acrylonitrile	FB	Ave	26540 3368428	41875 3868018	448754	915892	1977138	5.00 600	10.0 800	100	200	400
trans-1,2-Dichloroethene	FB	Ave	9868 1061569	17800 1369327	175373	329454	684359	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methyl tert-butyl ether	FB	Ave	15911 2063462	32315 2537900	335243	654948	1350698	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexane	FB	Ave	9277 1210166	18280 1614587	208123	356826	765779	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloroethane	FB	Ave	9924 1313347	19272 1701003	213583	413734	860929	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl acetate	FB	Ave	9654 1234805	16923 1593713	187841	357825	770166	0.500 60.0	1.00 80.0	10.0	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	7528 896669	14795 1142993	143871	281663	582599	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Butanone (MEK)	FB	Ave	+++++ 241145	3193 297238	34072	66486	153177	+++++ 120	2.00 160	20.0	40.0	80.0
2,2-Dichloropropane	FB	Ave	6159 704769	12773 1027916	134434	247316	481767	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chlorobromomethane	FB	Ave	5651 587580	9868 714392	89489	180080	369472	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrahydrofuran	FB	Ave	4596 618274	9301 734202	86462	169823	372381	1.00 120	2.00 160	20.0	40.0	80.0
Chloroform	FB	Ave	10692 1353439	21458 1728769	213657	422069	869181	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1-Trichloroethane	FB	Ave	9137 1224716	17835 1621508	206006	378348	801860	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Cyclohexane	FB	Ave	9806 1279473	19597 1675220	214696	386296	815868	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloropropene	FB	Ave	8674 1102013	17455 1441115	182947	334178	708682	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon tetrachloride	FB	Ave	8406 1167256	17198 1528972	187898	345961	731238	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isobutyl alcohol	FB	Ave	5482 758926	7910 849021	105355	183028	449380	12.5 1500	25.0 2000	250	500	1000

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

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
Benzene	FB	Ave	22844 3064496	48419 3923346	494183	930203	2003056	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane	FB	Ave	8485 954899	15873 1220640	152677	289097	617748	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Heptane	FB	Lin1	+++++ 660181	35642 884598	135257	216048	434651	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Trichloroethene	FB	Ave	7211 928718	14571 1225880	155201	285190	608912	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	11515 1566351	22689 2029926	256970	461990	972024	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloropropane	FB	Ave	4734 704987	10704 908144	110015	210992	465852	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromomethane	FB	Ave	5496 630606	9635 784539	95707	196594	412829	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,4-Dioxane	FB	Ave	+++++ 142512	1478 187742	23290	43840	91591	+++++ 1200	20.0 1600	200	400	800
Dichlorobromomethane	FB	Ave	7466 999127	13539 1286301	152581	290639	649042	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chloroethyl vinyl ether	FB	Ave	7395 1029389	14128 1392220	171233	315645	695808	1.00 120	2.00 160	20.0	40.0	80.0
cis-1,3-Dichloropropene	FB	Ave	8313 1135535	17042 1511629	175580	347181	757793	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	13091 1889071	26811 2377711	308673	554613	1213622	1.00 120	2.00 160	20.0	40.0	80.0
Toluene	CBNZ d5	Ave	28549 3229981	51989 4260144	544060	985962	2123092	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	8702 1082760	16254 1391341	172822	315763	710372	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl methacrylate	CBNZ d5	Ave	7650 1060082	14391 1361372	166277	305349	700245	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloroethane	CBNZ d5	Ave	4656 666583	9825 859718	109350	202390	444369	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrachloroethene	CBNZ d5	Ave	7470 994717	14983 1297004	166266	300622	637692	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichloropropane	CBNZ d5	Ave	8871 1126088	17817 1458618	188817	344194	743433	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Hexanone	CBNZ d5	Ave	10457 1409861	19416 1795814	235229	411400	916606	1.00 120	2.00 160	20.0	40.0	80.0
Chlorodibromomethane	CBNZ d5	Ave	5763 813124	11860 1038431	125585	237418	523153	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethylene Dibromide	CBNZ d5	Ave	6061 733594	11944 938884	121691	223763	483377	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

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
Chlorobenzene	CBNZ d5	Ave	18258 2173534	36126 2784427	362449	672294	1428038	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5213 798193	11650 1003714	126948	245845	510579	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethylbenzene	CBNZ d5	Ave	8398 1207976	18517 1565528	197845	371072	780525	0.500 60.0	1.00 80.0	10.0	20.0	40.0
m-Xylene & p-Xylene	CBNZ d5	Ave	11276 1482266	21784 1910562	245222	455770	952249	0.500 60.0	1.00 80.0	10.0	20.0	40.0
o-Xylene	CBNZ d5	Ave	10860 1435324	20892 1811249	240986	446659	911893	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Styrene	CBNZ d5	Ave	17512 2428268	33956 3100442	391122	733164	1558780	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromoform	CBNZ d5	Ave	+++++ 655265	8645 849153	100560	190577	416502	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Isopropylbenzene	CBNZ d5	Ave	28418 3795594	55210 4856288	636049	1178300	2424662	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	8105 1065677	17817 1352703	173948	331847	686661	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromobenzene	DCBd 4	Ave	8740 988831	15559 1269533	164497	313555	642419	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichloropropane	DCBd 4	Ave	3387 369092	5494 473318	63108	114884	241838	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2893 326498	4738 430124	51819	97955	213375	0.500 60.0	1.00 80.0	10.0	20.0	40.0
N-Propylbenzene	DCBd 4	Ave	8359 1083875	16107 1402046	181166	334963	680756	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chlorotoluene	DCBd 4	Ave	6977 918378	15255 1168008	151745	293354	581507	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	22067 3091430	45567 3997648	517511	980405	1942019	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Chlorotoluene	DCBd 4	Ave	7717 946982	15545 1220622	160173	300515	607997	0.500 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butylbenzene	DCBd 4	Ave	22397 2915643	47758 3727392	490442	908078	1803602	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	24672 3120829	49545 4098181	518127	1006317	1964040	0.500 60.0	1.00 80.0	10.0	20.0	40.0
sec-Butylbenzene	DCBd 4	Ave	30350 4087764	61320 5357379	681132	1286147	2509293	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCBd 4	Ave	17372 1874897	33191 2421314	309437	598840	1193296	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Isopropyltoluene	DCBd 4	Ave	25586 3530033	50862 4693383	582655	1117286	2169356	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

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
1,4-Dichlorobenzene	DCBd 4	Ave	19169 1892443	35488 2449293	316046	606688	1214157	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Butylbenzene	DCBd 4	Ave	21675 3068191	45503 4087812	498908	958018	1846843	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCBd 4	Ave	14939 1726550	30581 2259323	286113	559506	1090448	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	2566 330105	4764 436864	48670	99335	200822	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	10787 1132196	21592 1625332	189226	379757	719342	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	DCBd 4	Ave	5347 584967	10992 876579	103707	199490	376786	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Naphthalene	DCBd 4	Ave	27099 3349616	57589 4711177	544587	1094286	2169342	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	8865 1038523	18094 1552764	177768	351575	684438	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromofluoromethane (Surr)	FB	Ave	6754 758227	11849 957680	119809	235239	483501	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	7422 782592	13421 970142	125069	247201	501017	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Toluene-d8 (Surr)	CBNZ d5	Ave	22890 2798059	42636 3614422	467380	849081	1834190	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	10413 1010844	17427 1285631	172585	320453	659738	0.500 60.0	1.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-337766/13	U1900794.d
Level 2	STD8260 240-337766/12	U1900793.d
Level 3	STD8260 240-337766/11	U1900792.d
Level 4	ICIS 240-337766/10	U1900791.d
Level 5	STD8260 240-337766/9	U1900790.d
Level 6	STD8260 240-337766/3	U1900784.d
Level 7	STD8260 240-337766/2	U1900783.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
n-Heptane	+++++	1.1						50				

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: bfb037.d BFB Injection Date: 07/25/2018

Instrument ID: A3UX19 BFB Injection Time: 11:28

Analysis Batch No.: 337917

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.4	
75	30.0 - 60.0 % of mass 95	52.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	1.1	(1.3) 1
174	50.0 - 120.00 % of mass 95	82.7	
175	5.0 - 9.0 % of mass 174	6.4	(7.8) 1
176	95.0 - 101.0 % of mass 174	80.3	(97.1) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STDA9 240-337917/8	U1900802.d	07/25/2018	13:24
	STDA9 240-337917/9	U1900803.d	07/25/2018	13:46
	STDA9 240-337917/10	U1900804.d	07/25/2018	14:08
	STDA9 240-337917/11	U1900805.d	07/25/2018	14:30
	STDA9 240-337917/12	U1900806.d	07/25/2018	14:52
	STDA9 240-337917/13	U1900807.d	07/25/2018	15:15
	ICV 240-337917/14	U1900808.d	07/25/2018	15:37

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337917

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/25/2018 13:24 Calibration End Date: 07/25/2018 15:15 Calibration ID: 46243

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-337917/13	U1900807.d
Level 2	STDA9 240-337917/12	U1900806.d
Level 3	STDA9 240-337917/11	U1900805.d
Level 4	STDA9 240-337917/10	U1900804.d
Level 5	STDA9 240-337917/9	U1900803.d
Level 6	STDA9 240-337917/8	U1900802.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 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	0.0267 0.0420	0.0243	0.0339	0.0383	0.0393	Lin1	-0.123	0.0406				15.8			0.9970		0.9900
Diisopropyl ether	0.2480 0.2295	0.2266	0.2186	0.2314	0.2335	Ave		0.2313				4.2		20.0			
2-Chloro-1,3-butadiene	0.4103 0.4183	0.3468	0.3861	0.4073	0.4185	Ave		0.3979				7.0		20.0			
Ethyl-t-butyl ether (ETBE)	0.6986 0.7570	0.7116	0.6979	0.7473	0.7423	Ave		0.7258				3.6		20.0			
Ethyl acetate	0.3112 0.3333	0.2920	0.2787	0.2931	0.2963	Ave		0.3007				6.3		20.0			
Propionitrile	0.0310 0.0489	0.0345	0.0381	0.0469	0.0451	Ave		0.0408				17.8		20.0			
Methacrylonitrile	0.1725 0.1953	0.1825	0.1747	0.1831	0.1889	Ave		0.1828				4.7		20.0			
Tert-amyl-methyl ether (TAME)	0.7358 0.8075	0.7777	0.7365	0.7842	0.7786	Ave		0.7700				3.7		20.0			
n-Butanol	0.0093 0.0103	0.0088	0.0085	0.0096	0.0096	Ave		0.0094				7.2		20.0			
Ethyl acrylate	0.3503 0.4100	0.3368	0.3674	0.3811	0.3761	Ave		0.3703				6.9		20.0			
Methyl methacrylate	0.2597 0.2591	0.2305	0.2383	0.2454	0.2423	Ave		0.2459				4.7		20.0			
2-Nitropropane	0.0701 0.0817	0.0670	0.0681	0.0750	0.0735	Ave		0.0726				7.5		20.0			
n-Butyl acetate	0.5119 0.5820	0.5042	0.5279	0.5447	0.5478	Ave		0.5364				5.3		20.0			
1-Chlorohexane	0.5172 0.4745	0.4432	0.4302	0.4451	0.4558	Ave		0.4610				6.8		20.0			
Cyclohexanone	0.0133 0.0157	0.0130	0.0126	0.0136	0.0138	Ave		0.0137				7.9		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, Canton Job No.: 240-131928-1 Analy Batch No.: 337917

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/25/2018 13:24 Calibration End Date: 07/25/2018 15:15 Calibration ID: 46243

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 3	LVL 4	LVL 5		B	M1	M2								
Pentachloroethane	0.3347 0.3690	0.3068	0.3632	0.3574	0.3461	Ave		0.3462				6.6		20.0			
1,2,3-Trimethylbenzene	2.1501 2.3751	2.2616	2.2092	2.3745	2.2840	Ave		2.2757				3.9		20.0			
Benzyl chloride	1.0405 1.5547	1.1450	1.1839	1.3693	1.4244	Ave		1.2863				15.1		20.0			
1,3,5-Trichlorobenzene	1.0658 1.0430	1.1076	0.9448	1.0009	0.9668	Ave		1.0215				6.1		20.0			
2-Methylnaphthalene	1.2994 1.8015	1.3689	1.2543	1.3185	1.5534	Ave		1.4327				14.6		20.0			
1-Chloro-1-fluoroethane TIC	0.2622 0.2664	0.2640	0.2502	0.2645	0.2646	Ave		0.2620				2.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337917

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/25/2018 13:24 Calibration End Date: 07/25/2018 15:15 Calibration ID: 46243

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-337917/13	U1900807.d
Level 2	STDA9 240-337917/12	U1900806.d
Level 3	STDA9 240-337917/11	U1900805.d
Level 4	STDA9 240-337917/10	U1900804.d
Level 5	STDA9 240-337917/9	U1900803.d
Level 6	STDA9 240-337917/8	U1900802.d

ANALYTE	IS REF	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
Acetonitrile	FB	Lin1	6053 1541995	10939	154933	344974	710013	5.00 800	10.0	100	200	400
Diisopropyl ether	FB	Ave	5629 842560	10198	100050	208654	422081	0.500 80.0	1.00	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	9314 1535298	15609	176705	367286	756317	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl-t-butyl ether (ETBE)	FB	Ave	15860 2778668	32026	319412	673922	1341567	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl acetate	FB	Ave	14128 2446844	26280	255115	528543	1070993	1.00 160	2.00	20.0	40.0	80.0
Propionitrile	FB	Ave	7042 1793207	15532	174314	423266	816037	5.00 800	10.0	100	200	400
Methacrylonitrile	FB	Ave	39164 7168171	82133	799457	1651014	3414371	5.00 800	10.0	100	200	400
Tert-amyl-methyl ether (TAME)	FB	Ave	16704 2963984	35001	337094	707156	1407333	0.500 80.0	1.00	10.0	20.0	40.0
n-Butanol	FB	Ave	5296 949589	9875	96861	216043	435974	12.5 2000	25.0	250	500	1000
Ethyl acrylate	FB	Ave	7952 1504928	15158	168159	343646	679802	0.500 80.0	1.00	10.0	20.0	40.0
Methyl methacrylate	FB	Ave	11793 1902368	20747	218113	442524	875995	1.00 160	2.00	20.0	40.0	80.0
2-Nitropropane	FB	Ave	3185 599949	6028	62364	135288	265523	1.00 160	2.00	20.0	40.0	80.0
n-Butyl acetate	CBNZ d5	Ave	9641 1740666	17906	199107	397090	794623	0.500 80.0	1.00	10.0	20.0	40.0
1-Chlorohexane	CBNZ d5	Ave	9741 1419019	15739	162266	324476	661168	0.500 80.0	1.00	10.0	20.0	40.0
Cyclohexanone	CBNZ d5	Ave	2498 468992	4617	47625	99504	200187	5.00 800	10.0	100	200	400
Pentachloroethane	DCBd 4	Ave	7164 1229564	12769	154980	304359	585743	1.00 160	2.00	20.0	40.0	80.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337917

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/25/2018 13:24 Calibration End Date: 07/25/2018 15:15 Calibration ID: 46243

ANALYTE	IS REF	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
1,2,3-Trimethylbenzene	DCBd 4	Ave	23009 3957298	47067	471355	1010948	1932917	0.500 80.0	1.00	10.0	20.0	40.0
Benzyl chloride	DCBd 4	Ave	11135 2590360	23829	252607	582984	1205410	0.500 80.0	1.00	10.0	20.0	40.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	11406 1737829	23051	201583	426143	818176	0.500 80.0	1.00	10.0	20.0	40.0
2-Methylnaphthalene	DCBd 4	Ave	27811 6003075	56979	535247	1122673	2629143	1.00 160	2.00	20.0	40.0	80.0
1-Chloro-1-fluoroethane TIC	FB	Ave	5953 977727	11883	114539	238507	478166	0.500 80.0	1.00	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337917

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/25/2018 13:24 Calibration End Date: 07/25/2018 15:15 Calibration ID: 46243

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-337917/13	U1900807.d
Level 2	STDA9 240-337917/12	U1900806.d
Level 3	STDA9 240-337917/11	U1900805.d
Level 4	STDA9 240-337917/10	U1900804.d
Level 5	STDA9 240-337917/9	U1900803.d
Level 6	STDA9 240-337917/8	U1900802.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Acetonitrile	26.1						50					

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-337917/14 Calibration Date: 07/25/2018 15:37

Instrument ID: A3UX19 Calib Start Date: 07/24/2018 17:50

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/24/2018 20:04

Lab File ID: U1900808.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.2589	0.2758		0.0213	0.0200	6.5	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2744	0.2888		0.0211	0.0200	5.3	30.0
Toluene-d8 (Surr)	Ave	1.204	1.258		0.0209	0.0200	4.5	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4627	0.4749		0.0205	0.0200	2.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-337917/14 Calibration Date: 07/25/2018 15:37

Instrument ID: A3UX19 Calib Start Date: 07/25/2018 13:24

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/25/2018 15:15

Lab File ID: U1900808.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Lin1		0.0327		0.164	0.200	-17.8	30.0
Diisopropyl ether	Ave	0.2313	0.2381		0.0206	0.0200	3.0	30.0
2-Chloro-1,3-butadiene	Ave	0.3979	0.4016		0.0202	0.0200	0.9	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7258	0.7451		0.0205	0.0200	2.7	30.0
Ethyl acetate	Ave	0.3007	0.2753		0.0366	0.0400	-8.5	30.0
Propionitrile	Ave	0.0408	0.0395		0.194	0.200	-3.0	30.0
Methacrylonitrile	Ave	0.1828	0.1926		0.211	0.200	5.3	30.0
Tert-amyl-methyl ether (TAME)	Ave	0.7700	0.7828		0.0203	0.0200	1.7	30.0
n-Butanol	Ave	0.0094	0.0086		0.457	0.500	-8.6	30.0
Ethyl acrylate	Ave	0.3703	0.3736		0.0202	0.0200	0.9	30.0
Methyl methacrylate	Ave	0.2459	0.2495		0.0406	0.0400	1.5	30.0
2-Nitropropane	Ave	0.0726	0.0727		0.0400	0.0400	0.1	30.0
n-Butyl acetate	Ave	0.5364	0.5464		0.0204	0.0200	1.9	30.0
1-Chlorohexane	Ave	0.4610	0.4451		0.0193	0.0200	-3.4	30.0
Cyclohexanone	Ave	0.0137	0.0138		0.202	0.200	1.0	30.0
Pentachloroethane	Ave	0.3462	0.3376		0.0390	0.0400	-2.5	30.0
1,2,3-Trimethylbenzene	Ave	2.276	2.407		0.0212	0.0200	5.8	30.0
Benzyl chloride	Ave	1.286	1.208		0.0188	0.0200	-6.1	30.0
1,3,5-Trichlorobenzene	Ave	1.021	1.003		0.0196	0.0200	-1.8	30.0
2-Methylnaphthalene	Ave	1.433	1.388		0.0388	0.0400	-3.1	30.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: bfb058.d BFB Injection Date: 08/27/2018

Instrument ID: A3UX19 BFB Injection Time: 16:23

Analysis Batch No.: 342719

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.5	
75	30.0 - 60.0 % of mass 95	49.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.6	(0.6) 1
174	50.0 - 120.00 % of mass 95	94.9	
175	5.0 - 9.0 % of mass 174	7.3	(7.7) 1
176	95.0 - 101.0 % of mass 174	92.7	(97.7) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-342719/7	U1901323.d	08/27/2018	17:09
	STD8260 240-342719/8	U1901324.d	08/27/2018	17:31
	STD8260 240-342719/9	U1901325.d	08/27/2018	17:53
	ICIS 240-342719/10	U1901326.d	08/27/2018	18:16
	STD8260 240-342719/11	U1901327.d	08/27/2018	18:38
	STD8260 240-342719/12	U1901328.d	08/27/2018	19:01
	STD8260 240-342719/13	U1901329.d	08/27/2018	19:23
	ICV 240-342719/14	U1901330.d	08/27/2018	19:45

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-342719/13	U1901329.d
Level 2	STD8260 240-342719/12	U1901328.d
Level 3	STD8260 240-342719/11	U1901327.d
Level 4	ICIS 240-342719/10	U1901326.d
Level 5	STD8260 240-342719/9	U1901325.d
Level 6	STD8260 240-342719/8	U1901324.d
Level 7	STD8260 240-342719/7	U1901323.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3252 0.4073	0.3858 0.4041	0.3902	0.3772	0.4052	Ave		0.3850			0.1000	7.5		20.0			
Chloromethane	0.3476 0.2860	0.2731 0.2757	0.2817	0.2748	0.2796	Ave		0.2883			0.1000	9.2		20.0			
Butadiene	0.2863 0.2923	0.2971 0.2827	0.2967	0.2831	0.2826	Ave		0.2887				2.3		20.0			
Vinyl chloride	0.2799 0.3039	0.3000 0.2955	0.3102	0.2950	0.3013	Ave		0.2980			0.1000	3.2		20.0			
Bromomethane	0.2530 0.2308	0.2391 0.2251	0.2340	0.2259	0.2264	Ave		0.2335			0.0500	4.3		20.0			
Chloroethane	0.2052 0.1842	0.1766 0.1812	0.1882	0.1779	0.1807	Ave		0.1848			0.0500	5.3		20.0			
Dichlorofluoromethane	0.4944 0.4514	0.4567 0.4411	0.4677	0.4468	0.4490	Ave		0.4581				3.9		20.0			
Trichlorofluoromethane	0.4941 0.5030	0.4893 0.4931	0.5122	0.4967	0.5003	Ave		0.4984			0.1000	1.5		20.0			
Ethyl ether	0.1731 0.1798	0.1898 0.1760	0.1849	0.1771	0.1791	Ave		0.1800				3.1		20.0			
Acrolein	0.0495 0.0430	0.0446 0.0441	0.0420	0.0454	0.0427	Ave		0.0445				5.6		20.0			
1,1-Dichloroethene	0.3476 0.3661	0.3473 0.3597	0.3727	0.3582	0.3610	Ave		0.3589			0.1000	2.6		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.2493 0.2658	0.2366 0.2616	0.2651	0.2563	0.2622	Ave		0.2567			0.0500	4.1		20.0			
Acetone	+++++ 0.0747	0.0941 0.0735	0.0766	0.0752	0.0764	Ave		0.0784			0.0100	9.9		20.0			
Iodomethane	0.4872 0.4597	0.4730 0.4538	0.4730	0.4575	0.4539	Ave		0.4655				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, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

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								
Carbon disulfide	0.8746 0.7168	0.8257 0.7023	0.7362	0.7031	0.7015	Ave		0.7515			0.1000	9.3		20.0			
3-Chloro-1-propene	0.3735 0.3489	0.3837 0.3396	0.3586	0.3361	0.3385	Ave		0.3541				5.3		20.0			
Methyl acetate	0.2638 0.2201	0.2366 0.2157	0.2398	0.2267	0.2267	Ave		0.2328			0.1000	6.9		20.0			
Methylene Chloride	+++++ 0.2751	0.3184 0.2694	0.2925	0.2792	0.2733	Ave		0.2846			0.1000	6.5		20.0			
tert-Butyl alcohol	0.0302 0.0245	0.0277 0.0251	0.0284	0.0260	0.0277	Ave		0.0271				7.4		20.0			
Acrylonitrile	0.1006 0.0983	0.1046 0.0951	0.1079	0.0977	0.0997	Ave		0.1006				4.3		20.0			
trans-1,2-Dichloroethene	0.3568 0.3338	0.3540 0.3216	0.3508	0.3269	0.3267	Ave		0.3387			0.1000	4.4		20.0			
Methyl tert-butyl ether	0.6459 0.7174	0.6970 0.7172	0.7178	0.6715	0.6899	Ave		0.6938			0.1000	3.9		20.0			
Hexane	0.3287 0.3643	0.3216 0.3693	0.3652	0.3577	0.3600	Ave		0.3524				5.4		20.0			
1,1-Dichloroethane	0.3877 0.4112	0.4141 0.3990	0.4182	0.3989	0.4043	Ave		0.4048			0.2000	2.6		20.0			
Vinyl acetate	0.4652 0.4557	0.4582 0.4625	0.4853	0.4584	0.4619	Ave		0.4639				2.1		20.0			
cis-1,2-Dichloroethene	0.3057 0.2869	0.2992 0.2782	0.2948	0.2801	0.2786	Ave		0.2891			0.1000	3.8		20.0			
2,2-Dichloropropane	0.2469 0.2502	0.2497 0.2458	0.2443	0.2181	0.2515	Ave		0.2438				4.8		20.0			
2-Butanone	0.0487 0.0444	0.0481 0.0466	0.0506	0.0457	0.0465	Ave		0.0472			0.0100	4.3		20.0			
Bromochloromethane	0.2347 0.1831	0.2161 0.1713	0.1973	0.1804	0.1790	Ave		0.1945				11.9		20.0			
Tetrahydrofuran	+++++ 0.0978	0.2111 0.0981	0.1202	0.1027	0.1037	Lin1	0.2460	0.0976				7.4			0.9990		0.9900
Chloroform	0.4336 0.4423	0.4430 0.4326	0.4702	0.4398	0.4415	Ave		0.4433			0.2000	2.8		20.0			
1,1,1-Trichloroethane	0.3739 0.4296	0.4106 0.4262	0.4442	0.4096	0.4275	Ave		0.4174			0.1000	5.4		20.0			
Cyclohexane	0.3499 0.3999	0.3515 0.3986	0.3944	0.3825	0.3967	Ave		0.3819			0.1000	5.8		20.0			
1,1-Dichloropropene	0.3411 0.3565	0.3509 0.3499	0.3664	0.3469	0.3516	Ave		0.3519				2.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

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								
Carbon tetrachloride	0.3818 0.4136	0.3781 0.4121	0.4219	0.3956	0.4130	Ave		0.4023			0.1000	4.3		20.0			
Isobutyl alcohol	0.0122 0.0101	0.0118 0.0103	0.0107	0.0108	0.0111	Ave		0.0110				7.0		20.0			
Benzene	0.9270 0.9480	0.9546 0.9366	1.0106	0.9431	0.9423	Ave		0.9518			0.5000	2.9		20.0			
1,2-Dichloroethane	0.3794 0.3459	0.3845 0.3369	0.3743	0.3513	0.3479	Ave		0.3600			0.1000	5.2		20.0			
n-Heptane	+++++ 0.1978	0.8214 0.1912	0.2589	0.2169	0.2053	Lin1	0.6437	0.1861				3.4			1.0000		0.9900
Trichloroethene	0.3334 0.3137	0.3081 0.3106	0.3277	0.3076	0.3109	Ave		0.3160			0.1500	3.3		20.0			
Methylcyclohexane	0.4282 0.4825	0.4267 0.4698	0.4724	0.4580	0.4751	Ave		0.4590			0.1000	5.0		20.0			
1,2-Dichloropropane	0.2171 0.2187	0.2141 0.2164	0.2362	0.2209	0.2218	Ave		0.2208			0.1000	3.3		20.0			
Dibromomethane	0.2410 0.2204	0.2408 0.2155	0.2336	0.2191	0.2191	Ave		0.2271				4.9		20.0			
1,4-Dioxane	+++++ 0.0025	0.0016 0.0027	0.0021	0.0026	0.0028	Ave		0.0024				17.9		20.0			
Bromodichloromethane	0.3399 0.3440	0.3630 0.3379	0.3620	0.3462	0.3426	Ave		0.3479			0.1500	3.0		20.0			
2-Chloroethyl vinyl ether	0.1593 0.1741	0.1654 0.1828	0.1943	0.1818	0.1815	Ave		0.1770				6.6		20.0			
cis-1,3-Dichloropropene	0.3743 0.3841	0.3867 0.3870	0.4032	0.3827	0.3872	Ave		0.3865			0.1500	2.2		20.0			
4-Methyl-2-pentanone	0.3150 0.3064	0.3110 0.3144	0.3487	0.3229	0.3240	Ave		0.3203			0.0500	4.4		20.0			
Toluene	1.3762 1.3312	1.3706 1.3223	1.4018	1.3282	1.3309	Ave		1.3516			0.4000	2.3		20.0			
trans-1,3-Dichloropropene	0.4999 0.4712	0.5033 0.4805	0.4835	0.4641	0.4704	Ave		0.4818			0.1000	3.1		20.0			
Ethyl methacrylate	0.3824 0.4408	0.4001 0.4600	0.4577	0.4462	0.4540	Ave		0.4344				7.1		20.0			
1,1,2-Trichloroethane	0.2808 0.2823	0.2821 0.2821	0.2973	0.2798	0.2847	Ave		0.2842			0.1000	2.1		20.0			
Tetrachloroethene	0.4234 0.4375	0.4194 0.4317	0.4508	0.4248	0.4314	Ave		0.4313			0.1500	2.4		20.0			
1,3-Dichloropropane	0.4988 0.4724	0.4733 0.4772	0.5009	0.4686	0.4705	Ave		0.4802				2.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.2781 0.3092	0.3020 0.3219	0.3438	0.3247	0.3245	Ave		0.3149			0.0500	6.6		20.0			
Dibromochloromethane	0.3308 0.3663	0.3497 0.3646	0.3736	0.3604	0.3630	Ave		0.3583				3.9		20.0			
1,2-Dibromoethane	0.3770 0.3214	0.3321 0.3219	0.3422	0.3286	0.3194	Ave		0.3346				6.1		20.0			
Chlorobenzene	0.9370 0.9055	0.9832 0.8914	0.9544	0.9002	0.9056	Ave		0.9253			0.3000	3.7		20.0			
1,1,1,2-Tetrachloroethane	0.3225 0.3380	0.3313 0.3315	0.3490	0.3282	0.3347	Ave		0.3336				2.5		20.0			
Ethylbenzene	0.4566 0.4899	0.4640 0.4838	0.5159	0.4863	0.4886	Ave		0.4836				4.0		20.0			
m-Xylene & p-Xylene	0.5709 0.5980	0.5535 0.5943	0.6142	0.5959	0.5965	Ave		0.5890				3.4		20.0			
o-Xylene	0.5188 0.5706	0.5578 0.5579	0.5806	0.5638	0.5683	Ave		0.5597				3.5		20.0			
Styrene	0.8915 0.9829	0.9056 0.9730	1.0088	0.9699	0.9794	Ave		0.9588			0.3000	4.5		20.0			
Bromoform	0.2892 0.2933	0.2907 0.2979	0.3020	0.2847	0.2951	Ave		0.2933			0.1000	2.0		20.0			
Isopropylbenzene	1.3694 1.5447	1.4922 1.4942	1.5808	1.5060	1.5314	Ave		1.5027			0.1000	4.4		20.0			
1,1,2,2-Tetrachloroethane	0.7123 0.7674	0.7872 0.7661	0.8261	0.7624	0.7730	Ave		0.7706			0.3000	4.4		20.0			
Bromobenzene	0.7562 0.7639	0.7920 0.7473	0.8125	0.7532	0.7575	Ave		0.7690				3.1		20.0			
1,2,3-Trichloropropane	0.2805 0.2866	0.2903 0.2882	0.3178	0.2884	0.2929	Ave		0.2921				4.1		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2667	0.2763 0.2751	0.2902	0.2665	0.2675	Ave		0.2737				3.3		20.0			
n-Propylbenzene	0.7009 0.7973	0.7492 0.7772	0.8251	0.7710	0.7894	Ave		0.7729				5.1		20.0			
2-Chlorotoluene	0.6131 0.6732	0.6212 0.6509	0.7079	0.6539	0.6587	Ave		0.6541				4.9		20.0			
1,3,5-Trimethylbenzene	2.1099 2.2883	2.1099 2.2183	2.3988	2.1936	2.2594	Ave		2.2255				4.6		20.0			
4-Chlorotoluene	0.7307 0.7048	0.6944 0.6840	0.7470	0.7010	0.6888	Ave		0.7072				3.3		20.0			
tert-Butylbenzene	1.9093 2.2037	2.0260 2.1009	2.2785	2.0983	2.1715	Ave		2.1126				5.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.0996 2.3002	2.2590 2.2368	2.3762	2.2406	2.2826	Ave		2.2564				3.7		20.0			
sec-Butylbenzene	2.5921 3.0046	2.6994 2.8685	2.9965	2.8235	2.9285	Ave		2.8447				5.4		20.0			
1,3-Dichlorobenzene	1.4791 1.3933	1.5035 1.3394	1.4385	1.3676	1.3647	Ave		1.4123			0.6000	4.4		20.0			
p-Isopropyltoluene	2.2955 2.5970	2.3910 2.5362	2.6099	2.4625	2.5496	Ave		2.4917				4.6		20.0			
1,4-Dichlorobenzene	1.6054 1.4113	1.5675 1.3669	1.4816	1.3825	1.3984	Ave		1.4591			0.5000	6.5		20.0			
n-Butylbenzene	1.8944 2.1259	2.0232 2.0712	2.1091	2.0276	2.0953	Ave		2.0495				3.8		20.0			
1,2-Dichlorobenzene	1.3437 1.2534	1.3687 1.2318	1.3105	1.2348	1.2330	Ave		1.2823			0.4000	4.5		20.0			
1,2-Dibromo-3-Chloropropane	0.2630 0.2491	0.2219 0.2547	0.2430	0.2371	0.2465	Ave		0.2450			0.0500	5.4		20.0			
1,2,4-Trichlorobenzene	0.9409 0.8412	0.9494 0.8737	0.8099	0.7792	0.7909	Ave		0.8550			0.2000	8.1		20.0			
Hexachlorobutadiene	0.4751 0.4459	0.4859 0.4196	0.4201	0.4076	0.4202	Ave		0.4392				7.0		20.0			
Naphthalene	+++++ 2.4081	2.5248 2.5673	2.2519	2.1428	2.2829	Ave		2.3630				7.0		20.0			
1,2,3-Trichlorobenzene	0.7893 0.7724	0.8277 0.8517	0.7383	0.6846	0.7103	Ave		0.7677				7.9		20.0			
Dibromofluoromethane (Surr)	0.2950 0.2630	0.2820 0.2531	0.2707	0.2587	0.2619	Ave		0.2692				5.5		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3515 0.2903	0.3408 0.2779	0.3137	0.2940	0.2963	Ave		0.3092				8.9		20.0			
Toluene-d8 (Surr)	1.2799 1.1805	1.2018 1.1653	1.2236	1.1594	1.1844	Ave		1.1993				3.5		20.0			
4-Bromofluorobenzene (Surr)	0.5295 0.4325	0.4716 0.4172	0.4467	0.4309	0.4307	Ave		0.4513				8.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-342719/13	U1901329.d
Level 2	STD8260 240-342719/12	U1901328.d
Level 3	STD8260 240-342719/11	U1901327.d
Level 4	ICIS 240-342719/10	U1901326.d
Level 5	STD8260 240-342719/9	U1901325.d
Level 6	STD8260 240-342719/8	U1901324.d
Level 7	STD8260 240-342719/7	U1901323.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	7625 1180992	18328 1552738	186223	366772	792590	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloromethane	FB	Ave	8152 829233	12972 1059365	134420	267203	546909	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Butadiene	FB	Ave	6713 847603	14115 1086231	141609	275330	552757	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl chloride	FB	Ave	6564 881108	14250 1135494	148037	286894	589426	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromomethane	FB	Ave	5934 669257	11360 864872	111689	219651	442826	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloroethane	FB	Ave	4812 533953	8387 696179	89838	172968	353502	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dichlorofluoromethane	FB	Ave	11593 1308784	21694 1694878	223205	434465	878380	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Trichlorofluoromethane	FB	Ave	11587 1458414	23241 1894654	244417	483006	978643	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl ether	FB	Ave	4060 521372	9015 676475	88252	172224	350377	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acrolein	FB	Ave	5804 622965	10600 846753	100203	220720	417769	2.50 300	5.00 400	50.0	100	200
1,1-Dichloroethene	FB	Ave	8152 1061526	16498 1382045	177882	348307	706289	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	5847 770733	11240 1005400	126531	249289	512861	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acetone	FB	Ave	+++++ 433055	8941 564923	73077	146204	298968	+++++ 120	2.00 160	20.0	40.0	80.0
Iodomethane	FB	Ave	11424 1332936	22471 1743886	225726	444884	888035	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon disulfide	FB	Ave	20511 2078244	39223 2698750	351356	683722	1372316	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

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
3-Chloro-1-propene	FB	Ave	8759 1011692	18227 1304832	171118	326833	662138	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methyl acetate	FB	Ave	12374 1276471	22480 1658043	228841	440913	886871	1.00 120	2.00 160	20.0	40.0	80.0
Methylene Chloride	FB	Ave	+++++ 797526	15126 1035294	139613	271471	534613	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butyl alcohol	FB	Ave	7089 709594	13140 963916	135517	252801	542388	5.00 600	10.0 800	100	200	400
Acrylonitrile	FB	Ave	23600 2849701	49680 3654042	514757	950386	1951040	5.00 600	10.0 800	100	200	400
trans-1,2-Dichloroethene	FB	Ave	8368 967924	16818 1235776	167419	317885	639131	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methyl tert-butyl ether	FB	Ave	15146 2079947	33109 2755910	342568	653045	1349603	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexane	FB	Ave	7709 1056328	15276 1419117	174299	347875	704185	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloroethane	FB	Ave	9092 1192355	19673 1533220	199597	387941	790957	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl acetate	FB	Ave	10910 1321142	21765 1777280	231586	445770	903595	0.500 60.0	1.00 80.0	10.0	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	7168 831715	14212 1069027	140685	272438	545012	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2,2-Dichloropropane	FB	Ave	5791 725393	11860 944363	116583	212094	491954	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Butanone	FB	Ave	2283 257675	4567 358198	48290	88909	181887	1.00 120	2.00 160	20.0	40.0	80.0
Bromochloromethane	FB	Ave	5503 530825	10266 658069	94139	175479	350082	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrahydrofuran	FB	Lin1	+++++ 566965	20056 753652	114720	199816	405539	+++++ 120	2.00 160	20.0	40.0	80.0
Chloroform	FB	Ave	10169 1282514	21044 1662428	224371	427697	863672	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1-Trichloroethane	FB	Ave	8767 1245609	19503 1637723	211997	398309	836381	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Cyclohexane	FB	Ave	8206 1159393	16696 1531667	188221	372006	776128	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloropropene	FB	Ave	7998 1033663	16667 1344377	174842	337392	687882	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon tetrachloride	FB	Ave	8954 1199313	17959 1583649	201366	384700	807965	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isobutyl alcohol	FB	Ave	7140 731439	14010 985172	127213	263438	540692	12.5 1500	25.0 2000	250	500	1000

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

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
Benzene	FB	Ave	21738 2748682	45349 3599104	482300	917150	1843426	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane	FB	Ave	8896 1002994	18266 1294416	178638	341638	680627	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Heptane	FB	Lin1	+++++ 573367	39021 734621	123554	210893	401639	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Trichloroethene	FB	Ave	7819 909646	14636 1193487	156409	299123	608172	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	10042 1399000	20268 1805108	225444	445411	929492	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloropropane	FB	Ave	5092 634222	10172 831616	112735	214790	433884	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromomethane	FB	Ave	5652 638964	11437 828119	111478	213090	428543	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,4-Dioxane	FB	Ave	+++++ 147508	1560 204613	20257	50489	108387	+++++ 1200	20.0 1600	200	400	800
Bromodichloromethane	FB	Ave	7972 997303	17242 1298324	172767	336655	670319	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chloroethyl vinyl ether	FB	Ave	7473 1009556	15714 1404589	185460	353595	710198	1.00 120	2.00 160	20.0	40.0	80.0
cis-1,3-Dichloropropene	FB	Ave	8778 1113655	18371 1486992	192411	372198	757475	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Methyl-2-pentanone	FB	Ave	14774 1776570	29549 2416341	332777	627983	1267570	1.00 120	2.00 160	20.0	40.0	80.0
Toluene	CBNZ d5	Ave	25413 3039879	50838 4036837	544474	1040131	2085055	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	9232 1076004	18668 1466824	187797	363416	737016	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl methacrylate	CBNZ d5	Ave	7062 1006534	14839 1404401	177753	349427	711262	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloroethane	CBNZ d5	Ave	5186 644677	10462 861140	115489	219105	445968	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrachloroethene	CBNZ d5	Ave	7818 999011	15556 1317893	175104	332664	675866	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichloropropane	CBNZ d5	Ave	9211 1078694	17554 1456758	194537	366944	737142	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Hexanone	CBNZ d5	Ave	10272 1411899	22402 1965782	267096	508487	1016835	1.00 120	2.00 160	20.0	40.0	80.0
Dibromochloromethane	CBNZ d5	Ave	6108 836499	12969 1113195	145120	282195	568645	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromoethane	CBNZ d5	Ave	6962 733806	12317 982631	132926	257341	500324	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

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
Chlorobenzene	CBNZ d5	Ave	17303 2067581	36469 2721351	370702	704913	1418747	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5956 771705	12290 1012040	135561	257026	524311	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethylbenzene	CBNZ d5	Ave	8431 1118678	17209 1476959	200390	380861	765441	0.500 60.0	1.00 80.0	10.0	20.0	40.0
m-Xylene & p-Xylene	CBNZ d5	Ave	10542 1365436	20530 1814431	238543	466651	934583	0.500 60.0	1.00 80.0	10.0	20.0	40.0
o-Xylene	CBNZ d5	Ave	9580 1302937	20689 1703380	225509	441487	890297	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Styrene	CBNZ d5	Ave	16463 2244503	33591 2970527	391834	759556	1534422	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromoform	CBNZ d5	Ave	5340 669771	10783 909465	117306	222929	462320	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isopropylbenzene	CBNZ d5	Ave	25288 3527221	55346 4561888	613985	1179370	2399226	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	7218 951258	16261 1271933	172140	328526	660294	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromobenzene	DCBd 4	Ave	7663 946835	16361 1240722	169316	324573	647055	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichloropropane	DCBd 4	Ave	2842 355186	5997 478494	66218	124262	250203	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 330637	5707 456736	60466	114842	228469	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
n-Propylbenzene	DCBd 4	Ave	7103 988262	15476 1290307	171938	332244	674293	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chlorotoluene	DCBd 4	Ave	6213 834423	12831 1080636	147510	281753	562614	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	21381 2836427	43584 3682951	499875	945225	1929863	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Chlorotoluene	DCBd 4	Ave	7405 873575	14345 1135643	155656	302046	588358	0.500 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butylbenzene	DCBd 4	Ave	19348 2731529	41850 3487952	474813	904165	1854784	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	21277 2851175	46663 3713592	495166	965487	1949684	0.500 60.0	1.00 80.0	10.0	20.0	40.0
sec-Butylbenzene	DCBd 4	Ave	26267 3724288	55760 4762339	624437	1216655	2501406	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCBd 4	Ave	14989 1726981	31057 2223773	299776	589299	1165661	0.500 60.0	1.00 80.0	10.0	20.0	40.0
p-Isopropyltoluene	DCBd 4	Ave	23262 3219084	49391 4210777	543873	1061108	2177763	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

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
1,4-Dichlorobenzene	DCBd 4	Ave	16269 1749380	32379 2269476	308743	595729	1194426	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Butylbenzene	DCBd 4	Ave	19197 2635155	41792 3438646	439518	873706	1789693	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCBd 4	Ave	13617 1553579	28272 2045057	273092	532075	1053180	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	2665 308798	4583 422865	50642	102189	210526	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	9535 1042664	19612 1450610	168774	335760	675526	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	DCBd 4	Ave	4814 552719	10037 696652	87534	175651	358938	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Naphthalene	DCBd 4	Ave	+++++ 2984863	52154 4262332	469280	923339	1949946	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	7998 957428	17097 1414051	153843	295011	606712	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromofluoromethane (Surr)	FB	Ave	6919 762443	13395 972724	129168	251584	512374	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	8242 841615	16187 1067780	149716	285917	579615	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Toluene-d8 (Surr)	CBNZ d5	Ave	23636 2695636	44577 3557725	475254	907923	1855495	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	9778 987516	17494 1273707	173480	337411	674745	0.500 60.0	1.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-342719/13	U1901329.d
Level 2	STD8260 240-342719/12	U1901328.d
Level 3	STD8260 240-342719/11	U1901327.d
Level 4	ICIS 240-342719/10	U1901326.d
Level 5	STD8260 240-342719/9	U1901325.d
Level 6	STD8260 240-342719/8	U1901324.d
Level 7	STD8260 240-342719/7	U1901323.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Tetrahydrofuran	+++++	-9.7						50				
n-Heptane	+++++	-4.5						50				

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-342719/14 Calibration Date: 08/27/2018 19:45

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1901330.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3850	0.2913	0.1000	0.0151	0.0200	-24.3	30.0
Chloromethane	Ave	0.2883	0.2492	0.1000	0.0173	0.0200	-13.6	30.0
Butadiene	Ave	0.2887	0.2477		0.0172	0.0200	-14.2	30.0
Vinyl chloride	Ave	0.2980	0.2874	0.1000	0.0193	0.0200	-3.5	30.0
Bromomethane	Ave	0.2335	0.2187	0.0500	0.0187	0.0200	-6.3	30.0
Chloroethane	Ave	0.1848	0.1799	0.0500	0.0195	0.0200	-2.7	30.0
Dichlorofluoromethane	Ave	0.4581	0.4762		0.0208	0.0200	3.9	30.0
Trichlorofluoromethane	Ave	0.4984	0.5062	0.1000	0.0203	0.0200	1.6	30.0
Ethyl ether	Ave	0.1800	0.1933		0.0215	0.0200	7.4	30.0
Acrolein	Ave	0.0445	0.0361		0.0812	0.100	-18.8	30.0
1,1-Dichloroethene	Ave	0.3589	0.3889	0.1000	0.0217	0.0200	8.3	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2567	0.2852	0.0500	0.0222	0.0200	11.1	30.0
Acetone	Ave	0.0784	0.0730	0.0100	0.0372	0.0400	-6.9	50.0
Iodomethane	Ave	0.4655	0.4827		0.0207	0.0200	3.7	30.0
Carbon disulfide	Ave	0.7515	0.7522	0.1000	0.0200	0.0200	0.0	30.0
3-Chloro-1-propene	Ave	0.3541	0.3611		0.0204	0.0200	2.0	30.0
Methyl acetate	Ave	0.2328	0.2202	0.1000	0.0378	0.0400	-5.4	50.0
Methylene Chloride	Ave	0.2846	0.2847	0.1000	0.0200	0.0200	0.0	50.0
tert-Butyl alcohol	Ave	0.0271	0.0283		0.209	0.200	4.3	30.0
Acrylonitrile	Ave	0.1006	0.1020		0.203	0.200	1.4	30.0
Methyl tert-butyl ether	Ave	0.6938	0.7063	0.1000	0.0204	0.0200	1.8	30.0
trans-1,2-Dichloroethene	Ave	0.3387	0.3554	0.1000	0.0210	0.0200	4.9	30.0
Hexane	Ave	0.3524	0.3872		0.0220	0.0200	9.9	30.0
1,1-Dichloroethane	Ave	0.4048	0.4171	0.2000	0.0206	0.0200	3.0	30.0
Vinyl acetate	Ave	0.4639	0.5080		0.0219	0.0200	9.5	30.0
2,2-Dichloropropane	Ave	0.2438	0.2691		0.0221	0.0200	10.4	30.0
2-Butanone	Ave	0.0472	0.0464	0.0100	0.0393	0.0400	-1.8	50.0
cis-1,2-Dichloroethene	Ave	0.2891	0.2867	0.1000	0.0198	0.0200	-0.8	30.0
Bromochloromethane	Ave	0.1945	0.1891		0.0194	0.0200	-2.8	30.0
Tetrahydrofuran	Lin1		0.1082		0.0418	0.0400	4.6	30.0
Chloroform	Ave	0.4433	0.4563	0.2000	0.0206	0.0200	2.9	30.0
1,1,1-Trichloroethane	Ave	0.4174	0.4498	0.1000	0.0216	0.0200	7.8	30.0
Cyclohexane	Ave	0.3819	0.4119	0.1000	0.0216	0.0200	7.8	30.0
1,1-Dichloropropene	Ave	0.3519	0.3667		0.0208	0.0200	4.2	30.0
Carbon tetrachloride	Ave	0.4023	0.4240	0.1000	0.0211	0.0200	5.4	30.0
Isobutyl alcohol	Ave	0.0110	0.0112		0.508	0.500	1.6	30.0
1,2-Dichloroethane	Ave	0.3600	0.3604	0.1000	0.0200	0.0200	0.1	30.0
Benzene	Ave	0.9518	0.9713	0.5000	0.0204	0.0200	2.1	30.0
n-Heptane	Lin1		0.2300		0.0213	0.0200	6.3	30.0
Trichloroethene	Ave	0.3160	0.3196	0.1500	0.0202	0.0200	1.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-342719/14 Calibration Date: 08/27/2018 19:45

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1901330.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4590	0.4761	0.1000	0.0207	0.0200	3.7	30.0
1,2-Dichloropropane	Ave	0.2208	0.2306	0.1000	0.0209	0.0200	4.5	30.0
Dibromomethane	Ave	0.2271	0.2193		0.0193	0.0200	-3.4	30.0
1,4-Dioxane	Ave	0.0024	0.0028		0.474	0.400	18.4	50.0
Bromodichloromethane	Ave	0.3479	0.3495	0.1500	0.0201	0.0200	0.4	30.0
2-Chloroethyl vinyl ether	Ave	0.1770	0.1822		0.0206	0.0200	2.9	30.0
cis-1,3-Dichloropropene	Ave	0.3865	0.4060	0.1500	0.0210	0.0200	5.1	50.0
4-Methyl-2-pentanone	Ave	0.3203	0.3230	0.0500	0.0403	0.0400	0.8	50.0
Toluene	Ave	1.352	1.362	0.4000	0.0201	0.0200	0.7	30.0
trans-1,3-Dichloropropene	Ave	0.4818	0.4613	0.1000	0.0191	0.0200	-4.3	30.0
Ethyl methacrylate	Ave	0.4344	0.4432		0.0204	0.0200	2.0	30.0
1,1,2-Trichloroethane	Ave	0.2842	0.2905	0.1000	0.0204	0.0200	2.2	30.0
Tetrachloroethene	Ave	0.4313	0.4447	0.1500	0.0206	0.0200	3.1	30.0
1,3-Dichloropropane	Ave	0.4802	0.4738		0.0197	0.0200	-1.3	30.0
2-Hexanone	Ave	0.3149	0.3202	0.0500	0.0407	0.0400	1.7	50.0
Dibromochloromethane	Ave	0.3583	0.3632		0.0203	0.0200	1.3	30.0
1,2-Dibromoethane	Ave	0.3346	0.3230		0.0193	0.0200	-3.5	30.0
Chlorobenzene	Ave	0.9253	0.9231	0.3000	0.0200	0.0200	-0.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3336	0.3465		0.0208	0.0200	3.9	30.0
Ethylbenzene	Ave	0.4836	0.4959		0.0205	0.0200	2.5	30.0
m-Xylene & p-Xylene	Ave	0.5890	0.6110		0.0207	0.0200	3.7	30.0
o-Xylene	Ave	0.5597	0.5768		0.0206	0.0200	3.1	30.0
Styrene	Ave	0.9588	0.9701	0.3000	0.0202	0.0200	1.2	30.0
Bromoform	Ave	0.2933	0.2923	0.1000	0.0199	0.0200	-0.3	30.0
Isopropylbenzene	Ave	1.503	1.583	0.1000	0.0211	0.0200	5.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7706	0.7768	0.3000	0.0202	0.0200	0.8	30.0
Bromobenzene	Ave	0.7690	0.7545		0.0196	0.0200	-1.9	30.0
1,2,3-Trichloropropane	Ave	0.2921	0.3010		0.0206	0.0200	3.0	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2737	0.2785		0.0203	0.0200	1.7	30.0
n-Propylbenzene	Ave	0.7729	0.7998		0.0207	0.0200	3.5	30.0
2-Chlorotoluene	Ave	0.6541	0.6592		0.0202	0.0200	0.8	30.0
1,3,5-Trimethylbenzene	Ave	2.225	2.303		0.0207	0.0200	3.5	30.0
4-Chlorotoluene	Ave	0.7072	0.7078		0.0200	0.0200	0.0	30.0
tert-Butylbenzene	Ave	2.113	2.203		0.0209	0.0200	4.3	30.0
1,2,4-Trimethylbenzene	Ave	2.256	2.278		0.0202	0.0200	1.0	30.0
sec-Butylbenzene	Ave	2.845	3.009		0.0212	0.0200	5.8	30.0
1,3-Dichlorobenzene	Ave	1.412	1.370	0.6000	0.0194	0.0200	-3.0	30.0
p-Isopropyltoluene	Ave	2.492	2.628		0.0211	0.0200	5.5	30.0
1,4-Dichlorobenzene	Ave	1.459	1.395	0.5000	0.0191	0.0200	-4.4	30.0
n-Butylbenzene	Ave	2.050	2.114		0.0206	0.0200	3.1	30.0
1,2-Dichlorobenzene	Ave	1.282	1.257	0.4000	0.0196	0.0200	-2.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-342719/14 Calibration Date: 08/27/2018 19:45

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1901330.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2450	0.2412	0.0500	0.0197	0.0200	-1.6	50.0
1,2,4-Trichlorobenzene	Ave	0.8550	0.8004	0.2000	0.0187	0.0200	-6.4	50.0
Hexachlorobutadiene	Ave	0.4392	0.4373		0.0199	0.0200	-0.4	50.0
Naphthalene	Ave	2.363	2.262		0.0191	0.0200	-4.3	50.0
1,2,3-Trichlorobenzene	Ave	0.7677	0.7284		0.0190	0.0200	-5.1	30.0
Dibromofluoromethane (Surr)	Ave	0.2692	0.2770		0.0206	0.0200	2.9	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3092	0.3266		0.0211	0.0200	5.6	30.0
Toluene-d8 (Surr)	Ave	1.199	1.238		0.0206	0.0200	3.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4513	0.4759		0.0211	0.0200	5.5	30.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: bfb554.d BFB Injection Date: 06/25/2020

Instrument ID: A3UX19 BFB Injection Time: 15:47

Analysis Batch No.: 440080

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.7	
75	30.0 - 60.0 % of mass 95	45.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	83.1	
175	5.0 - 9.0 % of mass 174	6.8	(8.2) 1
176	95.0 - 101.0 % of mass 174	79.3	(95.3) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-440080/3	U1915172.d	06/25/2020	16:09
	CCVIS 240-440080/4	U1915173.d	06/25/2020	16:32
	LCS 240-440080/5	U1915174.d	06/25/2020	16:55
	MB 240-440080/8	U1915177.d	06/25/2020	18:02
MSA-SW37A-061520	240-131928-1	U1915191.d	06/25/2020	23:18
MSA-SW37B-061520	240-131928-2	U1915192.d	06/25/2020	23:40
MSA-SW37C-061520	240-131928-3	U1915193.d	06/26/2020	0:03
MSA-SW37D-061520	240-131928-4	U1915194.d	06/26/2020	0:25
MSA-SW38A-061520	240-131928-5	U1915195.d	06/26/2020	0:47
MSA-SW38B-061520	240-131928-6	U1915196.d	06/26/2020	1:10
MSA-SW38C-061520	240-131928-7	U1915197.d	06/26/2020	1:33
MSA-SW38D-061520	240-131928-8	U1915198.d	06/26/2020	1:55
MSA-SW40A-061520	240-131928-9	U1915199.d	06/26/2020	2:18
MSA-SW40B-061520	240-131928-10	U1915200.d	06/26/2020	2:40
MSA-SW40C-061520	240-131928-11	U1915201.d	06/26/2020	3:02

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCV 240-440080/3 Calibration Date: 06/25/2020 16:09

Instrument ID: A3UX19 Calib Start Date: 07/25/2018 13:24

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/25/2018 15:15

Lab File ID: U1915172.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Lin1		0.0482		0.240	0.200	20.2*	20.0
Diisopropyl ether	Ave	0.2313	0.2096		0.0181	0.0200	-9.4	20.0
2-Chloro-1,3-butadiene	Ave	0.3979	0.3927		0.0197	0.0200	-1.3	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7258	0.6368		0.0175	0.0200	-12.3	20.0
Ethyl acetate	Ave	0.3007	0.3000		0.0399	0.0400	-0.2	20.0
Propionitrile	Ave	0.0408	0.0636		0.312	0.200	56.0*	20.0
Methacrylonitrile	Ave	0.1828	0.1901		0.208	0.200	4.0	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.7700	0.6767		0.0176	0.0200	-12.1	20.0
n-Butanol	Ave	0.0094	0.0158		0.843	0.500	68.6*	20.0
Ethyl acrylate	Ave	0.3703	0.3566		0.0193	0.0200	-3.7	20.0
Methyl methacrylate	Ave	0.2459	0.2145		0.0349	0.0400	-12.8	20.0
2-Nitropropane	Ave	0.0726	0.0782		0.0431	0.0400	7.7	20.0
n-Butyl acetate	Ave	0.5364	0.5730		0.0214	0.0200	6.8	20.0
1-Chlorohexane	Ave	0.4610	0.4725		0.0205	0.0200	2.5	20.0
Cyclohexanone	Ave	0.0137	0.0224		0.327	0.200	63.7*	20.0
Pentachloroethane	Ave	0.3462	0.5036		0.0582	0.0400	45.5*	20.0
1,2,3-Trimethylbenzene	Ave	2.276	2.600		0.0228	0.0200	14.2	20.0
Benzyl chloride	Ave	1.286	1.786		0.0278	0.0200	38.9*	20.0
1,3,5-Trichlorobenzene	Ave	1.021	0.9283		0.0182	0.0200	-9.1	20.0
2-Methylnaphthalene	Ave	1.433	1.139		0.0318	0.0400	-20.5*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440080/4 Calibration Date: 06/25/2020 16:32

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1915173.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3850	0.2523	0.1000	0.0131	0.0200	-34.5*	20.0
Chloromethane	Ave	0.2883	0.2531	0.1000	0.0176	0.0200	-12.2	20.0
Butadiene	Ave	0.2887	0.2285		0.0158	0.0200	-20.9*	20.0
Vinyl chloride	Ave	0.2980	0.2640	0.1000	0.0177	0.0200	-11.4	20.0
Bromomethane	Ave	0.2335	0.1875	0.0500	0.0161	0.0200	-19.7	20.0
Chloroethane	Ave	0.1848	0.1693	0.0500	0.0183	0.0200	-8.4	20.0
Dichlorofluoromethane	Ave	0.4581	0.4001		0.0175	0.0200	-12.7	20.0
Trichlorofluoromethane	Ave	0.4984	0.3448	0.1000	0.0138	0.0200	-30.8*	20.0
Ethyl ether	Ave	0.1800	0.1958		0.0218	0.0200	8.8	20.0
Acrolein	Ave	0.0445	0.0302		0.0680	0.100	-32.0*	20.0
1,1-Dichloroethene	Ave	0.3589	0.3255	0.1000	0.0181	0.0200	-9.3	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2567	0.2427	0.0500	0.0189	0.0200	-5.5	20.0
Acetone	Ave	0.0784	0.1114	0.0100	0.0568	0.0400	42.1	50.0
Iodomethane	Ave	0.4655	0.3871		0.0166	0.0200	-16.8	20.0
Carbon disulfide	Ave	0.7515	0.7232	0.1000	0.0192	0.0200	-3.8	20.0
3-Chloro-1-propene	Ave	0.3541	0.3083		0.0174	0.0200	-12.9	20.0
Methyl acetate	Ave	0.2328	0.2491	0.1000	0.0428	0.0400	7.0	50.0
Methylene Chloride	Ave	0.2846	0.2668	0.1000	0.0187	0.0200	-6.3	50.0
tert-Butyl alcohol	Ave	0.0271	0.0362		0.267	0.200	33.5*	20.0
Acrylonitrile	Ave	0.1006	0.1313		0.261	0.200	30.6*	20.0
Methyl tert-butyl ether	Ave	0.6938	0.6261	0.1000	0.0180	0.0200	-9.8	20.0
trans-1,2-Dichloroethene	Ave	0.3387	0.3241	0.1000	0.0191	0.0200	-4.3	20.0
Hexane	Ave	0.3524	0.3295		0.0187	0.0200	-6.5	20.0
1,1-Dichloroethane	Ave	0.4048	0.4096	0.2000	0.0202	0.0200	1.2	20.0
Vinyl acetate	Ave	0.4639	0.4094		0.0177	0.0200	-11.7	20.0
cis-1,2-Dichloroethene	Ave	0.2891	0.2806	0.1000	0.0194	0.0200	-2.9	20.0
2,2-Dichloropropane	Ave	0.2438	0.2235		0.0183	0.0200	-8.3	20.0
2-Butanone	Ave	0.0472	0.0503	0.0100	0.0426	0.0400	6.4	50.0
Bromochloromethane	Ave	0.1945	0.1862		0.0191	0.0200	-4.3	20.0
Tetrahydrofuran	Lin1		0.1057		0.0408	0.0400	2.0	20.0
Chloroform	Ave	0.4433	0.4245	0.2000	0.0192	0.0200	-4.2	20.0
1,1,1-Trichloroethane	Ave	0.4174	0.3441	0.1000	0.0165	0.0200	-17.6	20.0
Cyclohexane	Ave	0.3819	0.3741	0.1000	0.0196	0.0200	-2.0	20.0
1,1-Dichloropropene	Ave	0.3519	0.3445		0.0196	0.0200	-2.1	20.0
Carbon tetrachloride	Ave	0.4023	0.3199	0.1000	0.0159	0.0200	-20.5*	20.0
Isobutyl alcohol	Ave	0.0110	0.0146		0.664	0.500	32.9*	20.0
Benzene	Ave	0.9518	0.9912	0.5000	0.0208	0.0200	4.1	20.0
1,2-Dichloroethane	Ave	0.3600	0.2999	0.1000	0.0167	0.0200	-16.7	20.0
n-Heptane	Lin1		0.1654		0.0143	0.0200	-28.4*	20.0
Trichloroethene	Ave	0.3160	0.2705	0.1500	0.0171	0.0200	-14.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440080/4 Calibration Date: 06/25/2020 16:32

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1915173.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4590	0.4163	0.1000	0.0181	0.0200	-9.3	20.0
1,2-Dichloropropane	Ave	0.2208	0.2252	0.1000	0.0204	0.0200	2.0	20.0
1,4-Dioxane	Ave	0.0024	0.0042		0.708	0.400	77.1*	50.0
Dibromomethane	Ave	0.2271	0.1720		0.0151	0.0200	-24.3*	20.0
Bromodichloromethane	Ave	0.3479	0.3019	0.1500	0.0174	0.0200	-13.2	20.0
2-Chloroethyl vinyl ether	Ave	0.1770	0.1561		0.0353	0.0400	-11.8	20.0
cis-1,3-Dichloropropene	Ave	0.3865	0.3531	0.1500	0.0183	0.0200	-8.6	50.0
4-Methyl-2-pentanone	Ave	0.3203	0.3034	0.0500	0.0379	0.0400	-5.3	50.0
Toluene	Ave	1.352	1.439	0.4000	0.0213	0.0200	6.5	20.0
trans-1,3-Dichloropropene	Ave	0.4818	0.4474	0.1000	0.0186	0.0200	-7.1	20.0
Ethyl methacrylate	Ave	0.4344	0.4502		0.0207	0.0200	3.6	20.0
1,1,2-Trichloroethane	Ave	0.2842	0.2994	0.1000	0.0211	0.0200	5.4	20.0
1,3-Dichloropropane	Ave	0.4802	0.5119		0.0213	0.0200	6.6	20.0
Tetrachloroethene	Ave	0.4313	0.3808	0.1500	0.0177	0.0200	-11.7	20.0
2-Hexanone	Ave	0.3149	0.3169	0.0500	0.0403	0.0400	0.6	50.0
Dibromochloromethane	Ave	0.3583	0.3306		0.0185	0.0200	-7.7	20.0
1,2-Dibromoethane	Ave	0.3346	0.3249		0.0194	0.0200	-2.9	20.0
Chlorobenzene	Ave	0.9253	0.9011	0.3000	0.0195	0.0200	-2.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3336	0.3288		0.0197	0.0200	-1.4	20.0
Ethylbenzene	Ave	0.4836	0.4871		0.0201	0.0200	0.7	20.0
m-Xylene & p-Xylene	Ave	0.5890	0.6095		0.0207	0.0200	3.5	20.0
o-Xylene	Ave	0.5597	0.5983		0.0214	0.0200	6.9	20.0
Styrene	Ave	0.9588	1.001	0.3000	0.0209	0.0200	4.4	20.0
Bromoform	Ave	0.2933	0.2487	0.1000	0.0170	0.0200	-15.2	20.0
Isopropylbenzene	Ave	1.503	1.559	0.1000	0.0207	0.0200	3.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7706	0.9387	0.3000	0.0244	0.0200	21.8*	20.0
Bromobenzene	Ave	0.7690	0.6916		0.0180	0.0200	-10.1	20.0
1,2,3-Trichloropropane	Ave	0.2921	0.3031		0.0208	0.0200	3.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2737	0.2519		0.0184	0.0200	-8.0	20.0
n-Propylbenzene	Ave	0.7729	0.8050		0.0208	0.0200	4.2	20.0
2-Chlorotoluene	Ave	0.6541	0.6816		0.0208	0.0200	4.2	20.0
1,3,5-Trimethylbenzene	Ave	2.225	2.352		0.0211	0.0200	5.7	20.0
4-Chlorotoluene	Ave	0.7072	0.6939		0.0196	0.0200	-1.9	20.0
tert-Butylbenzene	Ave	2.113	2.022		0.0191	0.0200	-4.3	20.0
1,2,4-Trimethylbenzene	Ave	2.256	2.379		0.0211	0.0200	5.4	20.0
sec-Butylbenzene	Ave	2.845	2.956		0.0208	0.0200	3.9	20.0
1,3-Dichlorobenzene	Ave	1.412	1.339	0.6000	0.0190	0.0200	-5.2	20.0
p-Isopropyltoluene	Ave	2.492	2.498		0.0200	0.0200	0.2	20.0
1,4-Dichlorobenzene	Ave	1.459	1.351	0.5000	0.0185	0.0200	-7.4	20.0
n-Butylbenzene	Ave	2.050	2.122		0.0207	0.0200	3.6	20.0
1,2-Dichlorobenzene	Ave	1.282	1.320	0.4000	0.0206	0.0200	2.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440080/4 Calibration Date: 06/25/2020 16:32

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1915173.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2450	0.2469	0.0500	0.0201	0.0200	0.7	50.0
1,2,4-Trichlorobenzene	Ave	0.8550	0.7008	0.2000	0.0164	0.0200	-18.0	50.0
Hexachlorobutadiene	Ave	0.4392	0.2858		0.0130	0.0200	-34.9	50.0
Naphthalene	Ave	2.363	2.466		0.0209	0.0200	4.4	50.0
1,2,3-Trichlorobenzene	Ave	0.7677	0.6812		0.0177	0.0200	-11.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2692	0.2556		0.0190	0.0200	-5.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3092	0.2764		0.0179	0.0200	-10.6	20.0
Toluene-d8 (Surr)	Ave	1.199	1.284		0.0214	0.0200	7.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4513	0.4560		0.0202	0.0200	1.0	20.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: bfb555.d BFB Injection Date: 06/26/2020

Instrument ID: A3UX19 BFB Injection Time: 15:38

Analysis Batch No.: 440294

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.7	
75	30.0 - 60.0 % of mass 95	46.8	
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	83.0	
175	5.0 - 9.0 % of mass 174	6.8	(8.2) 1
176	95.0 - 101.0 % of mass 174	79.1	(95.3) 1
177	5.0 - 9.0 % of mass 176	5.2	(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
	CCV 240-440294/3	U1915202.d	06/26/2020	16:01
	CCVIS 240-440294/4	U1915203.d	06/26/2020	16:24
	LCS 240-440294/5	U1915204.d	06/26/2020	16:46
	MB 240-440294/8	U1915207.d	06/26/2020	17:54
MSA-SW42A-061520	240-131928-17	U1915225.d	06/27/2020	0:39

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCV 240-440294/3 Calibration Date: 06/26/2020 16:01

Instrument ID: A3UX19 Calib Start Date: 07/25/2018 13:24

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/25/2018 15:15

Lab File ID: U1915202.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Lin1		0.0495		0.247	0.200	23.5*	20.0
Diisopropyl ether	Ave	0.2313	0.2174		0.0188	0.0200	-6.0	20.0
2-Chloro-1,3-butadiene	Ave	0.3979	0.3844		0.0193	0.0200	-3.4	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7258	0.6409		0.0177	0.0200	-11.7	20.0
Ethyl acetate	Ave	0.3007	0.3043		0.0405	0.0400	1.2	20.0
Propionitrile	Ave	0.0408	0.0630		0.309	0.200	54.5*	20.0
Methacrylonitrile	Ave	0.1828	0.1923		0.210	0.200	5.2	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.7700	0.6918		0.0180	0.0200	-10.2	20.0
n-Butanol	Ave	0.0094	0.0149		0.798	0.500	59.5*	20.0
Ethyl acrylate	Ave	0.3703	0.3704		0.0200	0.0200	0.0	20.0
Methyl methacrylate	Ave	0.2459	0.2226		0.0362	0.0400	-9.5	20.0
2-Nitropropane	Ave	0.0726	0.0843		0.0464	0.0400	16.1	20.0
n-Butyl acetate	Ave	0.5364	0.5581		0.0208	0.0200	4.0	20.0
1-Chlorohexane	Ave	0.4610	0.4687		0.0203	0.0200	1.7	20.0
Cyclohexanone	Ave	0.0137	0.0213		0.311	0.200	55.5*	20.0
Pentachloroethane	Ave	0.3462	0.4816		0.0556	0.0400	39.1*	20.0
1,2,3-Trimethylbenzene	Ave	2.276	2.546		0.0224	0.0200	11.9	20.0
Benzyl chloride	Ave	1.286	1.748		0.0272	0.0200	35.9*	20.0
1,3,5-Trichlorobenzene	Ave	1.021	0.8787		0.0172	0.0200	-14.0	20.0
2-Methylnaphthalene	Ave	1.433	1.098		0.0307	0.0400	-23.4*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440294/4 Calibration Date: 06/26/2020 16:24

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1915203.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3850	0.2220	0.1000	0.0115	0.0200	-42.3*	20.0
Chloromethane	Ave	0.2883	0.2378	0.1000	0.0165	0.0200	-17.5	20.0
Butadiene	Ave	0.2887	0.2270		0.0157	0.0200	-21.4*	20.0
Vinyl chloride	Ave	0.2980	0.2595	0.1000	0.0174	0.0200	-12.9	20.0
Bromomethane	Ave	0.2335	0.1865	0.0500	0.0160	0.0200	-20.1*	20.0
Chloroethane	Ave	0.1848	0.1707	0.0500	0.0185	0.0200	-7.7	20.0
Dichlorofluoromethane	Ave	0.4581	0.4005		0.0175	0.0200	-12.6	20.0
Trichlorofluoromethane	Ave	0.4984	0.3421	0.1000	0.0137	0.0200	-31.4*	20.0
Ethyl ether	Ave	0.1800	0.1969		0.0219	0.0200	9.4	20.0
Acrolein	Ave	0.0445	0.0332		0.0747	0.100	-25.3*	20.0
1,1-Dichloroethene	Ave	0.3589	0.3267	0.1000	0.0182	0.0200	-9.0	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2567	0.2490	0.0500	0.0194	0.0200	-3.0	20.0
Acetone	Ave	0.0784	0.1074	0.0100	0.0548	0.0400	37.0	50.0
Iodomethane	Ave	0.4655	0.3913		0.0168	0.0200	-15.9	20.0
Carbon disulfide	Ave	0.7515	0.7366	0.1000	0.0196	0.0200	-2.0	20.0
3-Chloro-1-propene	Ave	0.3541	0.3129		0.0177	0.0200	-11.6	20.0
Methyl acetate	Ave	0.2328	0.2524	0.1000	0.0434	0.0400	8.4	50.0
Methylene Chloride	Ave	0.2846	0.2682	0.1000	0.0188	0.0200	-5.8	50.0
tert-Butyl alcohol	Ave	0.0271	0.0332		0.245	0.200	22.4*	20.0
Acrylonitrile	Ave	0.1006	0.1297		0.258	0.200	29.0*	20.0
trans-1,2-Dichloroethene	Ave	0.3387	0.3287	0.1000	0.0194	0.0200	-2.9	20.0
Methyl tert-butyl ether	Ave	0.6938	0.6328	0.1000	0.0182	0.0200	-8.8	20.0
Hexane	Ave	0.3524	0.3417		0.0194	0.0200	-3.0	20.0
1,1-Dichloroethane	Ave	0.4048	0.4201	0.2000	0.0208	0.0200	3.8	20.0
Vinyl acetate	Ave	0.4639	0.4026		0.0174	0.0200	-13.2	20.0
2,2-Dichloropropane	Ave	0.2438	0.2390		0.0196	0.0200	-2.0	20.0
2-Butanone	Ave	0.0472	0.0515	0.0100	0.0436	0.0400	8.9	50.0
cis-1,2-Dichloroethene	Ave	0.2891	0.2834	0.1000	0.0196	0.0200	-2.0	20.0
Bromochloromethane	Ave	0.1945	0.1887		0.0194	0.0200	-3.0	20.0
Tetrahydrofuran	Lin1		0.1063		0.0411	0.0400	2.6	20.0
Chloroform	Ave	0.4433	0.4300	0.2000	0.0194	0.0200	-3.0	20.0
1,1,1-Trichloroethane	Ave	0.4174	0.3593	0.1000	0.0172	0.0200	-13.9	20.0
Cyclohexane	Ave	0.3819	0.3807	0.1000	0.0199	0.0200	-0.3	20.0
1,1-Dichloropropene	Ave	0.3519	0.3532		0.0201	0.0200	0.4	20.0
Carbon tetrachloride	Ave	0.4023	0.3284	0.1000	0.0163	0.0200	-18.4	20.0
Isobutyl alcohol	Ave	0.0110	0.0141		0.644	0.500	28.8*	20.0
Benzene	Ave	0.9518	1.022	0.5000	0.0215	0.0200	7.3	20.0
1,2-Dichloroethane	Ave	0.3600	0.3064	0.1000	0.0170	0.0200	-14.9	20.0
n-Heptane	Lin1		0.1711		0.0149	0.0200	-25.3*	20.0
Trichloroethene	Ave	0.3160	0.2772	0.1500	0.0175	0.0200	-12.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440294/4 Calibration Date: 06/26/2020 16:24

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1915203.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4590	0.4245	0.1000	0.0185	0.0200	-7.5	20.0
1,2-Dichloropropane	Ave	0.2208	0.2320	0.1000	0.0210	0.0200	5.1	20.0
1,4-Dioxane	Ave	0.0024	0.0044		0.737	0.400	84.3*	50.0
Dibromomethane	Ave	0.2271	0.1793		0.0158	0.0200	-21.0*	20.0
Bromodichloromethane	Ave	0.3479	0.3094	0.1500	0.0178	0.0200	-11.1	20.0
2-Chloroethyl vinyl ether	Ave	0.1770	0.1660		0.0375	0.0400	-6.2	20.0
cis-1,3-Dichloropropene	Ave	0.3865	0.3619	0.1500	0.0187	0.0200	-6.3	50.0
4-Methyl-2-pentanone	Ave	0.3203	0.3105	0.0500	0.0388	0.0400	-3.1	50.0
Toluene	Ave	1.352	1.487	0.4000	0.0220	0.0200	10.0	20.0
trans-1,3-Dichloropropene	Ave	0.4818	0.4535	0.1000	0.0188	0.0200	-5.9	20.0
Ethyl methacrylate	Ave	0.4344	0.4735		0.0218	0.0200	9.0	20.0
1,1,2-Trichloroethane	Ave	0.2842	0.3098	0.1000	0.0218	0.0200	9.0	20.0
1,3-Dichloropropane	Ave	0.4802	0.5205		0.0217	0.0200	8.4	20.0
Tetrachloroethene	Ave	0.4313	0.3856	0.1500	0.0179	0.0200	-10.6	20.0
2-Hexanone	Ave	0.3149	0.3344	0.0500	0.0425	0.0400	6.2	50.0
Dibromochloromethane	Ave	0.3583	0.3370		0.0188	0.0200	-6.0	20.0
1,2-Dibromoethane	Ave	0.3346	0.3289		0.0197	0.0200	-1.7	20.0
Chlorobenzene	Ave	0.9253	0.9385	0.3000	0.0203	0.0200	1.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3336	0.3349		0.0201	0.0200	0.4	20.0
Ethylbenzene	Ave	0.4836	0.4998		0.0207	0.0200	3.4	20.0
m-Xylene & p-Xylene	Ave	0.5890	0.6331		0.0215	0.0200	7.5	20.0
o-Xylene	Ave	0.5597	0.6082		0.0217	0.0200	8.7	20.0
Styrene	Ave	0.9588	1.032	0.3000	0.0215	0.0200	7.7	20.0
Bromoform	Ave	0.2933	0.2545	0.1000	0.0174	0.0200	-13.2	20.0
Isopropylbenzene	Ave	1.503	1.584	0.1000	0.0211	0.0200	5.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7706	0.9891	0.3000	0.0257	0.0200	28.3*	20.0
Bromobenzene	Ave	0.7690	0.7458		0.0194	0.0200	-3.0	20.0
1,2,3-Trichloropropane	Ave	0.2921	0.3292		0.0225	0.0200	12.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2737	0.2575		0.0188	0.0200	-5.9	20.0
n-Propylbenzene	Ave	0.7729	0.8423		0.0218	0.0200	9.0	20.0
2-Chlorotoluene	Ave	0.6541	0.7171		0.0219	0.0200	9.6	20.0
1,3,5-Trimethylbenzene	Ave	2.225	2.490		0.0224	0.0200	11.9	20.0
4-Chlorotoluene	Ave	0.7072	0.7431		0.0210	0.0200	5.1	20.0
tert-Butylbenzene	Ave	2.113	2.133		0.0202	0.0200	1.0	20.0
1,2,4-Trimethylbenzene	Ave	2.256	2.523		0.0224	0.0200	11.8	20.0
sec-Butylbenzene	Ave	2.845	3.079		0.0217	0.0200	8.3	20.0
1,3-Dichlorobenzene	Ave	1.412	1.424	0.6000	0.0202	0.0200	0.8	20.0
p-Isopropyltoluene	Ave	2.492	2.619		0.0210	0.0200	5.1	20.0
1,4-Dichlorobenzene	Ave	1.459	1.436	0.5000	0.0197	0.0200	-1.6	20.0
n-Butylbenzene	Ave	2.050	2.198		0.0214	0.0200	7.2	20.0
1,2-Dichlorobenzene	Ave	1.282	1.385	0.4000	0.0216	0.0200	8.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440294/4 Calibration Date: 06/26/2020 16:24

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1915203.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2450	0.2526	0.0500	0.0206	0.0200	3.1	50.0
1,2,4-Trichlorobenzene	Ave	0.8550	0.7141	0.2000	0.0167	0.0200	-16.5	50.0
Hexachlorobutadiene	Ave	0.4392	0.2905		0.0132	0.0200	-33.9	50.0
Naphthalene	Ave	2.363	2.445		0.0207	0.0200	3.5	50.0
1,2,3-Trichlorobenzene	Ave	0.7677	0.7070		0.0184	0.0200	-7.9	20.0
Dibromofluoromethane (Surr)	Ave	0.2692	0.2543		0.0189	0.0200	-5.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3092	0.2781		0.0180	0.0200	-10.1	20.0
Toluene-d8 (Surr)	Ave	1.199	1.299		0.0217	0.0200	8.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4513	0.4823		0.0214	0.0200	6.9	20.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Sample No.: ICIS 240-378870/11 Date Analyzed: 04/30/2019 15:17

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1269798.D Heated Purge: (Y/N) N

Calibration ID: 50823

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1246876	5.10	855324	7.76	464704	9.97
UPPER LIMIT		2493752	5.60	1710648	8.26	929408	10.47
LOWER LIMIT		623438	4.60	427662	7.26	232352	9.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 240-440074/4		1083584	5.10	733031	7.75	415140	9.97

FB = Fluorobenzene
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, Canton Job No.: 240-131928-1

SDG No.:

Sample No.: CCVIS 240-440074/4 Date Analyzed: 06/25/2020 16:36

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1278702.D Heated Purge: (Y/N) N

Calibration ID: 50829

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1083584	5.10	733031	7.75	415140	9.97
UPPER LIMIT		2167168	5.60	1466062	8.25	830280	10.47
LOWER LIMIT		541792	4.60	366516	7.25	207570	9.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-440074/5		1159962	5.10	790525	7.75	425255	9.97
MB 240-440074/8		1066464	5.10	698507	7.76	391146	9.97
240-131928-12	MSA-SW40D-061520	1047681	5.10	672645	7.75	367725	9.97
240-131928-13	MSA-SW41A-061520	1054295	5.10	666868	7.75	360852	9.97
240-131928-14	MSA-SW41B-061520	1063974	5.10	707041	7.75	383363	9.97
240-131928-15	MSA-SW41C-061520	1080730	5.10	701566	7.75	383480	9.97
240-131928-16	MSA-SW41D-061520	1082711	5.10	742718	7.75	398524	9.97

FB = Fluorobenzene
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, Canton Job No.: 240-131928-1

SDG No.:

Sample No.: ICIS 240-439793/12 Date Analyzed: 06/24/2020 11:05

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM29199.D Heated Purge: (Y/N) N

Calibration ID: 57501

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1090766	5.87	845099	8.60	448333	10.86
UPPER LIMIT		2181532	6.37	1690198	9.10	896666	11.36
LOWER LIMIT		545383	5.37	422550	8.10	224167	10.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-439793/16		1105374	5.87	855306	8.60	457266	10.86
CCVIS 240-440070/3		1191942	5.87	915835	8.60	491884	10.86

FB = Fluorobenzene
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, Canton Job No.: 240-131928-1

SDG No.:

Sample No.: CCVIS 240-440070/3 Date Analyzed: 06/26/2020 00:26

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM29279.D Heated Purge: (Y/N) N

Calibration ID: 57501

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1191942	5.87	915835	8.60	491884	10.86
UPPER LIMIT		2383884	6.37	1831670	9.10	983768	11.36
LOWER LIMIT		595971	5.37	457918	8.10	245942	10.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-440070/4		1190199	5.87	931649	8.60	481795	10.86
LCS 240-440070/5		1238217	5.87	949941	8.60	512104	10.86
MB 240-440070/8		1100369	5.87	876180	8.60	457191	10.86
240-131928-18	MSA-SW42B-061520	1103670	5.87	885613	8.60	464790	10.86
240-131928-19	MSA-SW42C-061520	1077577	5.87	862655	8.60	454639	10.86
240-131928-20	MSA-SW42D-061520	1061305	5.87	856620	8.60	450649	10.86
240-131928-21	MSA-SW43A-061520	1121552	5.87	899125	8.60	471522	10.86
240-131928-22	MSA-SW43B--061520	1051321	5.87	842548	8.60	446071	10.86
240-131928-23	MSA-SW43C-061520	1069142	5.87	865454	8.60	451612	10.86
240-131928-24	MSA-SW43D-061520	1071237	5.87	859618	8.60	451176	10.86
240-131928-25	MSA-SW44A-061520	1091688	5.87	874766	8.60	460159	10.86
240-131928-26	MSA-SW44B-061520	1108323	5.87	877983	8.60	462101	10.86
240-131928-27	MSA-SW44C-061520	1067691	5.87	858046	8.60	450563	10.86
240-131928-28	MSA-SW44D-061520	1053447	5.87	843123	8.60	441605	10.86
240-131928-29	TB--061520	1040872	5.87	845631	8.60	443887	10.86
240-131928-30	MSA-SW46A-061520	1066652	5.87	858463	8.60	449253	10.86
240-131928-31	MSA-SW47A-061520	1014530	5.87	822274	8.60	430387	10.86
240-131928-32	MSA-SW48A-061520	1047580	5.87	842901	8.60	433973	10.86
240-131928-33	MSA-SW49A--061520	1036779	5.87	831387	8.60	433200	10.86
240-131928-34	EL-SW01A-061520	1107092	5.87	887097	8.60	458544	10.86
240-131928-35	EL-SW01B-061520	1056974	5.87	836880	8.60	436812	10.86
240-131928-36	EL-SW01C-061520	1057719	5.87	858397	8.60	450255	10.86
240-131928-37	EL-SW01D-061520	1062730	5.87	854194	8.60	444940	10.86

FB = Fluorobenzene
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, Canton Job No.: 240-131928-1

SDG No.:

Sample No.: ICIS 240-342719/10 Date Analyzed: 08/27/2018 18:16

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1901326.d Heated Purge: (Y/N) N

Calibration ID: 46687

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		972482	5.65	783101	8.50	430906	10.88
UPPER LIMIT		1944964	6.15	1566202	9.00	861812	11.38
LOWER LIMIT		486241	5.15	391551	8.00	215453	10.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-342719/14		955207	5.65	765531	8.50	424750	10.88
CCVIS 240-440080/4		1162228	5.67	819093	8.50	440975	10.90
CCVIS 240-440294/4		1137912	5.67	812021	8.50	427439	10.88

FB = Fluorobenzene
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, Canton Job No.: 240-131928-1

SDG No.:

Sample No.: CCVIS 240-440080/4 Date Analyzed: 06/25/2020 16:32

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1915173.d Heated Purge: (Y/N) N

Calibration ID: 57283

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1162228	5.67	819093	8.50	440975	10.90
UPPER LIMIT		2324456	6.17	1638186	9.00	881950	11.40
LOWER LIMIT		581114	5.17	409547	8.00	220488	10.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-440080/5		1164991	5.67	829633	8.50	431931	10.88
MB 240-440080/8		1081256	5.67	766825	8.50	389039	10.88
240-131928-1	MSA-SW37A-061520	1066489	5.67	757033	8.50	384097	10.90
240-131928-2	MSA-SW37B-061520	1076765	5.67	795833	8.50	388657	10.90
240-131928-3	MSA-SW37C-061520	1056032	5.67	749995	8.50	380322	10.90
240-131928-4	MSA-SW37D-061520	1058021	5.67	751668	8.50	372262	10.90
240-131928-5	MSA-SW38A-061520	1067631	5.67	783713	8.50	383315	10.90
240-131928-6	MSA-SW38B-061520	1053119	5.67	752120	8.50	378410	10.90
240-131928-7	MSA-SW38C-061520	1057754	5.67	759787	8.50	377883	10.90
240-131928-8	MSA-SW38D-061520	1051423	5.67	760206	8.50	375872	10.90
240-131928-9	MSA-SW40A-061520	1040406	5.67	743819	8.50	373744	10.90
240-131928-10	MSA-SW40B-061520	1041923	5.67	732132	8.50	373667	10.90
240-131928-11	MSA-SW40C-061520	1050313	5.67	751057	8.50	386474	10.90

FB = Fluorobenzene
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, Canton Job No.: 240-131928-1

SDG No.:

Sample No.: CCVIS 240-440294/4 Date Analyzed: 06/26/2020 16:24

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1915203.d Heated Purge: (Y/N) N

Calibration ID: 57283

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1137912	5.67	812021	8.50	427439	10.88
UPPER LIMIT		2275824	6.17	1624042	9.00	854878	11.38
LOWER LIMIT		568956	5.17	406011	8.00	213720	10.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-440294/5		1152700	5.67	817375	8.50	438156	10.90
MB 240-440294/8		1091231	5.67	782355	8.50	385996	10.90
240-131928-17	MSA-SW42A-061520	1113954	5.67	799050	8.50	401656	10.90

FB = Fluorobenzene
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

SAMPLE IDENTIFICATION	LCS 240-440070/5	
COMPOUND	Trichloroethene	
COMPOUND AREA	292780	
INTERNAL STANDARD AMOUNT (ug)	20	
DILUTION FACTOR	1	
INTERNAL STANDARD AREA	1238217	
AVERAGE RRF	0.2725	
292780 x 20 / 1238217 x 0.2725	17.3543	ug/L
17.3543412559935 x 1	17.35	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-440070/5

Matrix: Water Lab File ID: UXM29281.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	17.2		1.0	0.14
71-55-6	1,1,1-Trichloroethane	16.9		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	16.0		1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	15.2		1.0	0.41
75-34-3	1,1-Dichloroethane	16.8		1.0	0.17
75-35-4	1,1-Dichloroethene	17.5		1.0	0.19
563-58-6	1,1-Dichloropropene	16.8		1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	16.2		1.0	0.54
96-18-4	1,2,3-Trichloropropane	17.6		1.0	0.24
120-82-1	1,2,4-Trichlorobenzene	15.8		1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	16.9		1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	16.5		5.0	0.91
95-50-1	1,2-Dichlorobenzene	15.8		1.0	0.15
107-06-2	1,2-Dichloroethane	16.7		1.0	0.21
78-87-5	1,2-Dichloropropane	17.3		1.0	0.15
541-73-1	1,3-Dichlorobenzene	16.2		1.0	0.15
142-28-9	1,3-Dichloropropane	17.0		1.0	0.21
106-46-7	1,4-Dichlorobenzene	16.6		1.0	0.16
594-20-7	2,2-Dichloropropane	15.1		1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	16.9		10	0.26
95-49-8	2-Chlorotoluene	16.1		1.0	0.15
591-78-6	2-Hexanone	35.0		5.0	0.54
108-86-1	Bromobenzene	16.6		1.0	0.12
74-97-5	Bromochloromethane	15.6		1.0	0.14
106-43-4	4-Chlorotoluene	16.6		1.0	0.090
99-87-6	p-Isopropyltoluene	16.7		1.0	0.13
67-64-1	Acetone	32.4		5.0	5.4
71-43-2	Benzene	16.8		1.0	0.13
75-25-2	Bromoform	16.7		1.0	0.76
74-83-9	Bromomethane	13.4		1.0	0.42
75-15-0	Carbon disulfide	17.5		1.0	0.28
56-23-5	Carbon tetrachloride	17.2		1.0	0.26
108-90-7	Chlorobenzene	16.6		1.0	0.14
75-00-3	Chloroethane	19.7		1.0	0.83
67-66-3	Chloroform	16.1		1.0	0.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-440070/5

Matrix: Water Lab File ID: UXM29281.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	19.5		1.0	0.20
156-59-2	cis-1,2-Dichloroethene	17.0		1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	16.7		1.0	0.61
87-68-3	Hexachlorobutadiene	16.4		1.0	0.83
74-95-3	Dibromomethane	16.8		1.0	0.090
75-27-4	Bromodichloromethane	16.8		1.0	0.17
75-71-8	Dichlorodifluoromethane	17.4		1.0	0.35
100-41-4	Ethylbenzene	16.8		1.0	0.11
106-93-4	1,2-Dibromoethane	17.2		1.0	0.12
91-20-3	Naphthalene	15.8		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	16.8		2.0	0.080
104-51-8	n-Butylbenzene	16.4		1.0	0.14
98-82-8	Isopropylbenzene	17.1		1.0	0.090
103-65-1	n-Propylbenzene	16.3		1.0	0.15
78-93-3	2-Butanone	32.7		5.0	1.2
108-10-1	4-Methyl-2-pentanone	34.6		5.0	0.42
135-98-8	sec-Butylbenzene	16.6		1.0	0.13
1634-04-4	Methyl tert-butyl ether	17.4		1.0	0.070
75-09-2	Methylene Chloride	16.7		5.0	2.6
95-47-6	o-Xylene	16.8		1.0	0.090
100-42-5	Styrene	17.0		1.0	0.10
98-06-6	tert-Butylbenzene	16.7		1.0	0.14
127-18-4	Tetrachloroethene	17.1		1.0	0.15
108-88-3	Toluene	16.7		1.0	0.14
156-60-5	trans-1,2-Dichloroethene	17.2		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	15.9		1.0	0.67
79-01-6	Trichloroethene	17.4	✓	1.0	0.10
75-69-4	Trichlorofluoromethane	19.8		1.0	0.45
108-05-4	Vinyl acetate	15.1		2.0	0.19
75-01-4	Vinyl chloride	19.7		0.50	0.20
75-65-0	tert-Butyl alcohol	173		20	1.7
1330-20-7	Xylenes, Total	33.6		2.0	0.15
124-48-1	Dibromochloromethane	16.9		1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-440070/5

Matrix: Water Lab File ID: UXM29281.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		75-130
460-00-4	4-Bromofluorobenzene (Surr)	113		47-134
2037-26-5	Toluene-d8 (Surr)	108		69-122
1868-53-7	Dibromofluoromethane (Surr)	105		78-129

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29281.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Jun-2020 01:15:30 ALS Bottle#: 40 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-005
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 07:56:43 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 07:56:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1238217	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	949941	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	512104	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	300868	20.0	20.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.597	-0.001	98	378303	20.0	21.6	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1292600	20.0	21.6	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	89	498629	20.0	22.7	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	99	253615	20.0	17.4	
10 Chloromethane	50	1.908	1.909	-0.001	99	362404	20.0	19.5	
11 Vinyl chloride	62	2.027	2.027	0.000	98	364750	20.0	19.7	
12 Butadiene	54	2.074	2.063	0.011	97	345155	20.0	21.1	
13 Bromomethane	94	2.371	2.371	0.000	90	130640	20.0	13.4	
14 Chloroethane	64	2.490	2.490	0.000	99	226930	20.0	19.7	
15 Dichlorofluoromethane	67	2.715	2.715	0.000	97	506109	20.0	18.9	
16 Trichlorofluoromethane	101	2.750	2.751	-0.001	98	381269	20.0	19.8	
17 Ethyl ether	59	3.035	3.035	0.000	90	227062	20.0	17.8	
18 Acrolein	56	3.177	3.166	0.011	98	106927	100.0	66.6	
19 1,1-Dichloroethene	96	3.260	3.260	0.000	98	240057	20.0	17.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.272	3.272	0.000	92	164914	20.0	15.2	
21 Acetone	58	3.308	3.308	0.000	100	51325	40.0	32.4	
23 Iodomethane	142	3.414	3.415	-0.001	97	347645	20.0	17.2	
24 Carbon disulfide	76	3.474	3.474	0.000	99	790290	20.0	17.5	
27 Methyl acetate	43	3.604	3.593	0.012	97	394973	40.0	34.4	
26 3-Chloro-1-propene	41	3.616	3.616	0.000	92	406486	20.0	15.8	
28 Methylene Chloride	84	3.735	3.735	0.000	93	291371	20.0	16.7	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	99	243323	200.0	173.4	
30 Acrylonitrile	53	3.948	3.948	0.000	99	1103291	200.0	174.6	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	96	737366	20.0	17.4	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	99	279450	20.0	17.2	
33 Hexane	57	4.221	4.221	0.000	91	371866	20.0	15.2	
35 Vinyl acetate	43	4.363	4.363	0.000	97	301617	20.0	15.1	
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	492605	20.0	16.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Butanone (MEK)	72	4.861	4.861	0.000	99	62225	40.0	32.7	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	82	304809	20.0	17.0	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	88	362312	20.0	15.1	
46 Tetrahydrofuran	42	5.087	5.087	0.000	90	164490	40.0	34.8	
45 Chlorobromomethane	128	5.087	5.087	0.000	98	119862	20.0	15.6	
47 Chloroform	83	5.158	5.158	0.000	94	453499	20.0	16.1	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	98	388102	20.0	16.9	
49 Cyclohexane	56	5.371	5.371	0.000	88	471746	20.0	16.4	
51 Carbon tetrachloride	117	5.442	5.442	0.000	83	319666	20.0	17.2	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	96	383072	20.0	16.8	
52 Isobutyl alcohol	41	5.502	5.502	0.000	95	189874	500.0	427.8	
54 Benzene	78	5.620	5.620	0.000	97	1150180	20.0	16.8	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	97	356067	20.0	16.7	
56 n-Heptane	57	5.845	5.846	-0.001	92	241783	20.0	14.6	
58 Trichloroethene	130	6.178	6.178	0.000	98	292780	20.0	17.4	
60 Methylcyclohexane	83	6.391	6.391	0.000	91	459580	20.0	15.3	
61 1,2-Dichloropropane	63	6.415	6.403	0.012	96	291198	20.0	17.3	
64 1,4-Dioxane	88	6.462	6.462	0.000	91	66243	400.0	339.6	
63 Dibromomethane	93	6.486	6.486	0.000	95	150720	20.0	16.8	
65 Dichlorobromomethane	83	6.628	6.628	0.000	99	342688	20.0	16.8	
67 2-Chloroethyl vinyl ether	63	6.865	6.865	0.000	92	176706	20.0	16.9	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	96	434723	20.0	16.7	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	96	454216	40.0	34.6	
70 Toluene	91	7.316	7.316	0.000	98	1179286	20.0	16.7	
71 trans-1,3-Dichloropropene	75	7.518	7.518	0.000	97	364807	20.0	15.9	
72 Ethyl methacrylate	69	7.541	7.541	0.000	90	323316	20.0	17.7	
73 1,1,2-Trichloroethane	97	7.695	7.696	-0.001	91	227407	20.0	17.7	
75 Tetrachloroethene	164	7.790	7.790	0.000	98	223442	20.0	17.1	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	88	422731	20.0	17.0	
76 2-Hexanone	43	7.885	7.885	0.000	95	323501	40.0	35.0	
78 Chlorodibromomethane	129	8.051	8.051	0.000	91	233021	20.0	16.9	
80 Ethylene Dibromide	107	8.170	8.170	0.000	98	222660	20.0	17.2	
82 Chlorobenzene	112	8.620	8.621	-0.001	95	743079	20.0	16.6	
84 Ethylbenzene	106	8.703	8.704	-0.001	98	413557	20.0	16.8	
83 1,1,1,2-Tetrachloroethane	131	8.703	8.704	-0.001	96	239208	20.0	17.2	
85 m-Xylene & p-Xylene	106	8.822	8.822	0.000	97	513827	20.0	16.8	
86 o-Xylene	106	9.201	9.202	-0.001	96	491942	20.0	16.8	
87 Styrene	104	9.213	9.213	0.000	95	839557	20.0	17.0	
88 Bromoform	173	9.403	9.403	0.000	98	148942	20.0	16.7	
89 Isopropylbenzene	105	9.545	9.545	0.000	96	1288596	20.0	17.1	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	94	279181	20.0	16.0	
93 Bromobenzene	156	9.866	9.866	0.000	97	291963	20.0	16.6	
94 trans-1,4-Dichloro-2-butene	53	9.877	9.878	-0.001	86	89237	20.0	16.5	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	80	95896	20.0	17.6	
96 N-Propylbenzene	120	9.949	9.949	0.000	99	358156	20.0	16.3	
97 2-Chlorotoluene	126	10.055	10.055	0.000	97	294240	20.0	16.1	
99 1,3,5-Trimethylbenzene	105	10.126	10.127	-0.001	94	1065493	20.0	16.8	
100 4-Chlorotoluene	126	10.174	10.174	0.000	97	315927	20.0	16.6	
102 tert-Butylbenzene	119	10.447	10.447	0.000	93	924405	20.0	16.7	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	97	1070371	20.0	16.9	
105 sec-Butylbenzene	105	10.660	10.660	0.000	94	1397872	20.0	16.6	
106 1,3-Dichlorobenzene	146	10.790	10.791	-0.001	97	562966	20.0	16.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	1171956	20.0	16.7	
108 1,4-Dichlorobenzene	146	10.885	10.885	0.000	95	579239	20.0	16.6	
111 n-Butylbenzene	91	11.217	11.218	-0.001	97	1065115	20.0	16.4	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	98	516482	20.0	15.8	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	85	61464	20.0	16.5	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	94	314021	20.0	15.8	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	97	151150	20.0	16.4	
117 Naphthalene	128	13.150	13.150	0.000	97	832468	20.0	15.8	
118 1,2,3-Trichlorobenzene	180	13.399	13.399	0.000	95	279546	20.0	16.2	
S 134 Trihalomethanes, Total	1				0		80.0	66.5	
S 158 Total BTEX	1				0		100.0	83.9	
S 133 Xylenes, Total	106				0		40.0	33.6	

Reagents:

vmfaspw_00355	Amount Added: 16.00	Units: uL	
vmfasgw_00364	Amount Added: 16.00	Units: uL	
vmfasaw_00333	Amount Added: 16.00	Units: uL	
vm50is_stk_a_00006	Amount Added: 2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added: 0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added: 2.00	Units: uL	Run Reagent

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

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								
Carbon tetrachloride	0.2683 0.3170	0.2567 0.2986	0.3113	0.3221	0.3281	Ave		0.3003			0.1000	9.2		20.0			
Isobutyl alcohol	0.0061 0.0077	0.0064 0.0085	0.0070	0.0072	0.0074	Ave		0.0072				11.3		20.0			
Benzene	1.0171 1.1382	1.0372 1.0971	1.1410	1.1527	1.1760	Ave		1.1085			0.5000	5.5		20.0			
1,2-Dichloroethane	0.3358 0.3437	0.3415 0.3319	0.3559	0.3514	0.3521	Ave		0.3446			0.1000	2.6		20.0			
n-Heptane	+++++ 0.2377	0.8060 0.2340	0.2788	0.2493	0.2493	Lin1	0.5705	0.2280				3.1			1.0000		0.9900
Trichloroethene	0.2465 0.2850	0.2400 0.2678	0.2836	0.2879	0.2966	Ave		0.2725			0.1500	8.0		20.0			
Methylcyclohexane	+++++ 0.5229	0.3700 0.5059	0.4834	0.4958	0.5364	Ave		0.4857			0.1000	12.3		20.0			
1,2-Dichloropropane	0.2505 0.2770	0.2520 0.2676	0.2785	0.2851	0.2877	Ave		0.2712			0.1000	5.6		20.0			
1,4-Dioxane	0.0028 0.0033	0.0027 0.0033	0.0033	0.0032	0.0033	Ave		0.0032				8.3		20.0			
Dibromomethane	0.1377 0.1470	0.1395 0.1412	0.1480	0.1489	0.1497	Ave		0.1446				3.4		20.0			
Bromodichloromethane	0.3301 0.3318	0.3157 0.3173	0.3360	0.3341	0.3448	Ave		0.3300			0.1500	3.1		20.0			
2-Chloroethyl vinyl ether	+++++ 0.1808	0.1392 0.1811	0.1636	0.1708	0.1802	Ave		0.1693				9.6		20.0			
cis-1,3-Dichloropropene	0.3447 0.4533	0.3612 0.4372	0.4308	0.4461	0.4637	Ave		0.4196			0.1500	11.2		20.0			
4-Methyl-2-pentanone	0.1655 0.2294	0.1933 0.2445	0.2089	0.2171	0.2249	Ave		0.2119			0.0500	12.3		20.0			
Toluene	1.3497 1.5419	1.3536 1.5163	1.5123	1.5297	1.5975	Ave		1.4859			0.4000	6.5		20.0			
trans-1,3-Dichloropropene	0.3793 0.5302	0.3928 0.5319	0.4866	0.5177	0.5401	Ave		0.4827			0.1000	14.1		20.0			
Ethyl methacrylate	0.3057 0.4191	0.3101 0.4377	0.3885	0.4036	0.4211	Ave		0.3837				14.1		20.0			
1,1,2-Trichloroethane	0.2208 0.2896	0.2472 0.2875	0.2731	0.2819	0.2964	Ave		0.2709			0.1000	10.1		20.0			
Tetrachloroethene	0.2411 0.2918	0.2352 0.2842	0.2836	0.2893	0.3023	Ave		0.2754			0.1500	9.5		20.0			
1,3-Dichloropropane	0.4377 0.5508	0.4746 0.5545	0.5319	0.5496	0.5650	Ave		0.5234				9.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

ANALYTICAL REPORT

Job Number: 240-131928-1

Job Description: MSA Surface Water

For:
Tetra Tech, Inc.
20251 Century Blvd
Suite 200
Germantown, MD 20874

Attention: Josh Mullis



Approved for release.
Opal Johnson
Project Manager II
6/30/2020 10:21 AM

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06/30/2020

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

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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.

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Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 240-131928-1
Project/Site: MSA Surface Water

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated 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
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CASE NARRATIVE

Client: Tetra Tech, Inc.

Project: MSA Surface Water

Report Number: 240-131928-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Eurofins TestAmerica, Canton attests to the validity of the laboratory data generated by Eurofins TestAmerica facilities reported herein. All analyses performed by Eurofins TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

RECEIPT

The samples were received on 6/16/2020 10:10 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.0º C.

EXCEPT: The trip blank indicated three vials on the COC: however, the laboratory received two vials.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples MSA-SW37A-061520 (240-131928-1), MSA-SW37B-061520 (240-131928-2), MSA-SW37C-061520 (240-131928-3), MSA-SW37D-061520 (240-131928-4), MSA-SW38A-061520 (240-131928-5), MSA-SW38B-061520 (240-131928-6), MSA-SW38C-061520 (240-131928-7), MSA-SW38D-061520 (240-131928-8), MSA-SW40A-061520 (240-131928-9), MSA-SW40B-061520 (240-131928-10), MSA-SW40C-061520 (240-131928-11), MSA-SW40D-061520 (240-131928-12), MSA-SW41A-061520 (240-131928-13), MSA-SW41B-061520 (240-131928-14), MSA-SW41C-061520 (240-131928-15), MSA-SW41D-061520 (240-131928-16), MSA-SW42A-061520 (240-131928-17), MSA-SW42B-061520 (240-131928-18), MSA-SW42C-061520 (240-131928-19), MSA-SW42D-061520 (240-131928-20), MSA-SW43A-061520 (240-131928-21), MSA-SW43B--061520 (240-131928-22), MSA-SW43C-061520 (240-131928-23), MSA-SW43D-061520 (240-131928-24), MSA-SW44A-061520 (240-131928-25), MSA-SW44B-061520 (240-131928-26), MSA-SW44C-061520 (240-131928-27), MSA-SW44D-061520 (240-131928-28), TB--061520 (240-131928-29), MSA-SW46A-061520 (240-131928-30), MSA-SW47A-061520 (240-131928-31), MSA-SW48A-061520 (240-131928-32), MSA-SW49A--061520 (240-131928-33), EL-SW01A-061520 (240-131928-34), EL-SW01B-061520 (240-131928-35), EL-SW01C-061520 (240-131928-36) and EL-SW01D-061520 (240-131928-37) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 06/25/2020, 06/26/2020 and 06/27/2020.

The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MSA-SW37A-061520 (240-131928-1), MSA-SW37B-061520 (240-131928-2), MSA-SW37C-061520 (240-131928-3), MSA-SW37D-061520 (240-131928-4), MSA-SW38A-061520 (240-131928-5), MSA-SW38B-061520 (240-131928-6), MSA-SW38C-061520 (240-131928-7), MSA-SW38D-061520 (240-131928-8), MSA-SW40A-061520 (240-131928-9), MSA-SW40B-061520 (240-131928-10), MSA-SW40C-061520 (240-131928-11), MSA-SW40D-061520 (240-131928-12), MSA-SW41A-061520 (240-131928-13), MSA-SW41B-061520 (240-131928-14), MSA-SW41C-061520 (240-131928-15), MSA-SW41D-061520 (240-131928-16), and MSA-SW42A-061520 (240-131928-17). MSA-SW42B-061520 (240-131928-18), MSA-SW42C-061520 (240-131928-19), MSA-SW42D-061520 (240-131928-20), MSA-SW43A-061520 (240-131928-21), MSA-SW43B--061520 (240-131928-22), MSA-SW43C-061520 (240-131928-23), MSA-SW43D-061520 (240-131928-24), MSA-SW44A-061520 (240-131928-25), MSA-SW44B-061520 (240-131928-26), MSA-SW44C-061520 (240-131928-27), MSA-SW44D-061520 (240-131928-28), TB--061520 (240-131928-29), MSA-SW46A-061520 (240-131928-30), MSA-SW47A-061520 (240-131928-31), MSA-SW48A-061520 (240-131928-32), MSA-SW49A--061520 (240-131928-33), EL-SW01A-061520 (240-131928-34), EL-SW01B-061520 (240-131928-35), EL-SW01C-061520 (240-131928-36) and

EL-SW01D-061520 (240-131928-37). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound that degrades in an acidic medium.

The continuing calibration verification (CCV) analyzed in batch 240-440070 was outside the method criteria for the following analyte(s): Multiple Analytes. 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. MSA-SW42B-061520 (240-131928-18), MSA-SW42C-061520 (240-131928-19), MSA-SW42D-061520 (240-131928-20), MSA-SW43A-061520 (240-131928-21), MSA-SW43B--061520 (240-131928-22), MSA-SW43C-061520 (240-131928-23), MSA-SW43D-061520 (240-131928-24), MSA-SW44A-061520 (240-131928-25), MSA-SW44B-061520 (240-131928-26), MSA-SW44C-061520 (240-131928-27), MSA-SW44D-061520 (240-131928-28), TB--061520 (240-131928-29), MSA-SW46A-061520 (240-131928-30), MSA-SW47A-061520 (240-131928-31), MSA-SW48A-061520 (240-131928-32), MSA-SW49A--061520 (240-131928-33), EL-SW01A-061520 (240-131928-34), EL-SW01B-061520 (240-131928-35), EL-SW01C-061520 (240-131928-36), EL-SW01D-061520 (240-131928-37), (CCV 240-440070/4) and (CCVIS 240-440070/3)

The continuing calibration verification (CCV) analyzed in batch 240-440074 was outside the method criteria for chloromethane, and difluorodichloromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 240-440080 and batch 240-440294 was outside the method criteria for some analytes. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The MS/MSD for batch 240-440294 was not reported due to an instrument malfunction. The MS/MSD result does not have immediate bearing on any samples except for the actual sample spiked. The associated laboratory control sample (LCS) met acceptance criteria and provides long-term precision and accuracy for this batch.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 240-440070.

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

Detection Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-131928-1

Client Sample ID: MSA-SW37A-061520 — Lab Sample ID: 240-131928-1

No Detections.

Client Sample ID: MSA-SW37B-061520 — Lab Sample ID: 240-131928-2

No Detections.

Client Sample ID: MSA-SW37C-061520 — Lab Sample ID: 240-131928-3

No Detections.

Client Sample ID: MSA-SW37D-061520 — Lab Sample ID: 240-131928-4

No Detections.

Client Sample ID: MSA-SW38A-061520 — Lab Sample ID: 240-131928-5

No Detections.

Client Sample ID: MSA-SW38B-061520 — Lab Sample ID: 240-131928-6

No Detections.

Client Sample ID: MSA-SW38C-061520 — Lab Sample ID: 240-131928-7

No Detections.

Client Sample ID: MSA-SW38D-061520 — Lab Sample ID: 240-131928-8

No Detections.

Client Sample ID: MSA-SW40A-061520 — Lab Sample ID: 240-131928-9

No Detections.

Client Sample ID: MSA-SW40B-061520 — Lab Sample ID: 240-131928-10

No Detections.

Client Sample ID: MSA-SW40C-061520 — Lab Sample ID: 240-131928-11

No Detections.

Client Sample ID: MSA-SW40D-061520 — Lab Sample ID: 240-131928-12

No Detections.

Client Sample ID: MSA-SW41A-061520 — Lab Sample ID: 240-131928-13

No Detections.

Client Sample ID: MSA-SW41B-061520 — Lab Sample ID: 240-131928-14

No Detections.

Client Sample ID: MSA-SW41C-061520 — Lab Sample ID: 240-131928-15

No Detections.

Client Sample ID: MSA-SW41D-061520 — Lab Sample ID: 240-131928-16

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Tetra Tech, Inc.
Job ID: 240-131928-1
Project/Site: MSA Surface Water

Client Sample ID: MSA-SW42A-061520 — Lab Sample ID: 240-131928-17

No Detections.

Client Sample ID: MSA-SW42B-061520 — Lab Sample ID: 240-131928-18

No Detections.

Client Sample ID: MSA-SW42C-061520 — Lab Sample ID: 240-131928-19

No Detections.

Client Sample ID: MSA-SW42D-061520 — Lab Sample ID: 240-131928-20

No Detections.

Client Sample ID: MSA-SW43A-061520 — Lab Sample ID: 240-131928-21

No Detections.

Client Sample ID: MSA-SW43B--061520 — Lab Sample ID: 240-131928-22

No Detections.

Client Sample ID: MSA-SW43C-061520 — Lab Sample ID: 240-131928-23

No Detections.

Client Sample ID: MSA-SW43D-061520 — Lab Sample ID: 240-131928-24

No Detections.

Client Sample ID: MSA-SW44A-061520 — Lab Sample ID: 240-131928-25

No Detections.

Client Sample ID: MSA-SW44B-061520 — Lab Sample ID: 240-131928-26

No Detections.

Client Sample ID: MSA-SW44C-061520 — Lab Sample ID: 240-131928-27

No Detections.

Client Sample ID: MSA-SW44D-061520 — Lab Sample ID: 240-131928-28

No Detections.

Client Sample ID: TB--061520 — Lab Sample ID: 240-131928-29

No Detections.

Client Sample ID: MSA-SW46A-061520 — Lab Sample ID: 240-131928-30

No Detections.

Client Sample ID: MSA-SW47A-061520 — Lab Sample ID: 240-131928-31

No Detections.

Client Sample ID: MSA-SW48A-061520 — Lab Sample ID: 240-131928-32

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Tetra Tech, Inc.
Job ID: 240-131928-1
Project/Site: MSA Surface Water

Client Sample ID: MSA-SW49A--061520 — Lab Sample ID: 240-131928-33

No Detections.

Client Sample ID: EL-SW01A-061520 — Lab Sample ID: 240-131928-34

No Detections.

Client Sample ID: EL-SW01B-061520 — Lab Sample ID: 240-131928-35

No Detections.

Client Sample ID: EL-SW01C-061520 — Lab Sample ID: 240-131928-36

No Detections.

Client Sample ID: EL-SW01D-061520 — Lab Sample ID: 240-131928-37

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MSA-SW37A-061520
Lab Sample ID: 240-131928-1

Date Collected: 06/15/20 12:20
Matrix: Water
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/25/20 23:18	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/25/20 23:18	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/25/20 23:18	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/25/20 23:18	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/25/20 23:18	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/25/20 23:18	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/25/20 23:18	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/25/20 23:18	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/25/20 23:18	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/25/20 23:18	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/25/20 23:18	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/25/20 23:18	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/25/20 23:18	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/25/20 23:18	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/25/20 23:18	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/25/20 23:18	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/25/20 23:18	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/25/20 23:18	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/25/20 23:18	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/25/20 23:18	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/25/20 23:18	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/25/20 23:18	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/25/20 23:18	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/25/20 23:18	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/25/20 23:18	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/25/20 23:18	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/25/20 23:18	1
Acetone	5.4	U	5.0	5.4	ug/L			06/25/20 23:18	1
Benzene	0.13	U	1.0	0.13	ug/L			06/25/20 23:18	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/25/20 23:18	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/25/20 23:18	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/25/20 23:18	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/25/20 23:18	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/25/20 23:18	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/25/20 23:18	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/25/20 23:18	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/25/20 23:18	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/25/20 23:18	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/25/20 23:18	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/25/20 23:18	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/25/20 23:18	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/25/20 23:18	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/25/20 23:18	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/25/20 23:18	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/25/20 23:18	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/25/20 23:18	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/25/20 23:18	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/25/20 23:18	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/25/20 23:18	1

Client Sample ID: MSA-SW37A-061520 Lab Sample ID: 240-131928-1

Date Collected: 06/15/20 12:20 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/25/20 23:18	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/25/20 23:18	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/25/20 23:18	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/25/20 23:18	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/25/20 23:18	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/25/20 23:18	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/25/20 23:18	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/25/20 23:18	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/25/20 23:18	1
Styrene	0.10	U	1.0	0.10	ug/L			06/25/20 23:18	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/25/20 23:18	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/25/20 23:18	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/25/20 23:18	1
Toluene	0.14	U	1.0	0.14	ug/L			06/25/20 23:18	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/25/20 23:18	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/25/20 23:18	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/25/20 23:18	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/25/20 23:18	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/25/20 23:18	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/25/20 23:18	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/25/20 23:18	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/25/20 23:18	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/25/20 23:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/25/20 23:18*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/25/20 23:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 130*		*06/25/20 23:18*	*1*
4-Bromofluorobenzene (Surr)	*93*		*47 - 134*		*06/25/20 23:18*	*1*
Toluene-d8 (Surr)	*103*		*69 - 122*		*06/25/20 23:18*	*1*
Dibromofluoromethane (Surr)	*101*		*78 - 129*		*06/25/20 23:18*	*1*

Client Sample ID: MSA-SW37B-061520 Lab Sample ID: 240-131928-2

Date Collected: 06/15/20 12:23 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/25/20 23:40	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/25/20 23:40	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/25/20 23:40	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/25/20 23:40	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/25/20 23:40	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/25/20 23:40	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/25/20 23:40	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/25/20 23:40	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/25/20 23:40	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/25/20 23:40	1

Client Sample ID: MSA-SW37B-061520 Lab Sample ID: 240-131928-2

Date Collected: 06/15/20 12:23 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/25/20 23:40	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/25/20 23:40	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/25/20 23:40	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/25/20 23:40	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/25/20 23:40	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/25/20 23:40	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/25/20 23:40	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/25/20 23:40	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/25/20 23:40	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/25/20 23:40	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/25/20 23:40	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/25/20 23:40	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/25/20 23:40	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/25/20 23:40	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/25/20 23:40	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/25/20 23:40	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/25/20 23:40	1
Acetone	5.4	U	5.0	5.4	ug/L			06/25/20 23:40	1
Benzene	0.13	U	1.0	0.13	ug/L			06/25/20 23:40	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/25/20 23:40	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/25/20 23:40	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/25/20 23:40	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/25/20 23:40	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/25/20 23:40	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/25/20 23:40	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/25/20 23:40	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/25/20 23:40	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/25/20 23:40	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/25/20 23:40	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/25/20 23:40	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/25/20 23:40	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/25/20 23:40	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/25/20 23:40	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/25/20 23:40	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/25/20 23:40	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/25/20 23:40	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/25/20 23:40	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/25/20 23:40	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/25/20 23:40	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/25/20 23:40	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/25/20 23:40	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/25/20 23:40	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/25/20 23:40	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/25/20 23:40	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/25/20 23:40	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/25/20 23:40	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/25/20 23:40	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/25/20 23:40	1
Styrene	0.10	U	1.0	0.10	ug/L			06/25/20 23:40	1

Client Sample ID: MSA-SW37B-061520 Lab Sample ID: 240-131928-2

Date Collected: 06/15/20 12:23 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/25/20 23:40	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/25/20 23:40	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/25/20 23:40	1
Toluene	0.14	U	1.0	0.14	ug/L			06/25/20 23:40	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/25/20 23:40	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/25/20 23:40	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/25/20 23:40	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/25/20 23:40	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/25/20 23:40	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/25/20 23:40	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/25/20 23:40	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/25/20 23:40	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/25/20 23:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/25/20 23:40*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/25/20 23:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 130*		*06/25/20 23:40*	*1*
4-Bromofluorobenzene (Surr)	*92*		*47 - 134*		*06/25/20 23:40*	*1*
Toluene-d8 (Surr)	*101*		*69 - 122*		*06/25/20 23:40*	*1*
Dibromofluoromethane (Surr)	*99*		*78 - 129*		*06/25/20 23:40*	*1*

Client Sample ID: MSA-SW37C-061520 Lab Sample ID: 240-131928-3

Date Collected: 06/15/20 12:26 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 00:03	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 00:03	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 00:03	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 00:03	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 00:03	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 00:03	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 00:03	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 00:03	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 00:03	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 00:03	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 00:03	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 00:03	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 00:03	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 00:03	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 00:03	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 00:03	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 00:03	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 00:03	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 00:03	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 00:03	1

Client Sample ID: MSA-SW37C-061520 Lab Sample ID: 240-131928-3

Date Collected: 06/15/20 12:26 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 00:03	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 00:03	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 00:03	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 00:03	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 00:03	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 00:03	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 00:03	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 00:03	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 00:03	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 00:03	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 00:03	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 00:03	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 00:03	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 00:03	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 00:03	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 00:03	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 00:03	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 00:03	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 00:03	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 00:03	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 00:03	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 00:03	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 00:03	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 00:03	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 00:03	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 00:03	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 00:03	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 00:03	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 00:03	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 00:03	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 00:03	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 00:03	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 00:03	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 00:03	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 00:03	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 00:03	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 00:03	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 00:03	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 00:03	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 00:03	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 00:03	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 00:03	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 00:03	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 00:03	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 00:03	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 00:03	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 00:03	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 00:03	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 00:03	1

Client Sample ID: MSA-SW37C-061520 Lab Sample ID: 240-131928-3

Date Collected: 06/15/20 12:26 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 00:03	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 00:03	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 00:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 00:03*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 00:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 130*		*06/26/20 00:03*	*1*
4-Bromofluorobenzene (Surr)	*92*		*47 - 134*		*06/26/20 00:03*	*1*
Toluene-d8 (Surr)	*104*		*69 - 122*		*06/26/20 00:03*	*1*
Dibromofluoromethane (Surr)	*100*		*78 - 129*		*06/26/20 00:03*	*1*

Client Sample ID: MSA-SW37D-061520 Lab Sample ID: 240-131928-4

Date Collected: 06/15/20 12:30 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 00:25	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 00:25	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 00:25	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 00:25	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 00:25	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 00:25	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 00:25	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 00:25	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 00:25	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 00:25	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 00:25	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 00:25	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 00:25	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 00:25	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 00:25	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 00:25	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 00:25	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 00:25	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 00:25	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 00:25	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 00:25	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 00:25	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 00:25	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 00:25	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 00:25	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 00:25	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 00:25	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 00:25	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 00:25	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 00:25	1

Client Sample ID: MSA-SW37D-061520 **Lab Sample ID: 240-131928-4**
Date Collected: 06/15/20 12:30 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 00:25	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 00:25	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 00:25	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 00:25	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 00:25	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 00:25	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 00:25	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 00:25	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 00:25	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 00:25	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 00:25	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 00:25	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 00:25	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 00:25	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 00:25	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 00:25	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 00:25	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 00:25	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 00:25	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 00:25	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 00:25	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 00:25	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 00:25	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 00:25	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 00:25	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 00:25	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 00:25	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 00:25	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 00:25	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 00:25	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 00:25	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 00:25	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 00:25	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 00:25	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 00:25	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 00:25	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 00:25	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 00:25	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 00:25	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 00:25	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 00:25	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 00:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 00:25*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 00:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 130*		*06/26/20 00:25*	*1*
4-Bromofluorobenzene (Surr)	*95*		*47 - 134*		*06/26/20 00:25*	*1*

Client Sample ID: MSA-SW37D-061520 Lab Sample ID: 240-131928-4

Date Collected: 06/15/20 12:30 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*69 - 122*		*06/26/20 00:25*	*1*
Dibromofluoromethane (Surr)	*100*		*78 - 129*		*06/26/20 00:25*	*1*

Client Sample ID: MSA-SW38A-061520 Lab Sample ID: 240-131928-5

Date Collected: 06/15/20 11:36 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 00:47	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 00:47	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 00:47	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 00:47	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 00:47	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 00:47	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 00:47	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 00:47	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 00:47	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 00:47	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 00:47	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 00:47	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 00:47	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 00:47	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 00:47	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 00:47	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 00:47	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 00:47	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 00:47	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 00:47	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 00:47	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 00:47	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 00:47	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 00:47	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 00:47	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 00:47	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 00:47	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 00:47	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 00:47	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 00:47	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 00:47	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 00:47	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 00:47	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 00:47	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 00:47	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 00:47	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 00:47	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 00:47	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 00:47	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 00:47	1

Client Sample ID: MSA-SW38A-061520 Lab Sample ID: 240-131928-5

Date Collected: 06/15/20 11:36 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 00:47	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 00:47	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 00:47	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 00:47	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 00:47	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 00:47	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 00:47	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 00:47	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 00:47	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 00:47	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 00:47	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 00:47	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 00:47	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 00:47	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 00:47	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 00:47	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 00:47	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 00:47	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 00:47	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 00:47	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 00:47	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 00:47	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 00:47	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 00:47	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 00:47	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 00:47	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 00:47	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 00:47	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 00:47	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 00:47	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 00:47	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 00:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 00:47*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 00:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 130*		*06/26/20 00:47*	*1*
4-Bromofluorobenzene (Surr)	*92*		*47 - 134*		*06/26/20 00:47*	*1*
Toluene-d8 (Surr)	*101*		*69 - 122*		*06/26/20 00:47*	*1*
Dibromofluoromethane (Surr)	*100*		*78 - 129*		*06/26/20 00:47*	*1*

Client Sample ID: MSA-SW38B-061520 Lab Sample ID: 240-131928-6

Date Collected: 06/15/20 11:39 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 01:10	1

Client Sample ID: MSA-SW38B-061520
Lab Sample ID: 240-131928-6

Date Collected: 06/15/20 11:39
Matrix: Water
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 01:10	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 01:10	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 01:10	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 01:10	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 01:10	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 01:10	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 01:10	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 01:10	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 01:10	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 01:10	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 01:10	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 01:10	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 01:10	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 01:10	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 01:10	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 01:10	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 01:10	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 01:10	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 01:10	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 01:10	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 01:10	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 01:10	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 01:10	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 01:10	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 01:10	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 01:10	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 01:10	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 01:10	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 01:10	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 01:10	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 01:10	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 01:10	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 01:10	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 01:10	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 01:10	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 01:10	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 01:10	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 01:10	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 01:10	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 01:10	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 01:10	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 01:10	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 01:10	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 01:10	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 01:10	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 01:10	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 01:10	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 01:10	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 01:10	1

Client Sample ID: MSA-SW38B-061520 Lab Sample ID: 240-131928-6

Date Collected: 06/15/20 11:39 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 01:10	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 01:10	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 01:10	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 01:10	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 01:10	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 01:10	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 01:10	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 01:10	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 01:10	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 01:10	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 01:10	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 01:10	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 01:10	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 01:10	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 01:10	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 01:10	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 01:10	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 01:10	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 01:10	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 01:10	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 01:10	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 01:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 01:10*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 01:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 130*		*06/26/20 01:10*	*1*
4-Bromofluorobenzene (Surr)	*96*		*47 - 134*		*06/26/20 01:10*	*1*
Toluene-d8 (Surr)	*104*		*69 - 122*		*06/26/20 01:10*	*1*
Dibromofluoromethane (Surr)	*103*		*78 - 129*		*06/26/20 01:10*	*1*

Client Sample ID: MSA-SW38C-061520 Lab Sample ID: 240-131928-7

Date Collected: 06/15/20 11:43 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 01:33	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 01:33	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 01:33	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 01:33	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 01:33	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 01:33	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 01:33	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 01:33	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 01:33	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 01:33	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 01:33	1

Client Sample ID: MSA-SW38C-061520 Lab Sample ID: 240-131928-7

Date Collected: 06/15/20 11:43 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 01:33	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 01:33	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 01:33	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 01:33	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 01:33	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 01:33	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 01:33	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 01:33	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 01:33	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 01:33	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 01:33	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 01:33	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 01:33	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 01:33	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 01:33	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 01:33	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 01:33	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 01:33	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 01:33	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 01:33	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 01:33	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 01:33	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 01:33	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 01:33	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 01:33	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 01:33	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 01:33	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 01:33	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 01:33	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 01:33	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 01:33	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 01:33	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 01:33	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 01:33	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 01:33	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 01:33	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 01:33	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 01:33	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 01:33	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 01:33	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 01:33	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 01:33	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 01:33	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 01:33	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 01:33	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 01:33	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 01:33	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 01:33	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 01:33	1

Client Sample ID: MSA-SW38C-061520 Lab Sample ID: 240-131928-7

Date Collected: 06/15/20 11:43 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 01:33	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 01:33	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 01:33	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 01:33	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 01:33	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 01:33	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 01:33	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 01:33	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 01:33	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 01:33	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 01:33	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 01:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 01:33*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 01:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 130*		*06/26/20 01:33*	*1*
4-Bromofluorobenzene (Surr)	*91*		*47 - 134*		*06/26/20 01:33*	*1*
Toluene-d8 (Surr)	*100*		*69 - 122*		*06/26/20 01:33*	*1*
Dibromofluoromethane (Surr)	*100*		*78 - 129*		*06/26/20 01:33*	*1*

Client Sample ID: MSA-SW38D-061520 Lab Sample ID: 240-131928-8

Date Collected: 06/15/20 11:45 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 01:55	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 01:55	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 01:55	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 01:55	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 01:55	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 01:55	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 01:55	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 01:55	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 01:55	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 01:55	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 01:55	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 01:55	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 01:55	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 01:55	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 01:55	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 01:55	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 01:55	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 01:55	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 01:55	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 01:55	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 01:55	1

Client Sample ID: MSA-SW38D-061520
Lab Sample ID: 240-131928-8

Date Collected: 06/15/20 11:45
Matrix: Water
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 01:55	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 01:55	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 01:55	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 01:55	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 01:55	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 01:55	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 01:55	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 01:55	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 01:55	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 01:55	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 01:55	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 01:55	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 01:55	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 01:55	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 01:55	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 01:55	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 01:55	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 01:55	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 01:55	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 01:55	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 01:55	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 01:55	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 01:55	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 01:55	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 01:55	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 01:55	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 01:55	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 01:55	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 01:55	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 01:55	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 01:55	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 01:55	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 01:55	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 01:55	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 01:55	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 01:55	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 01:55	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 01:55	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 01:55	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 01:55	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 01:55	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 01:55	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 01:55	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 01:55	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 01:55	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 01:55	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 01:55	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 01:55	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 01:55	1

Client Sample ID: MSA-SW38D-061520 Lab Sample ID: 240-131928-8

Date Collected: 06/15/20 11:45 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 01:55	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 01:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 01:55*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 01:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 130*		*06/26/20 01:55*	*1*
4-Bromofluorobenzene (Surr)	*91*		*47 - 134*		*06/26/20 01:55*	*1*
Toluene-d8 (Surr)	*102*		*69 - 122*		*06/26/20 01:55*	*1*
Dibromofluoromethane (Surr)	*99*		*78 - 129*		*06/26/20 01:55*	*1*

Client Sample ID: MSA-SW40A-061520 Lab Sample ID: 240-131928-9

Date Collected: 06/15/20 11:52 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 02:18	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 02:18	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 02:18	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 02:18	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 02:18	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 02:18	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 02:18	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 02:18	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 02:18	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 02:18	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 02:18	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 02:18	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 02:18	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:18	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 02:18	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 02:18	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:18	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 02:18	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 02:18	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 02:18	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 02:18	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 02:18	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 02:18	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 02:18	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 02:18	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 02:18	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 02:18	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 02:18	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 02:18	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 02:18	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 02:18	1

Client Sample ID: MSA-SW40A-061520 Lab Sample ID: 240-131928-9

Date Collected: 06/15/20 11:52 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 02:18	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 02:18	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:18	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 02:18	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 02:18	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 02:18	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 02:18	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 02:18	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 02:18	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 02:18	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 02:18	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 02:18	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 02:18	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 02:18	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 02:18	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 02:18	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 02:18	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:18	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 02:18	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:18	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 02:18	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 02:18	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 02:18	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 02:18	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 02:18	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 02:18	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 02:18	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 02:18	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 02:18	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:18	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 02:18	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 02:18	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 02:18	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 02:18	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 02:18	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 02:18	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 02:18	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 02:18	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 02:18	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 02:18	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 02:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 02:18*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 02:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 130*		*06/26/20 02:18*	*1*
4-Bromofluorobenzene (Surr)	*93*		*47 - 134*		*06/26/20 02:18*	*1*
Toluene-d8 (Surr)	*101*		*69 - 122*		*06/26/20 02:18*	*1*

Client Sample ID: MSA-SW40A-061520 Lab Sample ID: 240-131928-9

Date Collected: 06/15/20 11:52 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*102*		*78 - 129*		*06/26/20 02:18*	*1*

Client Sample ID: MSA-SW40B-061520 Lab Sample ID: 240-131928-10

Date Collected: 06/15/20 11:55 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 02:40	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 02:40	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 02:40	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 02:40	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 02:40	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 02:40	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 02:40	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 02:40	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 02:40	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 02:40	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 02:40	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 02:40	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 02:40	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:40	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 02:40	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 02:40	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:40	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 02:40	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 02:40	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 02:40	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 02:40	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 02:40	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 02:40	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 02:40	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 02:40	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 02:40	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 02:40	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 02:40	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 02:40	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 02:40	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 02:40	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 02:40	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 02:40	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:40	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 02:40	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 02:40	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 02:40	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 02:40	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 02:40	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 02:40	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 02:40	1

Client Sample ID: MSA-SW40B-061520 Lab Sample ID: 240-131928-10

Date Collected: 06/15/20 11:55 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 02:40	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 02:40	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 02:40	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 02:40	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 02:40	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 02:40	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 02:40	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:40	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 02:40	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:40	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 02:40	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 02:40	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 02:40	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 02:40	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 02:40	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 02:40	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 02:40	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 02:40	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 02:40	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:40	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 02:40	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 02:40	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 02:40	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 02:40	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 02:40	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 02:40	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 02:40	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 02:40	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 02:40	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 02:40	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 02:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 02:40*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 02:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 130*		*06/26/20 02:40*	*1*
4-Bromofluorobenzene (Surr)	*98*		*47 - 134*		*06/26/20 02:40*	*1*
Toluene-d8 (Surr)	*104*		*69 - 122*		*06/26/20 02:40*	*1*
Dibromofluoromethane (Surr)	*101*		*78 - 129*		*06/26/20 02:40*	*1*

Client Sample ID: MSA-SW40C-061520 Lab Sample ID: 240-131928-11

Date Collected: 06/15/20 11:57 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 03:02	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 03:02	1

Client Sample ID: MSA-SW40C-061520 Lab Sample ID: 240-131928-11

Date Collected: 06/15/20 11:57 **Matrix: Water**
Date Received: 06/16/20 10:10

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	0.13	U	1.0	0.13	ug/L			06/26/20 03:02	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 03:02	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 03:02	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 03:02	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 03:02	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 03:02	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 03:02	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 03:02	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 03:02	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 03:02	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 03:02	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 03:02	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 03:02	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 03:02	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 03:02	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 03:02	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 03:02	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 03:02	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 03:02	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 03:02	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 03:02	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 03:02	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 03:02	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 03:02	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 03:02	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 03:02	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 03:02	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 03:02	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 03:02	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 03:02	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 03:02	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 03:02	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 03:02	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 03:02	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 03:02	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 03:02	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 03:02	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 03:02	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 03:02	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 03:02	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 03:02	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 03:02	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 03:02	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 03:02	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 03:02	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 03:02	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 03:02	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 03:02	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 03:02	1

Client Sample ID: MSA-SW40C-061520 Lab Sample ID: 240-131928-11

Date Collected: 06/15/20 11:57 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 03:02	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 03:02	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 03:02	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 03:02	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 03:02	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 03:02	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 03:02	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 03:02	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 03:02	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 03:02	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 03:02	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 03:02	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 03:02	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 03:02	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 03:02	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 03:02	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 03:02	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 03:02	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 03:02	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 03:02	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 03:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 03:02*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 03:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 130*		*06/26/20 03:02*	*1*
4-Bromofluorobenzene (Surr)	*91*		*47 - 134*		*06/26/20 03:02*	*1*
Toluene-d8 (Surr)	*103*		*69 - 122*		*06/26/20 03:02*	*1*
Dibromofluoromethane (Surr)	*99*		*78 - 129*		*06/26/20 03:02*	*1*

Client Sample ID: MSA-SW40D-061520 Lab Sample ID: 240-131928-12

Date Collected: 06/15/20 12:00 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 01:34	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 01:34	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 01:34	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 01:34	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 01:34	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 01:34	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 01:34	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 01:34	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 01:34	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 01:34	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 01:34	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 01:34	1

Client Sample ID: MSA-SW40D-061520 **Lab Sample ID: 240-131928-12**
Date Collected: 06/15/20 12:00 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 01:34	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 01:34	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 01:34	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 01:34	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 01:34	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 01:34	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 01:34	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 01:34	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 01:34	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 01:34	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 01:34	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 01:34	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 01:34	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 01:34	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 01:34	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 01:34	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 01:34	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 01:34	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 01:34	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 01:34	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 01:34	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 01:34	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 01:34	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 01:34	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 01:34	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 01:34	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 01:34	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 01:34	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 01:34	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 01:34	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 01:34	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 01:34	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 01:34	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 01:34	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 01:34	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 01:34	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 01:34	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 01:34	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 01:34	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 01:34	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 01:34	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 01:34	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 01:34	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 01:34	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 01:34	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 01:34	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 01:34	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 01:34	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 01:34	1

Client Sample ID: MSA-SW40D-061520 Lab Sample ID: 240-131928-12

Date Collected: 06/15/20 12:00 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 01:34	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 01:34	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 01:34	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 01:34	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 01:34	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 01:34	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 01:34	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 01:34	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 01:34	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 01:34	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 01:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 01:34*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 01:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 130*		*06/26/20 01:34*	*1*
4-Bromofluorobenzene (Surr)	*86*		*47 - 134*		*06/26/20 01:34*	*1*
Toluene-d8 (Surr)	*92*		*69 - 122*		*06/26/20 01:34*	*1*
Dibromofluoromethane (Surr)	*90*		*78 - 129*		*06/26/20 01:34*	*1*

Client Sample ID: MSA-SW41A-061520 Lab Sample ID: 240-131928-13

Date Collected: 06/15/20 11:20 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 01:56	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 01:56	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 01:56	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 01:56	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 01:56	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 01:56	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 01:56	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 01:56	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 01:56	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 01:56	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 01:56	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 01:56	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 01:56	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 01:56	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 01:56	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 01:56	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 01:56	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 01:56	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 01:56	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 01:56	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 01:56	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 01:56	1

Client Sample ID: MSA-SW41A-061520 Lab Sample ID: 240-131928-13

Date Collected: 06/15/20 11:20 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 01:56	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 01:56	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 01:56	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 01:56	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 01:56	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 01:56	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 01:56	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 01:56	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 01:56	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 01:56	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 01:56	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 01:56	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 01:56	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 01:56	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 01:56	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 01:56	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 01:56	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 01:56	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 01:56	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 01:56	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 01:56	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 01:56	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 01:56	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 01:56	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 01:56	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 01:56	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 01:56	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 01:56	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 01:56	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 01:56	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 01:56	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 01:56	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 01:56	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 01:56	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 01:56	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 01:56	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 01:56	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 01:56	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 01:56	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 01:56	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 01:56	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 01:56	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 01:56	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 01:56	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 01:56	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 01:56	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 01:56	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 01:56	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 01:56	1

Client Sample ID: MSA-SW41A-061520 Lab Sample ID: 240-131928-13

Date Collected: 06/15/20 11:20 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 01:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 01:56*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 01:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 130*		*06/26/20 01:56*	*1*
4-Bromofluorobenzene (Surr)	*96*		*47 - 134*		*06/26/20 01:56*	*1*
Toluene-d8 (Surr)	*99*		*69 - 122*		*06/26/20 01:56*	*1*
Dibromofluoromethane (Surr)	*99*		*78 - 129*		*06/26/20 01:56*	*1*

Client Sample ID: MSA-SW41B-061520 Lab Sample ID: 240-131928-14

Date Collected: 06/15/20 11:23 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 02:19	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 02:19	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 02:19	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 02:19	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 02:19	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 02:19	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 02:19	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 02:19	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 02:19	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 02:19	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 02:19	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 02:19	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 02:19	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:19	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 02:19	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 02:19	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:19	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 02:19	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 02:19	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 02:19	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 02:19	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 02:19	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 02:19	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 02:19	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 02:19	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 02:19	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 02:19	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 02:19	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 02:19	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 02:19	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 02:19	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 02:19	1

Client Sample ID: MSA-SW41B-061520 Lab Sample ID: 240-131928-14

Date Collected: 06/15/20 11:23 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 02:19	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:19	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 02:19	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 02:19	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 02:19	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 02:19	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 02:19	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 02:19	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 02:19	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 02:19	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 02:19	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 02:19	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 02:19	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 02:19	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 02:19	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 02:19	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:19	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 02:19	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:19	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 02:19	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 02:19	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 02:19	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 02:19	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 02:19	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 02:19	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 02:19	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 02:19	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 02:19	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:19	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 02:19	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 02:19	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 02:19	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 02:19	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 02:19	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 02:19	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 02:19	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 02:19	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 02:19	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 02:19	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 02:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 02:19*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 02:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 130*		*06/26/20 02:19*	*1*
4-Bromofluorobenzene (Surr)	*88*		*47 - 134*		*06/26/20 02:19*	*1*
Toluene-d8 (Surr)	*93*		*69 - 122*		*06/26/20 02:19*	*1*
Dibromofluoromethane (Surr)	*92*		*78 - 129*		*06/26/20 02:19*	*1*

Client Sample ID: MSA-SW41C-061520 Lab Sample ID: 240-131928-15

Date Collected: 06/15/20 11:26 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 02:41	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 02:41	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 02:41	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 02:41	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 02:41	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 02:41	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 02:41	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 02:41	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 02:41	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 02:41	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 02:41	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 02:41	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 02:41	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:41	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 02:41	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 02:41	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:41	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 02:41	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 02:41	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 02:41	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 02:41	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 02:41	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 02:41	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 02:41	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 02:41	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 02:41	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 02:41	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 02:41	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 02:41	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 02:41	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 02:41	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 02:41	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 02:41	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:41	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 02:41	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 02:41	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 02:41	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 02:41	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 02:41	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 02:41	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 02:41	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 02:41	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 02:41	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 02:41	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 02:41	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 02:41	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 02:41	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 02:41	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:41	1

Client Sample ID: MSA-SW41C-061520 Lab Sample ID: 240-131928-15

Date Collected: 06/15/20 11:26 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 02:41	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:41	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 02:41	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 02:41	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 02:41	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 02:41	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 02:41	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 02:41	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 02:41	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 02:41	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 02:41	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:41	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 02:41	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 02:41	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 02:41	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 02:41	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 02:41	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 02:41	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 02:41	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 02:41	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 02:41	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 02:41	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 02:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 02:41*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 02:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 130*		*06/26/20 02:41*	*1*
4-Bromofluorobenzene (Surr)	*90*		*47 - 134*		*06/26/20 02:41*	*1*
Toluene-d8 (Surr)	*95*		*69 - 122*		*06/26/20 02:41*	*1*
Dibromofluoromethane (Surr)	*95*		*78 - 129*		*06/26/20 02:41*	*1*

Client Sample ID: MSA-SW41D-061520 Lab Sample ID: 240-131928-16

Date Collected: 06/15/20 11:29 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 03:04	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 03:04	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 03:04	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 03:04	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 03:04	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 03:04	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 03:04	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 03:04	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 03:04	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 03:04	1

Client Sample ID: MSA-SW41D-061520 Lab Sample ID: 240-131928-16

Date Collected: 06/15/20 11:29 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 03:04	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 03:04	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 03:04	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 03:04	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 03:04	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 03:04	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 03:04	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 03:04	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 03:04	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 03:04	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 03:04	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 03:04	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 03:04	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 03:04	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 03:04	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 03:04	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 03:04	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 03:04	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 03:04	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 03:04	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 03:04	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 03:04	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 03:04	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 03:04	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 03:04	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 03:04	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 03:04	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 03:04	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 03:04	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 03:04	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 03:04	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 03:04	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 03:04	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 03:04	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 03:04	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 03:04	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 03:04	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 03:04	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 03:04	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 03:04	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 03:04	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 03:04	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 03:04	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 03:04	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 03:04	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 03:04	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 03:04	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 03:04	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 03:04	1

Client Sample ID: MSA-SW41D-061520 Lab Sample ID: 240-131928-16

Date Collected: 06/15/20 11:29 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 03:04	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 03:04	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 03:04	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 03:04	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 03:04	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 03:04	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 03:04	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 03:04	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 03:04	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 03:04	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 03:04	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 03:04	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 03:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 03:04*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 03:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 130*		*06/26/20 03:04*	*1*
4-Bromofluorobenzene (Surr)	*96*		*47 - 134*		*06/26/20 03:04*	*1*
Toluene-d8 (Surr)	*98*		*69 - 122*		*06/26/20 03:04*	*1*
Dibromofluoromethane (Surr)	*93*		*78 - 129*		*06/26/20 03:04*	*1*

Client Sample ID: MSA-SW42A-061520 Lab Sample ID: 240-131928-17

Date Collected: 06/15/20 12:06 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/27/20 00:39	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/27/20 00:39	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/27/20 00:39	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/27/20 00:39	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/27/20 00:39	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/27/20 00:39	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/27/20 00:39	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/27/20 00:39	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/27/20 00:39	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/27/20 00:39	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/27/20 00:39	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/27/20 00:39	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/27/20 00:39	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/27/20 00:39	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/27/20 00:39	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/27/20 00:39	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/27/20 00:39	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/27/20 00:39	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/27/20 00:39	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/27/20 00:39	1

Client Sample ID: MSA-SW42A-061520
Lab Sample ID: 240-131928-17

Date Collected: 06/15/20 12:06
Matrix: Water
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/27/20 00:39	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/27/20 00:39	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/27/20 00:39	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/27/20 00:39	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/27/20 00:39	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/27/20 00:39	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/27/20 00:39	1
Acetone	5.4	U	5.0	5.4	ug/L			06/27/20 00:39	1
Benzene	0.13	U	1.0	0.13	ug/L			06/27/20 00:39	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/27/20 00:39	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/27/20 00:39	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/27/20 00:39	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/27/20 00:39	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/27/20 00:39	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/27/20 00:39	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/27/20 00:39	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/27/20 00:39	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/27/20 00:39	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/27/20 00:39	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/27/20 00:39	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/27/20 00:39	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/27/20 00:39	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/27/20 00:39	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/27/20 00:39	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/27/20 00:39	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/27/20 00:39	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/27/20 00:39	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/27/20 00:39	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/27/20 00:39	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/27/20 00:39	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/27/20 00:39	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/27/20 00:39	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/27/20 00:39	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/27/20 00:39	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/27/20 00:39	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/27/20 00:39	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/27/20 00:39	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/27/20 00:39	1
Styrene	0.10	U	1.0	0.10	ug/L			06/27/20 00:39	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/27/20 00:39	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/27/20 00:39	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/27/20 00:39	1
Toluene	0.14	U	1.0	0.14	ug/L			06/27/20 00:39	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/27/20 00:39	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/27/20 00:39	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/27/20 00:39	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/27/20 00:39	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/27/20 00:39	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/27/20 00:39	1

Client Sample ID: MSA-SW42A-061520 Lab Sample ID: 240-131928-17

Date Collected: 06/15/20 12:06 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/27/20 00:39	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/27/20 00:39	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/27/20 00:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/27/20 00:39*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/27/20 00:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 130*		*06/27/20 00:39*	*1*
4-Bromofluorobenzene (Surr)	*92*		*47 - 134*		*06/27/20 00:39*	*1*
Toluene-d8 (Surr)	*101*		*69 - 122*		*06/27/20 00:39*	*1*
Dibromofluoromethane (Surr)	*95*		*78 - 129*		*06/27/20 00:39*	*1*

Client Sample ID: MSA-SW42B-061520 Lab Sample ID: 240-131928-18

Date Collected: 06/15/20 12:09 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 02:54	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 02:54	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 02:54	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 02:54	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 02:54	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 02:54	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 02:54	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 02:54	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 02:54	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 02:54	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 02:54	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 02:54	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 02:54	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:54	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 02:54	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 02:54	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:54	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 02:54	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 02:54	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 02:54	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 02:54	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 02:54	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 02:54	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 02:54	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 02:54	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 02:54	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 02:54	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 02:54	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 02:54	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 02:54	1

Client Sample ID: MSA-SW42B-061520 Lab Sample ID: 240-131928-18

Date Collected: 06/15/20 12:09 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 02:54	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 02:54	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 02:54	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:54	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 02:54	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 02:54	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 02:54	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 02:54	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 02:54	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 02:54	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 02:54	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 02:54	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 02:54	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 02:54	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 02:54	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 02:54	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 02:54	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 02:54	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:54	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 02:54	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:54	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 02:54	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 02:54	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 02:54	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 02:54	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 02:54	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 02:54	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 02:54	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 02:54	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 02:54	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:54	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 02:54	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 02:54	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 02:54	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 02:54	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 02:54	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 02:54	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 02:54	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 02:54	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 02:54	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 02:54	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 02:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 02:54*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 02:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 130*		*06/26/20 02:54*	*1*
4-Bromofluorobenzene (Surr)	*116*		*47 - 134*		*06/26/20 02:54*	*1*

Client Sample ID: MSA-SW42B-061520 Lab Sample ID: 240-131928-18

Date Collected: 06/15/20 12:09 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*69 - 122*		*06/26/20 02:54*	*1*
Dibromofluoromethane (Surr)	*113*		*78 - 129*		*06/26/20 02:54*	*1*

Client Sample ID: MSA-SW42C-061520 Lab Sample ID: 240-131928-19

Date Collected: 06/15/20 12:11 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 03:19	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 03:19	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 03:19	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 03:19	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 03:19	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 03:19	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 03:19	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 03:19	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 03:19	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 03:19	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 03:19	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 03:19	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 03:19	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 03:19	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 03:19	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 03:19	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 03:19	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 03:19	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 03:19	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 03:19	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 03:19	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 03:19	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 03:19	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 03:19	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 03:19	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 03:19	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 03:19	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 03:19	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 03:19	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 03:19	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 03:19	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 03:19	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 03:19	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 03:19	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 03:19	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 03:19	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 03:19	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 03:19	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 03:19	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 03:19	1

Client Sample ID: MSA-SW42C-061520 Lab Sample ID: 240-131928-19

Date Collected: 06/15/20 12:11 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 03:19	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 03:19	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 03:19	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 03:19	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 03:19	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 03:19	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 03:19	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 03:19	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 03:19	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 03:19	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 03:19	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 03:19	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 03:19	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 03:19	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 03:19	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 03:19	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 03:19	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 03:19	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 03:19	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 03:19	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 03:19	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 03:19	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 03:19	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 03:19	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 03:19	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 03:19	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 03:19	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 03:19	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 03:19	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 03:19	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 03:19	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 03:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 03:19*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 03:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 130*		*06/26/20 03:19*	*1*
4-Bromofluorobenzene (Surr)	*114*		*47 - 134*		*06/26/20 03:19*	*1*
Toluene-d8 (Surr)	*107*		*69 - 122*		*06/26/20 03:19*	*1*
Dibromofluoromethane (Surr)	*112*		*78 - 129*		*06/26/20 03:19*	*1*

Client Sample ID: MSA-SW42D-061520 Lab Sample ID: 240-131928-20

Date Collected: 06/15/20 12:15 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 03:43	1

Client Sample ID: MSA-SW42D-061520 Lab Sample ID: 240-131928-20

Date Collected: 06/15/20 12:15 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 03:43	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 03:43	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 03:43	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 03:43	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 03:43	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 03:43	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 03:43	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 03:43	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 03:43	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 03:43	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 03:43	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 03:43	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 03:43	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 03:43	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 03:43	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 03:43	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 03:43	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 03:43	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 03:43	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 03:43	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 03:43	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 03:43	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 03:43	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 03:43	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 03:43	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 03:43	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 03:43	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 03:43	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 03:43	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 03:43	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 03:43	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 03:43	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 03:43	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 03:43	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 03:43	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 03:43	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 03:43	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 03:43	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 03:43	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 03:43	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 03:43	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 03:43	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 03:43	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 03:43	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 03:43	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 03:43	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 03:43	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 03:43	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 03:43	1

Client Sample ID: MSA-SW42D-061520 Lab Sample ID: 240-131928-20

Date Collected: 06/15/20 12:15 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 03:43	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 03:43	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 03:43	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 03:43	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 03:43	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 03:43	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 03:43	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 03:43	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 03:43	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 03:43	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 03:43	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 03:43	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 03:43	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 03:43	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 03:43	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 03:43	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 03:43	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 03:43	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 03:43	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 03:43	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 03:43	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 03:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 03:43*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 03:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*75 - 130*		*06/26/20 03:43*	*1*
4-Bromofluorobenzene (Surr)	*112*		*47 - 134*		*06/26/20 03:43*	*1*
Toluene-d8 (Surr)	*105*		*69 - 122*		*06/26/20 03:43*	*1*
Dibromofluoromethane (Surr)	*111*		*78 - 129*		*06/26/20 03:43*	*1*

Client Sample ID: MSA-SW43A-061520 Lab Sample ID: 240-131928-21

Date Collected: 06/15/20 11:02 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 04:08	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 04:08	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 04:08	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 04:08	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 04:08	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 04:08	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 04:08	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 04:08	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 04:08	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 04:08	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 04:08	1

Client Sample ID: MSA-SW43A-061520 **Lab Sample ID: 240-131928-21**
Date Collected: 06/15/20 11:02 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 04:08	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 04:08	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 04:08	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 04:08	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 04:08	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 04:08	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 04:08	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 04:08	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 04:08	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 04:08	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 04:08	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 04:08	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 04:08	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 04:08	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 04:08	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 04:08	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 04:08	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 04:08	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 04:08	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 04:08	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 04:08	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 04:08	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 04:08	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 04:08	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 04:08	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 04:08	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 04:08	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 04:08	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 04:08	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 04:08	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 04:08	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 04:08	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 04:08	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 04:08	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 04:08	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 04:08	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 04:08	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 04:08	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 04:08	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 04:08	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 04:08	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 04:08	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 04:08	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 04:08	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 04:08	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 04:08	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 04:08	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 04:08	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 04:08	1

Client Sample ID: MSA-SW43A-061520 Lab Sample ID: 240-131928-21

Date Collected: 06/15/20 11:02 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 04:08	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 04:08	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 04:08	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 04:08	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 04:08	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 04:08	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 04:08	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 04:08	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 04:08	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 04:08	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 04:08	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 04:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 04:08*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 04:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 130*		*06/26/20 04:08*	*1*
4-Bromofluorobenzene (Surr)	*112*		*47 - 134*		*06/26/20 04:08*	*1*
Toluene-d8 (Surr)	*106*		*69 - 122*		*06/26/20 04:08*	*1*
Dibromofluoromethane (Surr)	*110*		*78 - 129*		*06/26/20 04:08*	*1*

Client Sample ID: MSA-SW43B--061520 Lab Sample ID: 240-131928-22

Date Collected: 06/15/20 11:06 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 04:33	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 04:33	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 04:33	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 04:33	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 04:33	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 04:33	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 04:33	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 04:33	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 04:33	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 04:33	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 04:33	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 04:33	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 04:33	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 04:33	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 04:33	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 04:33	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 04:33	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 04:33	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 04:33	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 04:33	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 04:33	1

Client Sample ID: MSA-SW43B--061520 Lab Sample ID: 240-131928-22

Date Collected: 06/15/20 11:06 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 04:33	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 04:33	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 04:33	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 04:33	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 04:33	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 04:33	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 04:33	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 04:33	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 04:33	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 04:33	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 04:33	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 04:33	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 04:33	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 04:33	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 04:33	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 04:33	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 04:33	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 04:33	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 04:33	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 04:33	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 04:33	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 04:33	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 04:33	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 04:33	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 04:33	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 04:33	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 04:33	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 04:33	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 04:33	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 04:33	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 04:33	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 04:33	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 04:33	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 04:33	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 04:33	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 04:33	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 04:33	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 04:33	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 04:33	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 04:33	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 04:33	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 04:33	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 04:33	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 04:33	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 04:33	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 04:33	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 04:33	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 04:33	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 04:33	1

Client Sample ID: MSA-SW43B--061520 Lab Sample ID: 240-131928-22

Date Collected: 06/15/20 11:06 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 04:33	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 04:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 04:33*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 04:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 130*		*06/26/20 04:33*	*1*
4-Bromofluorobenzene (Surr)	*114*		*47 - 134*		*06/26/20 04:33*	*1*
Toluene-d8 (Surr)	*107*		*69 - 122*		*06/26/20 04:33*	*1*
Dibromofluoromethane (Surr)	*112*		*78 - 129*		*06/26/20 04:33*	*1*

Client Sample ID: MSA-SW43C-061520 Lab Sample ID: 240-131928-23

Date Collected: 06/15/20 11:09 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 04:58	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 04:58	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 04:58	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 04:58	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 04:58	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 04:58	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 04:58	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 04:58	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 04:58	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 04:58	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 04:58	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 04:58	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 04:58	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 04:58	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 04:58	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 04:58	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 04:58	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 04:58	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 04:58	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 04:58	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 04:58	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 04:58	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 04:58	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 04:58	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 04:58	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 04:58	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 04:58	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 04:58	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 04:58	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 04:58	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 04:58	1

Client Sample ID: MSA-SW43C-061520 Lab Sample ID: 240-131928-23

Date Collected: 06/15/20 11:09 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 04:58	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 04:58	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 04:58	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 04:58	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 04:58	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 04:58	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 04:58	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 04:58	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 04:58	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 04:58	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 04:58	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 04:58	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 04:58	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 04:58	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 04:58	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 04:58	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 04:58	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 04:58	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 04:58	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 04:58	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 04:58	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 04:58	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 04:58	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 04:58	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 04:58	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 04:58	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 04:58	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 04:58	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 04:58	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 04:58	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 04:58	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 04:58	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 04:58	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 04:58	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 04:58	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 04:58	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 04:58	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 04:58	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 04:58	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 04:58	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 04:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 04:58*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 04:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*75 - 130*		*06/26/20 04:58*	*1*
4-Bromofluorobenzene (Surr)	*113*		*47 - 134*		*06/26/20 04:58*	*1*
Toluene-d8 (Surr)	*107*		*69 - 122*		*06/26/20 04:58*	*1*

Client Sample ID: MSA-SW43C-061520 Lab Sample ID: 240-131928-23

Date Collected: 06/15/20 11:09 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*78 - 129*		*06/26/20 04:58*	*1*

Client Sample ID: MSA-SW43D-061520 Lab Sample ID: 240-131928-24

Date Collected: 06/15/20 11:12 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 05:23	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 05:23	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 05:23	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 05:23	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 05:23	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 05:23	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 05:23	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 05:23	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 05:23	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 05:23	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 05:23	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 05:23	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 05:23	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 05:23	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 05:23	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 05:23	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 05:23	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 05:23	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 05:23	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 05:23	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 05:23	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 05:23	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 05:23	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 05:23	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 05:23	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 05:23	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 05:23	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 05:23	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 05:23	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 05:23	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 05:23	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 05:23	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 05:23	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 05:23	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 05:23	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 05:23	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 05:23	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 05:23	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 05:23	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 05:23	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 05:23	1

Client Sample ID: MSA-SW43D-061520 Lab Sample ID: 240-131928-24

Date Collected: 06/15/20 11:12 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 05:23	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 05:23	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 05:23	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 05:23	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 05:23	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 05:23	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 05:23	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 05:23	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 05:23	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 05:23	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 05:23	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 05:23	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 05:23	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 05:23	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 05:23	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 05:23	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 05:23	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 05:23	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 05:23	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 05:23	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 05:23	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 05:23	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 05:23	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 05:23	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 05:23	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 05:23	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 05:23	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 05:23	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 05:23	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 05:23	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 05:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 05:23*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 05:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 130*		*06/26/20 05:23*	*1*
4-Bromofluorobenzene (Surr)	*110*		*47 - 134*		*06/26/20 05:23*	*1*
Toluene-d8 (Surr)	*104*		*69 - 122*		*06/26/20 05:23*	*1*
Dibromofluoromethane (Surr)	*110*		*78 - 129*		*06/26/20 05:23*	*1*

Client Sample ID: MSA-SW44A-061520 Lab Sample ID: 240-131928-25

Date Collected: 06/15/20 10:48 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 05:48	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 05:48	1

Client Sample ID: MSA-SW44A-061520 **Lab Sample ID: 240-131928-25**
Date Collected: 06/15/20 10:48 **Matrix: Water**
Date Received: 06/16/20 10:10

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	0.13	U	1.0	0.13	ug/L			06/26/20 05:48	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 05:48	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 05:48	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 05:48	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 05:48	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 05:48	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 05:48	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 05:48	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 05:48	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 05:48	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 05:48	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 05:48	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 05:48	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 05:48	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 05:48	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 05:48	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 05:48	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 05:48	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 05:48	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 05:48	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 05:48	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 05:48	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 05:48	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 05:48	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 05:48	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 05:48	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 05:48	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 05:48	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 05:48	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 05:48	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 05:48	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 05:48	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 05:48	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 05:48	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 05:48	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 05:48	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 05:48	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 05:48	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 05:48	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 05:48	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 05:48	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 05:48	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 05:48	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 05:48	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 05:48	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 05:48	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 05:48	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 05:48	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 05:48	1

Client Sample ID: MSA-SW44A-061520 Lab Sample ID: 240-131928-25

Date Collected: 06/15/20 10:48 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 05:48	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 05:48	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 05:48	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 05:48	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 05:48	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 05:48	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 05:48	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 05:48	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 05:48	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 05:48	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 05:48	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 05:48	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 05:48	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 05:48	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 05:48	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 05:48	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 05:48	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 05:48	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 05:48	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 05:48	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 05:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 05:48*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 05:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 130*		*06/26/20 05:48*	*1*
4-Bromofluorobenzene (Surr)	*113*		*47 - 134*		*06/26/20 05:48*	*1*
Toluene-d8 (Surr)	*106*		*69 - 122*		*06/26/20 05:48*	*1*
Dibromofluoromethane (Surr)	*110*		*78 - 129*		*06/26/20 05:48*	*1*

Client Sample ID: MSA-SW44B-061520 Lab Sample ID: 240-131928-26

Date Collected: 06/15/20 10:50 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 06:13	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 06:13	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 06:13	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 06:13	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 06:13	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 06:13	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 06:13	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 06:13	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 06:13	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 06:13	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 06:13	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 06:13	1

Client Sample ID: MSA-SW44B-061520 **Lab Sample ID: 240-131928-26**
Date Collected: 06/15/20 10:50 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 06:13	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 06:13	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 06:13	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 06:13	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 06:13	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 06:13	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 06:13	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 06:13	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 06:13	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 06:13	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 06:13	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 06:13	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 06:13	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 06:13	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 06:13	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 06:13	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 06:13	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 06:13	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 06:13	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 06:13	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 06:13	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 06:13	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 06:13	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 06:13	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 06:13	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 06:13	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 06:13	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 06:13	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 06:13	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 06:13	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 06:13	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 06:13	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 06:13	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 06:13	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 06:13	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 06:13	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 06:13	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 06:13	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 06:13	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 06:13	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 06:13	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 06:13	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 06:13	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 06:13	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 06:13	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 06:13	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 06:13	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 06:13	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 06:13	1

Client Sample ID: MSA-SW44B-061520 Lab Sample ID: 240-131928-26

Date Collected: 06/15/20 10:50 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 06:13	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 06:13	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 06:13	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 06:13	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 06:13	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 06:13	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 06:13	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 06:13	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 06:13	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 06:13	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 06:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 06:13*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 06:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 130*		*06/26/20 06:13*	*1*
4-Bromofluorobenzene (Surr)	*112*		*47 - 134*		*06/26/20 06:13*	*1*
Toluene-d8 (Surr)	*106*		*69 - 122*		*06/26/20 06:13*	*1*
Dibromofluoromethane (Surr)	*107*		*78 - 129*		*06/26/20 06:13*	*1*

Client Sample ID: MSA-SW44C-061520 Lab Sample ID: 240-131928-27

Date Collected: 06/15/20 10:53 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 06:38	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 06:38	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 06:38	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 06:38	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 06:38	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 06:38	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 06:38	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 06:38	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 06:38	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 06:38	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 06:38	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 06:38	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 06:38	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 06:38	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 06:38	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 06:38	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 06:38	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 06:38	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 06:38	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 06:38	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 06:38	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 06:38	1

Client Sample ID: MSA-SW44C-061520 Lab Sample ID: 240-131928-27

Date Collected: 06/15/20 10:53 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 06:38	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 06:38	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 06:38	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 06:38	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 06:38	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 06:38	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 06:38	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 06:38	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 06:38	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 06:38	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 06:38	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 06:38	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 06:38	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 06:38	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 06:38	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 06:38	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 06:38	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 06:38	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 06:38	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 06:38	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 06:38	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 06:38	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 06:38	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 06:38	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 06:38	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 06:38	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 06:38	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 06:38	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 06:38	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 06:38	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 06:38	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 06:38	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 06:38	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 06:38	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 06:38	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 06:38	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 06:38	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 06:38	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 06:38	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 06:38	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 06:38	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 06:38	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 06:38	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 06:38	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 06:38	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 06:38	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 06:38	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 06:38	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 06:38	1

Client Sample ID: MSA-SW44C-061520 Lab Sample ID: 240-131928-27

Date Collected: 06/15/20 10:53 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 06:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 06:38*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 06:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 130*		*06/26/20 06:38*	*1*
4-Bromofluorobenzene (Surr)	*110*		*47 - 134*		*06/26/20 06:38*	*1*
Toluene-d8 (Surr)	*106*		*69 - 122*		*06/26/20 06:38*	*1*
Dibromofluoromethane (Surr)	*108*		*78 - 129*		*06/26/20 06:38*	*1*

Client Sample ID: MSA-SW44D-061520 Lab Sample ID: 240-131928-28

Date Collected: 06/15/20 10:56 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 07:02	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 07:02	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 07:02	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 07:02	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 07:02	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 07:02	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 07:02	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 07:02	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 07:02	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 07:02	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 07:02	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 07:02	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 07:02	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 07:02	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 07:02	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 07:02	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 07:02	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 07:02	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 07:02	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 07:02	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 07:02	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 07:02	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 07:02	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 07:02	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 07:02	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 07:02	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 07:02	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 07:02	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 07:02	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 07:02	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 07:02	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 07:02	1

Client Sample ID: MSA-SW44D-061520 Lab Sample ID: 240-131928-28

Date Collected: 06/15/20 10:56 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 07:02	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 07:02	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 07:02	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 07:02	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 07:02	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 07:02	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 07:02	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 07:02	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 07:02	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 07:02	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 07:02	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 07:02	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 07:02	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 07:02	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 07:02	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 07:02	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 07:02	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 07:02	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 07:02	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 07:02	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 07:02	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 07:02	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 07:02	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 07:02	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 07:02	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 07:02	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 07:02	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 07:02	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 07:02	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 07:02	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 07:02	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 07:02	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 07:02	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 07:02	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 07:02	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 07:02	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 07:02	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 07:02	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 07:02	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 07:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 07:02*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 07:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 130*		*06/26/20 07:02*	*1*
4-Bromofluorobenzene (Surr)	*110*		*47 - 134*		*06/26/20 07:02*	*1*
Toluene-d8 (Surr)	*105*		*69 - 122*		*06/26/20 07:02*	*1*
Dibromofluoromethane (Surr)	*109*		*78 - 129*		*06/26/20 07:02*	*1*

Client Sample ID: TB--061520 Lab Sample ID: 240-131928-29

Date Collected: 06/15/20 00:00 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 07:26	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 07:26	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 07:26	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 07:26	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 07:26	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 07:26	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 07:26	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 07:26	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 07:26	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 07:26	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 07:26	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 07:26	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 07:26	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 07:26	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 07:26	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 07:26	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 07:26	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 07:26	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 07:26	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 07:26	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 07:26	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 07:26	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 07:26	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 07:26	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 07:26	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 07:26	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 07:26	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 07:26	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 07:26	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 07:26	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 07:26	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 07:26	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 07:26	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 07:26	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 07:26	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 07:26	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 07:26	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 07:26	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 07:26	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 07:26	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 07:26	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 07:26	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 07:26	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 07:26	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 07:26	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 07:26	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 07:26	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 07:26	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 07:26	1

Client Sample ID: TB--061520 Lab Sample ID: 240-131928-29

Date Collected: 06/15/20 00:00 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 07:26	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 07:26	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 07:26	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 07:26	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 07:26	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 07:26	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 07:26	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 07:26	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 07:26	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 07:26	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 07:26	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 07:26	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 07:26	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 07:26	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 07:26	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 07:26	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 07:26	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 07:26	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 07:26	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 07:26	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 07:26	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 07:26	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 07:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 07:26*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 07:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*75 - 130*		*06/26/20 07:26*	*1*
4-Bromofluorobenzene (Surr)	*110*		*47 - 134*		*06/26/20 07:26*	*1*
Toluene-d8 (Surr)	*105*		*69 - 122*		*06/26/20 07:26*	*1*
Dibromofluoromethane (Surr)	*112*		*78 - 129*		*06/26/20 07:26*	*1*

Client Sample ID: MSA-SW46A-061520 Lab Sample ID: 240-131928-30

Date Collected: 06/15/20 12:02 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 07:51	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 07:51	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 07:51	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 07:51	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 07:51	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 07:51	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 07:51	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 07:51	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 07:51	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 07:51	1

Client Sample ID: MSA-SW46A-061520 **Lab Sample ID: 240-131928-30**
Date Collected: 06/15/20 12:02 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 07:51	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 07:51	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 07:51	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 07:51	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 07:51	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 07:51	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 07:51	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 07:51	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 07:51	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 07:51	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 07:51	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 07:51	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 07:51	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 07:51	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 07:51	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 07:51	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 07:51	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 07:51	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 07:51	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 07:51	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 07:51	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 07:51	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 07:51	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 07:51	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 07:51	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 07:51	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 07:51	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 07:51	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 07:51	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 07:51	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 07:51	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 07:51	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 07:51	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 07:51	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 07:51	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 07:51	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 07:51	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 07:51	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 07:51	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 07:51	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 07:51	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 07:51	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 07:51	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 07:51	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 07:51	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 07:51	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 07:51	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 07:51	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 07:51	1

Client Sample ID: MSA-SW46A-061520 Lab Sample ID: 240-131928-30

Date Collected: 06/15/20 12:02 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 07:51	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 07:51	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 07:51	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 07:51	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 07:51	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 07:51	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 07:51	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 07:51	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 07:51	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 07:51	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 07:51	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 07:51	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 07:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 07:51*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 07:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*75 - 130*		*06/26/20 07:51*	*1*
4-Bromofluorobenzene (Surr)	*113*		*47 - 134*		*06/26/20 07:51*	*1*
Toluene-d8 (Surr)	*107*		*69 - 122*		*06/26/20 07:51*	*1*
Dibromofluoromethane (Surr)	*112*		*78 - 129*		*06/26/20 07:51*	*1*

Client Sample ID: MSA-SW47A-061520 Lab Sample ID: 240-131928-31

Date Collected: 06/15/20 11:47 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 08:16	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 08:16	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 08:16	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 08:16	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 08:16	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 08:16	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 08:16	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 08:16	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 08:16	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 08:16	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 08:16	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 08:16	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 08:16	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 08:16	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 08:16	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 08:16	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 08:16	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 08:16	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 08:16	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 08:16	1

Client Sample ID: MSA-SW47A-061520 **Lab Sample ID: 240-131928-31**
Date Collected: 06/15/20 11:47 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 08:16	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 08:16	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 08:16	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 08:16	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 08:16	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 08:16	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 08:16	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 08:16	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 08:16	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 08:16	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 08:16	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 08:16	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 08:16	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 08:16	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 08:16	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 08:16	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 08:16	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 08:16	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 08:16	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 08:16	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 08:16	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 08:16	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 08:16	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 08:16	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 08:16	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 08:16	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 08:16	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 08:16	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 08:16	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 08:16	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 08:16	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 08:16	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 08:16	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 08:16	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 08:16	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 08:16	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 08:16	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 08:16	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 08:16	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 08:16	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 08:16	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 08:16	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 08:16	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 08:16	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 08:16	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 08:16	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 08:16	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 08:16	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 08:16	1

Client Sample ID: MSA-SW47A-061520 Lab Sample ID: 240-131928-31

Date Collected: 06/15/20 11:47 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 08:16	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 08:16	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 08:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 08:16*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 08:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*75 - 130*		*06/26/20 08:16*	*1*
4-Bromofluorobenzene (Surr)	*111*		*47 - 134*		*06/26/20 08:16*	*1*
Toluene-d8 (Surr)	*106*		*69 - 122*		*06/26/20 08:16*	*1*
Dibromofluoromethane (Surr)	*112*		*78 - 129*		*06/26/20 08:16*	*1*

Client Sample ID: MSA-SW48A-061520 Lab Sample ID: 240-131928-32

Date Collected: 06/15/20 11:33 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 08:41	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 08:41	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 08:41	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 08:41	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 08:41	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 08:41	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 08:41	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 08:41	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 08:41	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 08:41	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 08:41	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 08:41	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 08:41	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 08:41	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 08:41	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 08:41	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 08:41	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 08:41	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 08:41	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 08:41	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 08:41	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 08:41	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 08:41	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 08:41	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 08:41	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 08:41	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 08:41	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 08:41	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 08:41	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 08:41	1

Client Sample ID: MSA-SW48A-061520 Lab Sample ID: 240-131928-32

Date Collected: 06/15/20 11:33 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 08:41	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 08:41	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 08:41	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 08:41	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 08:41	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 08:41	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 08:41	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 08:41	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 08:41	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 08:41	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 08:41	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 08:41	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 08:41	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 08:41	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 08:41	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 08:41	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 08:41	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 08:41	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 08:41	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 08:41	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 08:41	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 08:41	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 08:41	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 08:41	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 08:41	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 08:41	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 08:41	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 08:41	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 08:41	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 08:41	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 08:41	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 08:41	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 08:41	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 08:41	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 08:41	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 08:41	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 08:41	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 08:41	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 08:41	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 08:41	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 08:41	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 08:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 08:41*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 08:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 130*		*06/26/20 08:41*	*1*
4-Bromofluorobenzene (Surr)	*110*		*47 - 134*		*06/26/20 08:41*	*1*

Client Sample ID: MSA-SW48A-061520 Lab Sample ID: 240-131928-32

Date Collected: 06/15/20 11:33 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*69 - 122*		*06/26/20 08:41*	*1*
Dibromofluoromethane (Surr)	*109*		*78 - 129*		*06/26/20 08:41*	*1*

Client Sample ID: MSA-SW49A--061520 Lab Sample ID: 240-131928-33

Date Collected: 06/15/20 11:15 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 09:05	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 09:05	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 09:05	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 09:05	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 09:05	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 09:05	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 09:05	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 09:05	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 09:05	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 09:05	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 09:05	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 09:05	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 09:05	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 09:05	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 09:05	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 09:05	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 09:05	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 09:05	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 09:05	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 09:05	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 09:05	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 09:05	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 09:05	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 09:05	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 09:05	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 09:05	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 09:05	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 09:05	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 09:05	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 09:05	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 09:05	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 09:05	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 09:05	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 09:05	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 09:05	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 09:05	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 09:05	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 09:05	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 09:05	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 09:05	1

Client Sample ID: MSA-SW49A--061520 Lab Sample ID: 240-131928-33

Date Collected: 06/15/20 11:15 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 09:05	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 09:05	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 09:05	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 09:05	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 09:05	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 09:05	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 09:05	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 09:05	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 09:05	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 09:05	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 09:05	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 09:05	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 09:05	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 09:05	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 09:05	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 09:05	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 09:05	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 09:05	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 09:05	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 09:05	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 09:05	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 09:05	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 09:05	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 09:05	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 09:05	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 09:05	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 09:05	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 09:05	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 09:05	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 09:05	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 09:05	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 09:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 09:05*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 09:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*75 - 130*		*06/26/20 09:05*	*1*
4-Bromofluorobenzene (Surr)	*109*		*47 - 134*		*06/26/20 09:05*	*1*
Toluene-d8 (Surr)	*106*		*69 - 122*		*06/26/20 09:05*	*1*
Dibromofluoromethane (Surr)	*109*		*78 - 129*		*06/26/20 09:05*	*1*

Client Sample ID: EL-SW01A-061520 Lab Sample ID: 240-131928-34

Date Collected: 06/15/20 10:28 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 09:30	1

Client Sample ID: EL-SW01A-061520
Lab Sample ID: 240-131928-34

Date Collected: 06/15/20 10:28
Matrix: Water

Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 09:30	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 09:30	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 09:30	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 09:30	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 09:30	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 09:30	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 09:30	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 09:30	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 09:30	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 09:30	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 09:30	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 09:30	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 09:30	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 09:30	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 09:30	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 09:30	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 09:30	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 09:30	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 09:30	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 09:30	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 09:30	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 09:30	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 09:30	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 09:30	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 09:30	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 09:30	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 09:30	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 09:30	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 09:30	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 09:30	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 09:30	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 09:30	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 09:30	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 09:30	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 09:30	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 09:30	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 09:30	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 09:30	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 09:30	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 09:30	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 09:30	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 09:30	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 09:30	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 09:30	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 09:30	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 09:30	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 09:30	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 09:30	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 09:30	1

Client Sample ID: EL-SW01A-061520 Lab Sample ID: 240-131928-34

Date Collected: 06/15/20 10:28 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 09:30	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 09:30	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 09:30	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 09:30	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 09:30	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 09:30	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 09:30	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 09:30	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 09:30	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 09:30	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 09:30	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 09:30	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 09:30	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 09:30	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 09:30	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 09:30	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 09:30	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 09:30	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 09:30	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 09:30	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 09:30	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 09:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 09:30*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 09:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 130*		*06/26/20 09:30*	*1*
4-Bromofluorobenzene (Surr)	*110*		*47 - 134*		*06/26/20 09:30*	*1*
Toluene-d8 (Surr)	*106*		*69 - 122*		*06/26/20 09:30*	*1*
Dibromofluoromethane (Surr)	*108*		*78 - 129*		*06/26/20 09:30*	*1*

Client Sample ID: EL-SW01B-061520 Lab Sample ID: 240-131928-35

Date Collected: 06/15/20 10:31 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 09:55	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 09:55	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 09:55	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 09:55	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 09:55	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 09:55	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 09:55	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 09:55	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 09:55	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 09:55	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 09:55	1

Client Sample ID: EL-SW01B-061520 Lab Sample ID: 240-131928-35

Date Collected: 06/15/20 10:31 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 09:55	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 09:55	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 09:55	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 09:55	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 09:55	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 09:55	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 09:55	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 09:55	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 09:55	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 09:55	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 09:55	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 09:55	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 09:55	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 09:55	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 09:55	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 09:55	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 09:55	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 09:55	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 09:55	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 09:55	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 09:55	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 09:55	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 09:55	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 09:55	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 09:55	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 09:55	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 09:55	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 09:55	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 09:55	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 09:55	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 09:55	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 09:55	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 09:55	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 09:55	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 09:55	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 09:55	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 09:55	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 09:55	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 09:55	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 09:55	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 09:55	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 09:55	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 09:55	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 09:55	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 09:55	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 09:55	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 09:55	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 09:55	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 09:55	1

Client Sample ID: EL-SW01B-061520 Lab Sample ID: 240-131928-35

Date Collected: 06/15/20 10:31 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 09:55	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 09:55	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 09:55	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 09:55	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 09:55	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 09:55	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 09:55	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 09:55	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 09:55	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 09:55	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 09:55	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 09:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 09:55*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 09:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 130*		*06/26/20 09:55*	*1*
4-Bromofluorobenzene (Surr)	*111*		*47 - 134*		*06/26/20 09:55*	*1*
Toluene-d8 (Surr)	*107*		*69 - 122*		*06/26/20 09:55*	*1*
Dibromofluoromethane (Surr)	*110*		*78 - 129*		*06/26/20 09:55*	*1*

Client Sample ID: EL-SW01C-061520 Lab Sample ID: 240-131928-36

Date Collected: 06/15/20 10:34 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 10:19	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 10:19	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 10:19	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 10:19	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 10:19	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 10:19	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 10:19	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 10:19	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 10:19	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 10:19	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 10:19	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 10:19	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 10:19	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 10:19	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 10:19	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 10:19	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 10:19	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 10:19	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 10:19	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 10:19	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 10:19	1

Client Sample ID: EL-SW01C-061520
Lab Sample ID: 240-131928-36

Date Collected: 06/15/20 10:34
Matrix: Water
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 10:19	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 10:19	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 10:19	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 10:19	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 10:19	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 10:19	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 10:19	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 10:19	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 10:19	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 10:19	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 10:19	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 10:19	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 10:19	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 10:19	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 10:19	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 10:19	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 10:19	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 10:19	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 10:19	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 10:19	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 10:19	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 10:19	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 10:19	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 10:19	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 10:19	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 10:19	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 10:19	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 10:19	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 10:19	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 10:19	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 10:19	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 10:19	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 10:19	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 10:19	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 10:19	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 10:19	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 10:19	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 10:19	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 10:19	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 10:19	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 10:19	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 10:19	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 10:19	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 10:19	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 10:19	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 10:19	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 10:19	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 10:19	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 10:19	1

Client Sample ID: EL-SW01C-061520 Lab Sample ID: 240-131928-36

Date Collected: 06/15/20 10:34 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 10:19	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 10:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 10:19*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 10:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*75 - 130*		*06/26/20 10:19*	*1*
4-Bromofluorobenzene (Surr)	*110*		*47 - 134*		*06/26/20 10:19*	*1*
Toluene-d8 (Surr)	*105*		*69 - 122*		*06/26/20 10:19*	*1*
Dibromofluoromethane (Surr)	*111*		*78 - 129*		*06/26/20 10:19*	*1*

Client Sample ID: EL-SW01D-061520 Lab Sample ID: 240-131928-37

Date Collected: 06/15/20 10:36 **Matrix: Water**
Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 10:44	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 10:44	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 10:44	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 10:44	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 10:44	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 10:44	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 10:44	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 10:44	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 10:44	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 10:44	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 10:44	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 10:44	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 10:44	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 10:44	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 10:44	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 10:44	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 10:44	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 10:44	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 10:44	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 10:44	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 10:44	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 10:44	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 10:44	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 10:44	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 10:44	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 10:44	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 10:44	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 10:44	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 10:44	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 10:44	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 10:44	1

Client Sample ID: EL-SW01D-061520
Lab Sample ID: 240-131928-37

Date Collected: 06/15/20 10:36
Matrix: Water

Date Received: 06/16/20 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 10:44	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 10:44	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 10:44	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 10:44	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 10:44	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 10:44	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 10:44	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 10:44	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 10:44	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 10:44	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 10:44	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 10:44	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 10:44	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 10:44	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 10:44	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 10:44	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 10:44	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 10:44	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 10:44	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 10:44	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 10:44	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 10:44	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 10:44	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 10:44	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 10:44	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 10:44	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 10:44	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 10:44	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 10:44	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 10:44	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 10:44	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 10:44	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 10:44	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 10:44	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 10:44	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 10:44	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 10:44	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 10:44	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 10:44	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 10:44	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 10:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 10:44*	*1*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*06/26/20 10:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 130*		*06/26/20 10:44*	*1*
4-Bromofluorobenzene (Surr)	*110*		*47 - 134*		*06/26/20 10:44*	*1*
Toluene-d8 (Surr)	*105*		*69 - 122*		*06/26/20 10:44*	*1*

Client: Tetra Tech, Inc.
Job ID: 240-131928-1
Project/Site: MSA Surface Water

Client Sample ID: EL-SW01D-061520
Lab Sample ID: 240-131928-37
Date Collected: 06/15/20 10:36
Matrix: Water
Date Received: 06/16/20 10:10

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*108*		*78 - 129*		*06/26/20 10:44*	*1*

Default Detection Limits

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-131928-1

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

Analyte	RL	MDL	Units
1,1,1,2-Tetrachloroethane	1.0	0.14	ug/L
1,1,1-Trichloroethane	1.0	0.24	ug/L
1,1,2,2-Tetrachloroethane	1.0	0.13	ug/L
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	0.41	ug/L
1,1-Dichloroethane	1.0	0.17	ug/L
1,1-Dichloroethene	1.0	0.19	ug/L
1,1-Dichloropropene	1.0	0.14	ug/L
1,2,3-Trichlorobenzene	1.0	0.54	ug/L
1,2,3-Trichloropropane	1.0	0.24	ug/L
1,2,3-Trimethylbenzene	5.0	0.14	ug/L
1,2,4-Trichlorobenzene	1.0	0.26	ug/L
1,2,4-Trimethylbenzene	1.0	0.070	ug/L
1,2-Dibromo-3-Chloropropane	5.0	0.91	ug/L
1,2-Dibromoethane	1.0	0.12	ug/L
1,2-Dichlorobenzene	1.0	0.15	ug/L
1,2-Dichloroethane	1.0	0.21	ug/L
1,2-Dichloropropane	1.0	0.15	ug/L
1,3-Dichlorobenzene	1.0	0.15	ug/L
1,3-Dichloropropane	1.0	0.21	ug/L
1,4-Dichlorobenzene	1.0	0.16	ug/L
2,2-Dichloropropane	1.0	0.31	ug/L
2-Butanone	5.0	1.2	ug/L
2-Chloroethyl vinyl ether	10	0.26	ug/L
2-Chlorotoluene	1.0	0.15	ug/L
2-Hexanone	5.0	0.54	ug/L
4-Chlorotoluene	1.0	0.090	ug/L
4-Methyl-2-pentanone	5.0	0.42	ug/L
Acetone	5.0	5.4	ug/L
Benzene	1.0	0.13	ug/L
Bromobenzene	1.0	0.12	ug/L
Bromochloromethane	1.0	0.14	ug/L
Bromodichloromethane	1.0	0.17	ug/L
Bromoform	1.0	0.76	ug/L
Bromomethane	1.0	0.42	ug/L
Carbon disulfide	1.0	0.28	ug/L
Carbon tetrachloride	1.0	0.26	ug/L
Chlorobenzene	1.0	0.14	ug/L
Chloroethane	1.0	0.83	ug/L
Chloroform	1.0	0.13	ug/L
Chloromethane	1.0	0.20	ug/L
cis-1,2-Dichloroethene	1.0	0.16	ug/L
cis-1,3-Dichloropropene	1.0	0.61	ug/L
Dibromochloromethane	1.0	0.39	ug/L
Dibromomethane	1.0	0.090	ug/L
Dichlorodifluoromethane	1.0	0.35	ug/L
Diisopropyl ether	5.0	0.17	ug/L
Ethylbenzene	1.0	0.11	ug/L
Ethyl-t-butyl ether (ETBE)	5.0	0.15	ug/L
Hexachlorobutadiene	1.0	0.83	ug/L
Isopropylbenzene	1.0	0.090	ug/L
Methyl tert-butyl ether	1.0	0.070	ug/L
Methylene Chloride	5.0	2.6	ug/L
m-Xylene & p-Xylene	2.0	0.080	ug/L

Default Detection Limits

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-131928-1

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

Analyte	RL	MDL	Units
Naphthalene	1.0	0.32	ug/L
n-Butylbenzene	1.0	0.14	ug/L
n-Propylbenzene	1.0	0.15	ug/L
o-Xylene	1.0	0.090	ug/L
p-Isopropyltoluene	1.0	0.13	ug/L
sec-Butylbenzene	1.0	0.13	ug/L
Styrene	1.0	0.10	ug/L
Tert-amyl-methyl ether (TAME)	5.0	0.11	ug/L
tert-Butyl alcohol	20	1.7	ug/L
tert-Butylbenzene	1.0	0.14	ug/L
Tetrachloroethene	1.0	0.15	ug/L
Toluene	1.0	0.14	ug/L
trans-1,2-Dichloroethene	1.0	0.19	ug/L
trans-1,3-Dichloropropene	1.0	0.67	ug/L
Trichloroethene	1.0	0.10	ug/L
Trichlorofluoromethane	1.0	0.45	ug/L
Vinyl acetate	2.0	0.19	ug/L
Vinyl chloride	0.50	0.20	ug/L
Xylenes, Total	2.0	0.15	ug/L

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-131928-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(75-130)	(47-134)	(69-122)	(78-129)
240-131928-1	MSA-SW37A-061520	95	93	103	101
240-131928-2	MSA-SW37B-061520	94	92	101	99
240-131928-3	MSA-SW37C-061520	95	92	104	100
240-131928-4	MSA-SW37D-061520	96	95	104	100
240-131928-5	MSA-SW38A-061520	93	92	101	100
240-131928-6	MSA-SW38B-061520	97	96	104	103
240-131928-7	MSA-SW38C-061520	94	91	100	100
240-131928-8	MSA-SW38D-061520	94	91	102	99
240-131928-9	MSA-SW40A-061520	95	93	101	102
240-131928-10	MSA-SW40B-061520	98	98	104	101
240-131928-11	MSA-SW40C-061520	94	91	103	99
240-131928-12	MSA-SW40D-061520	103	86	92	90
240-131928-13	MSA-SW41A-061520	110	96	99	99
240-131928-14	MSA-SW41B-061520	106	88	93	92
240-131928-15	MSA-SW41C-061520	110	90	95	95
240-131928-16	MSA-SW41D-061520	110	96	98	93
240-131928-17	MSA-SW42A-061520	92	92	101	95
240-131928-18	MSA-SW42B-061520	118	116	109	113
240-131928-19	MSA-SW42C-061520	115	114	107	112
240-131928-20	MSA-SW42D-061520	116	112	105	111
240-131928-21	MSA-SW43A-061520	115	112	106	110
240-131928-22	MSA-SW43B--061520	115	114	107	112
240-131928-23	MSA-SW43C-061520	116	113	107	112
240-131928-24	MSA-SW43D-061520	111	110	104	110
240-131928-25	MSA-SW44A-061520	115	113	106	110
240-131928-26	MSA-SW44B-061520	115	112	106	107
240-131928-27	MSA-SW44C-061520	114	110	106	108
240-131928-28	MSA-SW44D-061520	114	110	105	109
240-131928-29	TB--061520	116	110	105	112
240-131928-30	MSA-SW46A-061520	116	113	107	112
240-131928-31	MSA-SW47A-061520	116	111	106	112
240-131928-32	MSA-SW48A-061520	115	110	105	109
240-131928-33	MSA-SW49A--061520	116	109	106	109
240-131928-34	EL-SW01A-061520	113	110	106	108
240-131928-35	EL-SW01B-061520	114	111	107	110
240-131928-36	EL-SW01C-061520	116	110	105	111
240-131928-37	EL-SW01D-061520	114	110	105	108
LCS 240-440070/5	Lab Control Sample	108	113	108	105
LCS 240-440074/5	Lab Control Sample	106	91	97	96
LCS 240-440080/5	Lab Control Sample	90	105	108	94
LCS 240-440294/5	Lab Control Sample	87	102	107	92
MB 240-440070/8	Method Blank	114	112	106	109
MB 240-440074/8	Method Blank	107	92	96	96
MB 240-440080/8	Method Blank	94	96	102	98
MB 240-440294/8	Method Blank	94	94	103	99

Surrogate Legend

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

Surrogate Summary

Client: Tetra Tech, Inc.
Job ID: 240-131928-1
Project/Site: MSA Surface Water

DBFM = Dibromofluoromethane (Surr)

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

Lab Sample ID: MB 240-440070/8
Matrix: Water
Analysis Batch: 440070

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 02:29	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 02:29	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 02:29	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 02:29	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 02:29	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 02:29	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 02:29	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 02:29	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 02:29	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 02:29	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 02:29	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 02:29	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 02:29	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:29	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 02:29	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 02:29	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:29	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 02:29	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 02:29	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 02:29	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 02:29	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 02:29	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 02:29	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 02:29	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 02:29	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 02:29	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 02:29	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 02:29	1
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 02:29	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 02:29	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 02:29	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 02:29	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 02:29	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:29	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 02:29	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 02:29	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 02:29	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 02:29	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 02:29	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 02:29	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 02:29	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 02:29	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 02:29	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 02:29	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 02:29	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 02:29	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 02:29	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 02:29	1

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

Lab Sample ID: MB 240-440070/8
Matrix: Water
Analysis Batch: 440070

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:29	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 02:29	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 02:29	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 02:29	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 02:29	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 02:29	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 02:29	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 02:29	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 02:29	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 02:29	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 02:29	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 02:29	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 02:29	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 02:29	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 02:29	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 02:29	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 02:29	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 02:29	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 02:29	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 02:29	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 02:29	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 02:29	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 02:29	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 02:29	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*8.34*	*T J*	*ug/L*		*1.54*			*06/26/20 02:29*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 130*		*06/26/20 02:29*	*1*
4-Bromofluorobenzene (Surr)	*112*		*47 - 134*		*06/26/20 02:29*	*1*
Toluene-d8 (Surr)	*106*		*69 - 122*		*06/26/20 02:29*	*1*
Dibromofluoromethane (Surr)	*109*		*78 - 129*		*06/26/20 02:29*	*1*

Lab Sample ID: LCS 240-440070/5
Matrix: Water
Analysis Batch: 440070

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	17.2		ug/L		86	77 - 120
1,1,1-Trichloroethane	20.0	16.9		ug/L		84	65 - 141
1,1,2,2-Tetrachloroethane	20.0	16.0		ug/L		80	45 - 151
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	15.2		ug/L		76	54 - 148
1,1-Dichloroethane	20.0	16.8		ug/L		84	74 - 126
1,1-Dichloroethene	20.0	17.5		ug/L		88	73 - 129
1,1-Dichloropropene	20.0	16.8		ug/L		84	78 - 120
1,2,3-Trichlorobenzene	20.0	16.2		ug/L		81	42 - 126

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

Lab Sample ID: LCS 240-440070/5
Matrix: Water
Analysis Batch: 440070

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	20.0	17.6		ug/L		88	57 - 137
1,2,4-Trichlorobenzene	20.0	15.8		ug/L		79	47 - 120
1,2,4-Trimethylbenzene	20.0	16.9		ug/L		84	66 - 129
1,2-Dibromo-3-Chloropropane	20.0	16.5		ug/L		83	34 - 136
1,2-Dichlorobenzene	20.0	15.8		ug/L		79	74 - 120
1,2-Dichloroethane	20.0	16.7		ug/L		83	66 - 129
1,2-Dichloropropane	20.0	17.3		ug/L		87	79 - 127
1,3-Dichlorobenzene	20.0	16.2		ug/L		81	74 - 120
1,3-Dichloropropane	20.0	17.0		ug/L		85	74 - 122
1,4-Dichlorobenzene	20.0	16.6		ug/L		83	75 - 120
2,2-Dichloropropane	20.0	15.1		ug/L		76	67 - 137
2-Chloroethyl vinyl ether	20.0	16.9		ug/L		84	29 - 146
2-Chlorotoluene	20.0	16.1		ug/L		81	73 - 126
2-Hexanone	40.0	35.0		ug/L		88	43 - 142
Bromobenzene	20.0	16.6		ug/L		83	77 - 120
Bromochloromethane	20.0	15.6		ug/L		78	70 - 128
4-Chlorotoluene	20.0	16.6		ug/L		83	73 - 126
p-Isopropyltoluene	20.0	16.7		ug/L		84	66 - 127
Acetone	40.0	32.4		ug/L		81	33 - 155
Benzene	20.0	16.8		ug/L		84	77 - 123
Bromoform	20.0	16.7		ug/L		83	47 - 133
Bromomethane	20.0	13.4		ug/L		67	48 - 144
Carbon disulfide	20.0	17.5		ug/L		88	67 - 127
Carbon tetrachloride	20.0	17.2		ug/L		86	61 - 142
Chlorobenzene	20.0	16.6		ug/L		83	80 - 120
Chloroethane	20.0	19.7		ug/L		99	41 - 147
Chloroform	20.0	16.1		ug/L		81	74 - 127
Chloromethane	20.0	19.5		ug/L		98	46 - 148
cis-1,2-Dichloroethene	20.0	17.0		ug/L		85	75 - 124
cis-1,3-Dichloropropene	20.0	16.7		ug/L		84	68 - 128
Hexachlorobutadiene	20.0	16.4		ug/L		82	40 - 120
Dibromomethane	20.0	16.8		ug/L		84	67 - 121
Bromodichloromethane	20.0	16.8		ug/L		84	73 - 122
Dichlorodifluoromethane	20.0	17.4		ug/L		87	35 - 137
Ethylbenzene	20.0	16.8		ug/L		84	80 - 120
1,2-Dibromoethane	20.0	17.2		ug/L		86	73 - 120
Naphthalene	20.0	15.8		ug/L		79	28 - 130
m-Xylene & p-Xylene	20.0	16.8		ug/L		84	79 - 121
n-Butylbenzene	20.0	16.4		ug/L		82	54 - 129
Isopropylbenzene	20.0	17.1		ug/L		85	73 - 123
n-Propylbenzene	20.0	16.3		ug/L		82	67 - 130
2-Butanone	40.0	32.7		ug/L		82	41 - 151
4-Methyl-2-pentanone	40.0	34.6		ug/L		87	43 - 145
sec-Butylbenzene	20.0	16.6		ug/L		83	60 - 131
Methyl tert-butyl ether	20.0	17.4		ug/L		87	57 - 127
Methylene Chloride	20.0	16.7		ug/L		84	63 - 134
o-Xylene	20.0	16.8		ug/L		84	75 - 123
Styrene	20.0	17.0		ug/L		85	75 - 121
tert-Butylbenzene	20.0	16.7		ug/L		83	63 - 126

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

Lab Sample ID: LCS 240-440070/5
Matrix: Water
Analysis Batch: 440070

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	20.0	17.1		ug/L		85	70 - 125
Toluene	20.0	16.7		ug/L		84	79 - 122
trans-1,2-Dichloroethene	20.0	17.2		ug/L		86	74 - 130
trans-1,3-Dichloropropene	20.0	15.9		ug/L		80	64 - 120
Trichloroethene	20.0	17.4		ug/L		87	71 - 121
Trichlorofluoromethane	20.0	19.8		ug/L		99	52 - 148
Vinyl acetate	20.0	15.1		ug/L		76	44 - 160
Vinyl chloride	20.0	19.7		ug/L		98	61 - 134
tert-Butyl alcohol	200	173		ug/L		87	15 - 169
Xylenes, Total	40.0	33.6		ug/L		84	78 - 122
Dibromochloromethane	20.0	16.9		ug/L		85	75 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 130*
4-Bromofluorobenzene (Surr)	*113*		*47 - 134*
Toluene-d8 (Surr)	*108*		*69 - 122*
Dibromofluoromethane (Surr)	*105*		*78 - 129*

Lab Sample ID: MB 240-440074/8
Matrix: Water
Analysis Batch: 440074

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/25/20 18:06	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/25/20 18:06	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/25/20 18:06	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/25/20 18:06	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/25/20 18:06	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/25/20 18:06	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/25/20 18:06	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/25/20 18:06	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/25/20 18:06	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/25/20 18:06	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/25/20 18:06	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/25/20 18:06	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/25/20 18:06	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/25/20 18:06	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/25/20 18:06	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/25/20 18:06	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/25/20 18:06	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/25/20 18:06	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/25/20 18:06	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/25/20 18:06	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/25/20 18:06	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/25/20 18:06	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/25/20 18:06	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/25/20 18:06	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/25/20 18:06	1

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

Lab Sample ID: MB 240-440074/8
Matrix: Water
Analysis Batch: 440074

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/25/20 18:06	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/25/20 18:06	1
Acetone	5.4	U	5.0	5.4	ug/L			06/25/20 18:06	1
Benzene	0.13	U	1.0	0.13	ug/L			06/25/20 18:06	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/25/20 18:06	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/25/20 18:06	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/25/20 18:06	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/25/20 18:06	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/25/20 18:06	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/25/20 18:06	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/25/20 18:06	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/25/20 18:06	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/25/20 18:06	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/25/20 18:06	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/25/20 18:06	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/25/20 18:06	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/25/20 18:06	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/25/20 18:06	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/25/20 18:06	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/25/20 18:06	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/25/20 18:06	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/25/20 18:06	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/25/20 18:06	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/25/20 18:06	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/25/20 18:06	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/25/20 18:06	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/25/20 18:06	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/25/20 18:06	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/25/20 18:06	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/25/20 18:06	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/25/20 18:06	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/25/20 18:06	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/25/20 18:06	1
Styrene	0.10	U	1.0	0.10	ug/L			06/25/20 18:06	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/25/20 18:06	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/25/20 18:06	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/25/20 18:06	1
Toluene	0.14	U	1.0	0.14	ug/L			06/25/20 18:06	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/25/20 18:06	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/25/20 18:06	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/25/20 18:06	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/25/20 18:06	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/25/20 18:06	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/25/20 18:06	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/25/20 18:06	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/25/20 18:06	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/25/20 18:06	1

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

Lab Sample ID: MB 240-440074/8
Matrix: Water
Analysis Batch: 440074

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

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					06/25/20 18:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 130		06/25/20 18:06	1
4-Bromofluorobenzene (Surr)	92		47 - 134		06/25/20 18:06	1
Toluene-d8 (Surr)	96		69 - 122		06/25/20 18:06	1
Dibromofluoromethane (Surr)	96		78 - 129		06/25/20 18:06	1

Lab Sample ID: LCS 240-440074/5
Matrix: Water
Analysis Batch: 440074

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	18.5		ug/L		92	77 - 120
1,1,1-Trichloroethane	20.0	20.0		ug/L		100	65 - 141
1,1,2,2-Tetrachloroethane	20.0	20.6		ug/L		103	45 - 151
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	19.7		ug/L		99	54 - 148
1,1-Dichloroethane	20.0	20.1		ug/L		101	74 - 126
1,1-Dichloroethene	20.0	21.0		ug/L		105	73 - 129
1,1-Dichloropropene	20.0	19.5		ug/L		97	78 - 120
1,2,3-Trichlorobenzene	20.0	18.1		ug/L		90	42 - 126
1,2,3-Trichloropropane	20.0	19.4		ug/L		97	57 - 137
1,2,4-Trichlorobenzene	20.0	17.4		ug/L		87	47 - 120
1,2,4-Trimethylbenzene	20.0	19.1		ug/L		95	66 - 129
1,2-Dibromo-3-Chloropropane	20.0	18.0		ug/L		90	34 - 136
1,2-Dichlorobenzene	20.0	18.1		ug/L		90	74 - 120
1,2-Dichloroethane	20.0	20.6		ug/L		103	66 - 129
1,2-Dichloropropane	20.0	21.0		ug/L		105	79 - 127
1,3-Dichlorobenzene	20.0	17.8		ug/L		89	74 - 120
1,3-Dichloropropane	20.0	19.6		ug/L		98	74 - 122
1,4-Dichlorobenzene	20.0	17.6		ug/L		88	75 - 120
2,2-Dichloropropane	20.0	20.6		ug/L		103	67 - 137
2-Chloroethyl vinyl ether	20.0	21.2		ug/L		106	29 - 146
2-Chlorotoluene	20.0	18.8		ug/L		94	73 - 126
2-Hexanone	40.0	41.7		ug/L		104	43 - 142
Bromobenzene	20.0	18.5		ug/L		92	77 - 120
Bromochloromethane	20.0	20.5		ug/L		102	70 - 128
4-Chlorotoluene	20.0	18.9		ug/L		94	73 - 126
p-Isopropyltoluene	20.0	18.9		ug/L		95	66 - 127
Acetone	40.0	45.0		ug/L		112	33 - 155
Benzene	20.0	19.5		ug/L		98	77 - 123
Bromoform	20.0	18.7		ug/L		93	47 - 133
Bromomethane	20.0	19.0		ug/L		95	48 - 144
Carbon disulfide	20.0	16.7		ug/L		84	67 - 127
Carbon tetrachloride	20.0	19.7		ug/L		99	61 - 142
Chlorobenzene	20.0	18.5		ug/L		93	80 - 120
Chloroethane	20.0	19.8		ug/L		99	41 - 147

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

Lab Sample ID: LCS 240-440074/5
Matrix: Water
Analysis Batch: 440074

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	20.0	20.0		ug/L		100	74 - 127
Chloromethane	20.0	28.7		ug/L		144	46 - 148
cis-1,2-Dichloroethene	20.0	18.7		ug/L		93	75 - 124
cis-1,3-Dichloropropene	20.0	19.0		ug/L		95	68 - 128
Hexachlorobutadiene	20.0	14.6		ug/L		73	40 - 120
Dibromomethane	20.0	17.4		ug/L		87	67 - 121
Bromodichloromethane	20.0	19.4		ug/L		97	73 - 122
Dichlorodifluoromethane	20.0	17.2		ug/L		86	35 - 137
Ethylbenzene	20.0	18.9		ug/L		95	80 - 120
1,2-Dibromoethane	20.0	18.8		ug/L		94	73 - 120
Naphthalene	20.0	18.6		ug/L		93	28 - 130
m-Xylene & p-Xylene	20.0	18.9		ug/L		95	79 - 121
n-Butylbenzene	20.0	18.7		ug/L		93	54 - 129
Isopropylbenzene	20.0	19.0		ug/L		95	73 - 123
n-Propylbenzene	20.0	19.6		ug/L		98	67 - 130
2-Butanone	40.0	38.7		ug/L		97	41 - 151
4-Methyl-2-pentanone	40.0	41.6		ug/L		104	43 - 145
sec-Butylbenzene	20.0	18.7		ug/L		94	60 - 131
Methyl tert-butyl ether	20.0	19.8		ug/L		99	57 - 127
Methylene Chloride	20.0	20.0		ug/L		100	63 - 134
o-Xylene	20.0	18.8		ug/L		94	75 - 123
Styrene	20.0	18.8		ug/L		94	75 - 121
tert-Butylbenzene	20.0	18.5		ug/L		92	63 - 126
Tetrachloroethene	20.0	18.7		ug/L		94	70 - 125
Toluene	20.0	19.2		ug/L		96	79 - 122
trans-1,2-Dichloroethene	20.0	20.7		ug/L		103	74 - 130
trans-1,3-Dichloropropene	20.0	18.2		ug/L		91	64 - 120
Trichloroethene	20.0	18.8		ug/L		94	71 - 121
Trichlorofluoromethane	20.0	20.2		ug/L		101	52 - 148
Vinyl acetate	20.0	20.7		ug/L		103	44 - 160
Vinyl chloride	20.0	18.7		ug/L		93	61 - 134
tert-Butyl alcohol	200	174		ug/L		87	15 - 169
Xylenes, Total	40.0	37.7		ug/L		94	78 - 122
Dibromochloromethane	20.0	18.8		ug/L		94	75 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 130*
4-Bromofluorobenzene (Surr)	*91*		*47 - 134*
Toluene-d8 (Surr)	*97*		*69 - 122*
Dibromofluoromethane (Surr)	*96*		*78 - 129*

Lab Sample ID: MB 240-440080/8
Matrix: Water
Analysis Batch: 440080

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/25/20 18:02	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/25/20 18:02	1

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

Lab Sample ID: MB 240-440080/8
Matrix: Water
Analysis Batch: 440080

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/25/20 18:02	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/25/20 18:02	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/25/20 18:02	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/25/20 18:02	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/25/20 18:02	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/25/20 18:02	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/25/20 18:02	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/25/20 18:02	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/25/20 18:02	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/25/20 18:02	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/25/20 18:02	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/25/20 18:02	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/25/20 18:02	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/25/20 18:02	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/25/20 18:02	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/25/20 18:02	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/25/20 18:02	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/25/20 18:02	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/25/20 18:02	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/25/20 18:02	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/25/20 18:02	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/25/20 18:02	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/25/20 18:02	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/25/20 18:02	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/25/20 18:02	1
Acetone	5.4	U	5.0	5.4	ug/L			06/25/20 18:02	1
Benzene	0.13	U	1.0	0.13	ug/L			06/25/20 18:02	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/25/20 18:02	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/25/20 18:02	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/25/20 18:02	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/25/20 18:02	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/25/20 18:02	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/25/20 18:02	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/25/20 18:02	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/25/20 18:02	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/25/20 18:02	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/25/20 18:02	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/25/20 18:02	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/25/20 18:02	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/25/20 18:02	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/25/20 18:02	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/25/20 18:02	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/25/20 18:02	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/25/20 18:02	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/25/20 18:02	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/25/20 18:02	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/25/20 18:02	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/25/20 18:02	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/25/20 18:02	1

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

Lab Sample ID: MB 240-440080/8
Matrix: Water
Analysis Batch: 440080

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	1.2	U	5.0	1.2	ug/L			06/25/20 18:02	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/25/20 18:02	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/25/20 18:02	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/25/20 18:02	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/25/20 18:02	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/25/20 18:02	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/25/20 18:02	1
Styrene	0.10	U	1.0	0.10	ug/L			06/25/20 18:02	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/25/20 18:02	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/25/20 18:02	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/25/20 18:02	1
Toluene	0.14	U	1.0	0.14	ug/L			06/25/20 18:02	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/25/20 18:02	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/25/20 18:02	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/25/20 18:02	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/25/20 18:02	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/25/20 18:02	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/25/20 18:02	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/25/20 18:02	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/25/20 18:02	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/25/20 18:02	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/25/20 18:02*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 130*		*06/25/20 18:02*	*1*
4-Bromofluorobenzene (Surr)	*96*		*47 - 134*		*06/25/20 18:02*	*1*
Toluene-d8 (Surr)	*102*		*69 - 122*		*06/25/20 18:02*	*1*
Dibromofluoromethane (Surr)	*98*		*78 - 129*		*06/25/20 18:02*	*1*

Lab Sample ID: LCS 240-440080/5
Matrix: Water
Analysis Batch: 440080

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	19.6		ug/L		98	77 - 120
1,1,1-Trichloroethane	20.0	17.5		ug/L		87	65 - 141
1,1,2,2-Tetrachloroethane	20.0	25.4		ug/L		127	45 - 151
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	19.3		ug/L		97	54 - 148
1,1-Dichloroethane	20.0	20.5		ug/L		102	74 - 126
1,1-Dichloroethene	20.0	19.4		ug/L		97	73 - 129
1,1-Dichloropropene	20.0	19.4		ug/L		97	78 - 120
1,2,3-Trichlorobenzene	20.0	19.0		ug/L		95	42 - 126
1,2,3-Trichloropropane	20.0	21.4		ug/L		107	57 - 137
1,2,4-Trichlorobenzene	20.0	17.6		ug/L		88	47 - 120
1,2,4-Trimethylbenzene	20.0	22.4		ug/L		112	66 - 129

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

Lab Sample ID: LCS 240-440080/5
Matrix: Water
Analysis Batch: 440080

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	20.0	21.0		ug/L		105	34 - 136
1,2-Dichlorobenzene	20.0	20.8		ug/L		104	74 - 120
1,2-Dichloroethane	20.0	17.0		ug/L		85	66 - 129
1,2-Dichloropropane	20.0	21.1		ug/L		106	79 - 127
1,3-Dichlorobenzene	20.0	19.9		ug/L		99	74 - 120
1,3-Dichloropropane	20.0	21.7		ug/L		109	74 - 122
1,4-Dichlorobenzene	20.0	19.5		ug/L		98	75 - 120
2,2-Dichloropropane	20.0	19.1		ug/L		95	67 - 137
2-Chloroethyl vinyl ether	20.0	18.3		ug/L		91	29 - 146
2-Chlorotoluene	20.0	22.0		ug/L		110	73 - 126
2-Hexanone	40.0	40.6		ug/L		101	43 - 142
Bromobenzene	20.0	19.0		ug/L		95	77 - 120
Bromochloromethane	20.0	19.3		ug/L		96	70 - 128
4-Chlorotoluene	20.0	20.9		ug/L		105	73 - 126
p-Isopropyltoluene	20.0	21.0		ug/L		105	66 - 127
Acetone	40.0	56.4		ug/L		141	33 - 155
Benzene	20.0	21.2		ug/L		106	77 - 123
Bromoform	20.0	17.0		ug/L		85	47 - 133
Bromomethane	20.0	17.7		ug/L		89	48 - 144
Carbon disulfide	20.0	20.2		ug/L		101	67 - 127
Carbon tetrachloride	20.0	16.4		ug/L		82	61 - 142
Chlorobenzene	20.0	19.8		ug/L		99	80 - 120
Chloroethane	20.0	20.9		ug/L		105	41 - 147
Chloroform	20.0	19.7		ug/L		98	74 - 127
Chloromethane	20.0	19.6		ug/L		98	46 - 148
cis-1,2-Dichloroethene	20.0	20.0		ug/L		100	75 - 124
cis-1,3-Dichloropropene	20.0	19.0		ug/L		95	68 - 128
Hexachlorobutadiene	20.0	14.7		ug/L		74	40 - 120
Dibromomethane	20.0	15.8		ug/L		79	67 - 121
Bromodichloromethane	20.0	18.6		ug/L		93	73 - 122
Dichlorodifluoromethane	20.0	14.2		ug/L		71	35 - 137
Ethylbenzene	20.0	20.6		ug/L		103	80 - 120
1,2-Dibromoethane	20.0	19.5		ug/L		98	73 - 120
Naphthalene	20.0	21.8		ug/L		109	28 - 130
m-Xylene & p-Xylene	20.0	21.2		ug/L		106	79 - 121
n-Butylbenzene	20.0	21.5		ug/L		107	54 - 129
Isopropylbenzene	20.0	21.1		ug/L		106	73 - 123
n-Propylbenzene	20.0	21.7		ug/L		108	67 - 130
2-Butanone	40.0	44.0		ug/L		110	41 - 151
4-Methyl-2-pentanone	40.0	37.9		ug/L		95	43 - 145
sec-Butylbenzene	20.0	21.5		ug/L		108	60 - 131
Methyl tert-butyl ether	20.0	18.3		ug/L		92	57 - 127
Methylene Chloride	20.0	20.1		ug/L		100	63 - 134
o-Xylene	20.0	21.5		ug/L		107	75 - 123
Styrene	20.0	21.1		ug/L		106	75 - 121
tert-Butylbenzene	20.0	20.3		ug/L		101	63 - 126
Tetrachloroethene	20.0	17.5		ug/L		88	70 - 125
Toluene	20.0	21.9		ug/L		110	79 - 122
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	74 - 130

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

Lab Sample ID: LCS 240-440080/5
Matrix: Water
Analysis Batch: 440080

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	20.0	18.2		ug/L		91	64 - 120
Trichloroethene	20.0	17.4		ug/L		87	71 - 121
Trichlorofluoromethane	20.0	15.4		ug/L		77	52 - 148
Vinyl acetate	20.0	18.4		ug/L		92	44 - 160
Vinyl chloride	20.0	19.7		ug/L		98	61 - 134
tert-Butyl alcohol	200	304		ug/L		152	15 - 169
Xylenes, Total	40.0	42.7		ug/L		107	78 - 122
Dibromochloromethane	20.0	19.2		ug/L		96	75 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 130*
4-Bromofluorobenzene (Surr)	*105*		*47 - 134*
Toluene-d8 (Surr)	*108*		*69 - 122*
Dibromofluoromethane (Surr)	*94*		*78 - 129*

Lab Sample ID: MB 240-440294/8
Matrix: Water
Analysis Batch: 440294

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14	ug/L			06/26/20 17:54	1
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			06/26/20 17:54	1
1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13	ug/L			06/26/20 17:54	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			06/26/20 17:54	1
1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L			06/26/20 17:54	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 17:54	1
1,1-Dichloropropene	0.14	U	1.0	0.14	ug/L			06/26/20 17:54	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			06/26/20 17:54	1
1,2,3-Trichloropropane	0.24	U	1.0	0.24	ug/L			06/26/20 17:54	1
1,2,3-Trimethylbenzene	0.14	U	5.0	0.14	ug/L			06/26/20 17:54	1
1,2,4-Trichlorobenzene	0.26	U	1.0	0.26	ug/L			06/26/20 17:54	1
1,2,4-Trimethylbenzene	0.070	U	1.0	0.070	ug/L			06/26/20 17:54	1
1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91	ug/L			06/26/20 17:54	1
1,2-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 17:54	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			06/26/20 17:54	1
1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L			06/26/20 17:54	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			06/26/20 17:54	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			06/26/20 17:54	1
1,4-Dichlorobenzene	0.16	U	1.0	0.16	ug/L			06/26/20 17:54	1
2,2-Dichloropropane	0.31	U	1.0	0.31	ug/L			06/26/20 17:54	1
2-Chloroethyl vinyl ether	0.26	U	10	0.26	ug/L			06/26/20 17:54	1
2-Chlorotoluene	0.15	U	1.0	0.15	ug/L			06/26/20 17:54	1
2-Hexanone	0.54	U	5.0	0.54	ug/L			06/26/20 17:54	1
Bromobenzene	0.12	U	1.0	0.12	ug/L			06/26/20 17:54	1
Bromochloromethane	0.14	U	1.0	0.14	ug/L			06/26/20 17:54	1
4-Chlorotoluene	0.090	U	1.0	0.090	ug/L			06/26/20 17:54	1
p-Isopropyltoluene	0.13	U	1.0	0.13	ug/L			06/26/20 17:54	1
Acetone	5.4	U	5.0	5.4	ug/L			06/26/20 17:54	1

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

Lab Sample ID: MB 240-440294/8
Matrix: Water
Analysis Batch: 440294

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.13	U	1.0	0.13	ug/L			06/26/20 17:54	1
Bromoform	0.76	U	1.0	0.76	ug/L			06/26/20 17:54	1
Bromomethane	0.42	U	1.0	0.42	ug/L			06/26/20 17:54	1
Carbon disulfide	0.28	U	1.0	0.28	ug/L			06/26/20 17:54	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			06/26/20 17:54	1
Chlorobenzene	0.14	U	1.0	0.14	ug/L			06/26/20 17:54	1
Chloroethane	0.83	U	1.0	0.83	ug/L			06/26/20 17:54	1
Chloroform	0.13	U	1.0	0.13	ug/L			06/26/20 17:54	1
Chloromethane	0.20	U	1.0	0.20	ug/L			06/26/20 17:54	1
cis-1,2-Dichloroethene	0.16	U	1.0	0.16	ug/L			06/26/20 17:54	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			06/26/20 17:54	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			06/26/20 17:54	1
Dibromomethane	0.090	U	1.0	0.090	ug/L			06/26/20 17:54	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			06/26/20 17:54	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			06/26/20 17:54	1
Ethylbenzene	0.11	U	1.0	0.11	ug/L			06/26/20 17:54	1
1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L			06/26/20 17:54	1
Diisopropyl ether	0.17	U	5.0	0.17	ug/L			06/26/20 17:54	1
Naphthalene	0.32	U	1.0	0.32	ug/L			06/26/20 17:54	1
m-Xylene & p-Xylene	0.080	U	2.0	0.080	ug/L			06/26/20 17:54	1
n-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 17:54	1
Isopropylbenzene	0.090	U	1.0	0.090	ug/L			06/26/20 17:54	1
n-Propylbenzene	0.15	U	1.0	0.15	ug/L			06/26/20 17:54	1
2-Butanone	1.2	U	5.0	1.2	ug/L			06/26/20 17:54	1
4-Methyl-2-pentanone	0.42	U	5.0	0.42	ug/L			06/26/20 17:54	1
sec-Butylbenzene	0.13	U	1.0	0.13	ug/L			06/26/20 17:54	1
Methyl tert-butyl ether	0.070	U	1.0	0.070	ug/L			06/26/20 17:54	1
Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11	ug/L			06/26/20 17:54	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			06/26/20 17:54	1
o-Xylene	0.090	U	1.0	0.090	ug/L			06/26/20 17:54	1
Styrene	0.10	U	1.0	0.10	ug/L			06/26/20 17:54	1
Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15	ug/L			06/26/20 17:54	1
tert-Butylbenzene	0.14	U	1.0	0.14	ug/L			06/26/20 17:54	1
Tetrachloroethene	0.15	U	1.0	0.15	ug/L			06/26/20 17:54	1
Toluene	0.14	U	1.0	0.14	ug/L			06/26/20 17:54	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			06/26/20 17:54	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			06/26/20 17:54	1
Trichloroethene	0.10	U	1.0	0.10	ug/L			06/26/20 17:54	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			06/26/20 17:54	1
Vinyl acetate	0.19	U	2.0	0.19	ug/L			06/26/20 17:54	1
Vinyl chloride	0.20	U	0.50	0.20	ug/L			06/26/20 17:54	1
tert-Butyl alcohol	1.7	U	20	1.7	ug/L			06/26/20 17:54	1
Xylenes, Total	0.15	U	2.0	0.15	ug/L			06/26/20 17:54	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/26/20 17:54	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/26/20 17:54*	*1*

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

Lab Sample ID: MB 240-440294/8
Matrix: Water
Analysis Batch: 440294

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 130*		*06/26/20 17:54*	*1*
4-Bromofluorobenzene (Surr)	*94*		*47 - 134*		*06/26/20 17:54*	*1*
Toluene-d8 (Surr)	*103*		*69 - 122*		*06/26/20 17:54*	*1*
Dibromofluoromethane (Surr)	*99*		*78 - 129*		*06/26/20 17:54*	*1*

Lab Sample ID: LCS 240-440294/5
Matrix: Water
Analysis Batch: 440294

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	20.2		ug/L		101	77 - 120
1,1,1-Trichloroethane	20.0	17.8		ug/L		89	65 - 141
1,1,2,2-Tetrachloroethane	20.0	25.4		ug/L		127	45 - 151
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	20.0		ug/L		100	54 - 148
1,1-Dichloroethane	20.0	21.0		ug/L		105	74 - 126
1,1-Dichloroethene	20.0	19.8		ug/L		99	73 - 129
1,1-Dichloropropene	20.0	19.8		ug/L		99	78 - 120
1,2,3-Trichlorobenzene	20.0	19.2		ug/L		96	42 - 126
1,2,3-Trichloropropane	20.0	21.3		ug/L		106	57 - 137
1,2,4-Trichlorobenzene	20.0	17.2		ug/L		86	47 - 120
1,2,4-Trimethylbenzene	20.0	22.3		ug/L		111	66 - 129
1,2-Dibromo-3-Chloropropane	20.0	21.4		ug/L		107	34 - 136
1,2-Dichlorobenzene	20.0	21.0		ug/L		105	74 - 120
1,2-Dichloroethane	20.0	17.3		ug/L		86	66 - 129
1,2-Dichloropropane	20.0	21.6		ug/L		108	79 - 127
1,3-Dichlorobenzene	20.0	20.0		ug/L		100	74 - 120
1,3-Dichloropropane	20.0	21.8		ug/L		109	74 - 122
1,4-Dichlorobenzene	20.0	19.6		ug/L		98	75 - 120
2,2-Dichloropropane	20.0	18.7		ug/L		93	67 - 137
2-Chloroethyl vinyl ether	20.0	18.7		ug/L		94	29 - 146
2-Chlorotoluene	20.0	21.7		ug/L		108	73 - 126
2-Hexanone	40.0	41.2		ug/L		103	43 - 142
Bromobenzene	20.0	19.4		ug/L		97	77 - 120
Bromochloromethane	20.0	19.5		ug/L		98	70 - 128
4-Chlorotoluene	20.0	21.2		ug/L		106	73 - 126
p-Isopropyltoluene	20.0	20.6		ug/L		103	66 - 127
Acetone	40.0	57.1		ug/L		143	33 - 155
Benzene	20.0	21.8		ug/L		109	77 - 123
Bromoform	20.0	17.7		ug/L		89	47 - 133
Bromomethane	20.0	18.2		ug/L		91	48 - 144
Carbon disulfide	20.0	20.8		ug/L		104	67 - 127
Carbon tetrachloride	20.0	16.6		ug/L		83	61 - 142
Chlorobenzene	20.0	20.6		ug/L		103	80 - 120
Chloroethane	20.0	20.9		ug/L		105	41 - 147
Chloroform	20.0	19.6		ug/L		98	74 - 127
Chloromethane	20.0	20.0		ug/L		100	46 - 148
cis-1,2-Dichloroethene	20.0	20.6		ug/L		103	75 - 124
cis-1,3-Dichloropropene	20.0	19.5		ug/L		97	68 - 128

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

Lab Sample ID: LCS 240-440294/5
Matrix: Water
Analysis Batch: 440294

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	20.0	14.6		ug/L		73	40 - 120
Dibromomethane	20.0	16.1		ug/L		80	67 - 121
Bromodichloromethane	20.0	18.6		ug/L		93	73 - 122
Dichlorodifluoromethane	20.0	14.9		ug/L		74	35 - 137
Ethylbenzene	20.0	21.0		ug/L		105	80 - 120
1,2-Dibromoethane	20.0	20.4		ug/L		102	73 - 120
Naphthalene	20.0	21.8		ug/L		109	28 - 130
m-Xylene & p-Xylene	20.0	21.7		ug/L		108	79 - 121
n-Butylbenzene	20.0	21.3		ug/L		106	54 - 129
Isopropylbenzene	20.0	21.4		ug/L		107	73 - 123
n-Propylbenzene	20.0	21.7		ug/L		109	67 - 130
2-Butanone	40.0	44.0		ug/L		110	41 - 151
4-Methyl-2-pentanone	40.0	39.0		ug/L		98	43 - 145
sec-Butylbenzene	20.0	21.3		ug/L		106	60 - 131
Methyl tert-butyl ether	20.0	18.6		ug/L		93	57 - 127
Methylene Chloride	20.0	20.5		ug/L		103	63 - 134
o-Xylene	20.0	22.2		ug/L		111	75 - 123
Styrene	20.0	21.7		ug/L		108	75 - 121
tert-Butylbenzene	20.0	19.7		ug/L		99	63 - 126
Tetrachloroethene	20.0	18.2		ug/L		91	70 - 125
Toluene	20.0	22.5		ug/L		112	79 - 122
trans-1,2-Dichloroethene	20.0	20.7		ug/L		104	74 - 130
trans-1,3-Dichloropropene	20.0	18.4		ug/L		92	64 - 120
Trichloroethene	20.0	17.8		ug/L		89	71 - 121
Trichlorofluoromethane	20.0	15.9		ug/L		80	52 - 148
Vinyl acetate	20.0	20.2		ug/L		101	44 - 160
Vinyl chloride	20.0	20.3		ug/L		101	61 - 134
tert-Butyl alcohol	200	264		ug/L		132	15 - 169
Xylenes, Total	40.0	43.9		ug/L		110	78 - 122
Dibromochloromethane	20.0	19.7		ug/L		98	75 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 130*
4-Bromofluorobenzene (Surr)	*102*		*47 - 134*
Toluene-d8 (Surr)	*107*		*69 - 122*
Dibromofluoromethane (Surr)	*92*		*78 - 129*

GC/MS VOA

Analysis Batch: 440070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-131928-18	MSA-SW42B-061520	Total/NA	Water	8260C	
240-131928-19	MSA-SW42C-061520	Total/NA	Water	8260C	
240-131928-20	MSA-SW42D-061520	Total/NA	Water	8260C	
240-131928-21	MSA-SW43A-061520	Total/NA	Water	8260C	
240-131928-22	MSA-SW43B--061520	Total/NA	Water	8260C	
240-131928-23	MSA-SW43C-061520	Total/NA	Water	8260C	
240-131928-24	MSA-SW43D-061520	Total/NA	Water	8260C	
240-131928-25	MSA-SW44A-061520	Total/NA	Water	8260C	
240-131928-26	MSA-SW44B-061520	Total/NA	Water	8260C	
240-131928-27	MSA-SW44C-061520	Total/NA	Water	8260C	
240-131928-28	MSA-SW44D-061520	Total/NA	Water	8260C	
240-131928-29	TB--061520	Total/NA	Water	8260C	
240-131928-30	MSA-SW46A-061520	Total/NA	Water	8260C	
240-131928-31	MSA-SW47A-061520	Total/NA	Water	8260C	
240-131928-32	MSA-SW48A-061520	Total/NA	Water	8260C	
240-131928-33	MSA-SW49A--061520	Total/NA	Water	8260C	
240-131928-34	EL-SW01A-061520	Total/NA	Water	8260C	
240-131928-35	EL-SW01B-061520	Total/NA	Water	8260C	
240-131928-36	EL-SW01C-061520	Total/NA	Water	8260C	
240-131928-37	EL-SW01D-061520	Total/NA	Water	8260C	
MB 240-440070/8	Method Blank	Total/NA	Water	8260C	
LCS 240-440070/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 440074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-131928-12	MSA-SW40D-061520	Total/NA	Water	8260C	
240-131928-13	MSA-SW41A-061520	Total/NA	Water	8260C	
240-131928-14	MSA-SW41B-061520	Total/NA	Water	8260C	
240-131928-15	MSA-SW41C-061520	Total/NA	Water	8260C	
240-131928-16	MSA-SW41D-061520	Total/NA	Water	8260C	
MB 240-440074/8	Method Blank	Total/NA	Water	8260C	
LCS 240-440074/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 440080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-131928-1	MSA-SW37A-061520	Total/NA	Water	8260C	
240-131928-2	MSA-SW37B-061520	Total/NA	Water	8260C	
240-131928-3	MSA-SW37C-061520	Total/NA	Water	8260C	
240-131928-4	MSA-SW37D-061520	Total/NA	Water	8260C	
240-131928-5	MSA-SW38A-061520	Total/NA	Water	8260C	
240-131928-6	MSA-SW38B-061520	Total/NA	Water	8260C	
240-131928-7	MSA-SW38C-061520	Total/NA	Water	8260C	
240-131928-8	MSA-SW38D-061520	Total/NA	Water	8260C	
240-131928-9	MSA-SW40A-061520	Total/NA	Water	8260C	
240-131928-10	MSA-SW40B-061520	Total/NA	Water	8260C	
240-131928-11	MSA-SW40C-061520	Total/NA	Water	8260C	
MB 240-440080/8	Method Blank	Total/NA	Water	8260C	
LCS 240-440080/5	Lab Control Sample	Total/NA	Water	8260C	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-131928-1

GC/MS VOA

Analysis Batch: 440294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-131928-17	MSA-SW42A-061520	Total/NA	Water	8260C	
MB 240-440294/8	Method Blank	Total/NA	Water	8260C	
LCS 240-440294/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-131928-1

Client Sample ID: MSA-SW37A-061520
Lab Sample ID: 240-131928-1
Date Collected: 06/15/20 12:20
Matrix: Water
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440080	06/25/20 23:18	TJL1	TAL CAN

Client Sample ID: MSA-SW37B-061520
Lab Sample ID: 240-131928-2
Date Collected: 06/15/20 12:23
Matrix: Water
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440080	06/25/20 23:40	TJL1	TAL CAN

Client Sample ID: MSA-SW37C-061520
Lab Sample ID: 240-131928-3
Date Collected: 06/15/20 12:26
Matrix: Water
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440080	06/26/20 00:03	TJL1	TAL CAN

Client Sample ID: MSA-SW37D-061520
Lab Sample ID: 240-131928-4
Date Collected: 06/15/20 12:30
Matrix: Water
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440080	06/26/20 00:25	TJL1	TAL CAN

Client Sample ID: MSA-SW38A-061520
Lab Sample ID: 240-131928-5
Date Collected: 06/15/20 11:36
Matrix: Water
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440080	06/26/20 00:47	TJL1	TAL CAN

Client Sample ID: MSA-SW38B-061520
Lab Sample ID: 240-131928-6
Date Collected: 06/15/20 11:39
Matrix: Water
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440080	06/26/20 01:10	TJL1	TAL CAN

Client Sample ID: MSA-SW38C-061520
Lab Sample ID: 240-131928-7
Date Collected: 06/15/20 11:43
Matrix: Water
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440080	06/26/20 01:33	TJL1	TAL CAN

Client Sample ID: MSA-SW38D-061520 Lab Sample ID: 240-131928-8

Date Collected: 06/15/20 11:45 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440080	06/26/20 01:55	TJL1	TAL CAN

Client Sample ID: MSA-SW40A-061520 Lab Sample ID: 240-131928-9

Date Collected: 06/15/20 11:52 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440080	06/26/20 02:18	TJL1	TAL CAN

Client Sample ID: MSA-SW40B-061520 Lab Sample ID: 240-131928-10

Date Collected: 06/15/20 11:55 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440080	06/26/20 02:40	TJL1	TAL CAN

Client Sample ID: MSA-SW40C-061520 Lab Sample ID: 240-131928-11

Date Collected: 06/15/20 11:57 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440080	06/26/20 03:02	TJL1	TAL CAN

Client Sample ID: MSA-SW40D-061520 Lab Sample ID: 240-131928-12

Date Collected: 06/15/20 12:00 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440074	06/26/20 01:34	TJL1	TAL CAN

Client Sample ID: MSA-SW41A-061520 Lab Sample ID: 240-131928-13

Date Collected: 06/15/20 11:20 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440074	06/26/20 01:56	TJL1	TAL CAN

Client Sample ID: MSA-SW41B-061520 Lab Sample ID: 240-131928-14

Date Collected: 06/15/20 11:23 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440074	06/26/20 02:19	TJL1	TAL CAN

Client Sample ID: MSA-SW41C-061520 Lab Sample ID: 240-131928-15

Date Collected: 06/15/20 11:26 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440074	06/26/20 02:41	TJL1	TAL CAN

Client Sample ID: MSA-SW41D-061520 Lab Sample ID: 240-131928-16

Date Collected: 06/15/20 11:29 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440074	06/26/20 03:04	TJL1	TAL CAN

Client Sample ID: MSA-SW42A-061520 Lab Sample ID: 240-131928-17

Date Collected: 06/15/20 12:06 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440294	06/27/20 00:39	TJL1	TAL CAN

Client Sample ID: MSA-SW42B-061520 Lab Sample ID: 240-131928-18

Date Collected: 06/15/20 12:09 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 02:54	HMB	TAL CAN

Client Sample ID: MSA-SW42C-061520 Lab Sample ID: 240-131928-19

Date Collected: 06/15/20 12:11 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 03:19	HMB	TAL CAN

Client Sample ID: MSA-SW42D-061520 Lab Sample ID: 240-131928-20

Date Collected: 06/15/20 12:15 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 03:43	HMB	TAL CAN

Client Sample ID: MSA-SW43A-061520 Lab Sample ID: 240-131928-21

Date Collected: 06/15/20 11:02 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 04:08	HMB	TAL CAN

Client Sample ID: MSA-SW43B--061520 Lab Sample ID: 240-131928-22

Date Collected: 06/15/20 11:06 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 04:33	HMB	TAL CAN

Client Sample ID: MSA-SW43C-061520 Lab Sample ID: 240-131928-23

Date Collected: 06/15/20 11:09 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 04:58	HMB	TAL CAN

Client Sample ID: MSA-SW43D-061520 Lab Sample ID: 240-131928-24

Date Collected: 06/15/20 11:12 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 05:23	HMB	TAL CAN

Client Sample ID: MSA-SW44A-061520 Lab Sample ID: 240-131928-25

Date Collected: 06/15/20 10:48 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 05:48	HMB	TAL CAN

Client Sample ID: MSA-SW44B-061520 Lab Sample ID: 240-131928-26

Date Collected: 06/15/20 10:50 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 06:13	HMB	TAL CAN

Client Sample ID: MSA-SW44C-061520 Lab Sample ID: 240-131928-27

Date Collected: 06/15/20 10:53 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 06:38	HMB	TAL CAN

Client Sample ID: MSA-SW44D-061520 Lab Sample ID: 240-131928-28

Date Collected: 06/15/20 10:56 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 07:02	HMB	TAL CAN

Client Sample ID: TB--061520 — Lab Sample ID: 240-131928-29

Date Collected: 06/15/20 00:00 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 07:26	HMB	TAL CAN

Client Sample ID: MSA-SW46A-061520 — Lab Sample ID: 240-131928-30

Date Collected: 06/15/20 12:02 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 07:51	HMB	TAL CAN

Client Sample ID: MSA-SW47A-061520 — Lab Sample ID: 240-131928-31

Date Collected: 06/15/20 11:47 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 08:16	HMB	TAL CAN

Client Sample ID: MSA-SW48A-061520 — Lab Sample ID: 240-131928-32

Date Collected: 06/15/20 11:33 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 08:41	HMB	TAL CAN

Client Sample ID: MSA-SW49A--061520 — Lab Sample ID: 240-131928-33

Date Collected: 06/15/20 11:15 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 09:05	HMB	TAL CAN

Client Sample ID: EL-SW01A-061520 — Lab Sample ID: 240-131928-34

Date Collected: 06/15/20 10:28 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 09:30	HMB	TAL CAN

Client Sample ID: EL-SW01B-061520 — Lab Sample ID: 240-131928-35

Date Collected: 06/15/20 10:31 **Matrix: Water**
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 09:55	HMB	TAL CAN

Lab Chronicle

Client: Tetra Tech, Inc.
Job ID: 240-131928-1
Project/Site: MSA Surface Water

Client Sample ID: EL-SW01C-061520
Lab Sample ID: 240-131928-36

Date Collected: 06/15/20 10:34
Matrix: Water
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 10:19	HMB	TAL CAN

Client Sample ID: EL-SW01D-061520
Lab Sample ID: 240-131928-37

Date Collected: 06/15/20 10:36
Matrix: Water
Date Received: 06/16/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	440070	06/26/20 10:44	HMB	TAL CAN

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 240-131928-1
Project/Site: MSA Surface Water

Laboratory: Eurofins TestAmerica, Canton

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-23-21
Connecticut	State	PH-0590	12-31-21
Florida	NELAP	E87225	06-30-20
Georgia	State	4062	02-23-21
Illinois	NELAP	004498	07-31-20
Iowa	State	421	06-01-21
Kansas	NELAP	E-10336	04-30-21
Kentucky (UST)	State	112225	02-23-21
Kentucky (WW)	State	KY98016	12-31-20
Minnesota	NELAP	OH00048	12-31-20
Minnesota (Petrofund)	State	3506	08-01-21
New Jersey	NELAP	OH001	06-30-20
New York	NELAP	10975	03-31-21
Ohio VAP	State	CL0024	06-05-21
Oregon	NELAP	4062	02-24-21
Pennsylvania	NELAP	68-00340	08-31-20
Texas	NELAP	T104704517-18-10	08-31-20
USDA	US Federal Programs	P330-18-00281	09-17-21
Virginia	NELAP	010101	09-14-20
Washington	State	C971	01-12-21
West Virginia DEP	State	210	12-31-20

Method Summary

Client: Tetra Tech, Inc.
Job ID: 240-131928-1
Project/Site: MSA Surface Water

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
5030C	Purge and Trap	SW846	TAL CAN

Protocol References:

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

Laboratory References:

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-131928-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
240-131928-1	MSA-SW37A-061520	Water	06/15/20 12:20	06/16/20 10:10	
240-131928-2	MSA-SW37B-061520	Water	06/15/20 12:23	06/16/20 10:10	
240-131928-3	MSA-SW37C-061520	Water	06/15/20 12:26	06/16/20 10:10	
240-131928-4	MSA-SW37D-061520	Water	06/15/20 12:30	06/16/20 10:10	
240-131928-5	MSA-SW38A-061520	Water	06/15/20 11:36	06/16/20 10:10	
240-131928-6	MSA-SW38B-061520	Water	06/15/20 11:39	06/16/20 10:10	
240-131928-7	MSA-SW38C-061520	Water	06/15/20 11:43	06/16/20 10:10	
240-131928-8	MSA-SW38D-061520	Water	06/15/20 11:45	06/16/20 10:10	
240-131928-9	MSA-SW40A-061520	Water	06/15/20 11:52	06/16/20 10:10	
240-131928-10	MSA-SW40B-061520	Water	06/15/20 11:55	06/16/20 10:10	
240-131928-11	MSA-SW40C-061520	Water	06/15/20 11:57	06/16/20 10:10	
240-131928-12	MSA-SW40D-061520	Water	06/15/20 12:00	06/16/20 10:10	
240-131928-13	MSA-SW41A-061520	Water	06/15/20 11:20	06/16/20 10:10	
240-131928-14	MSA-SW41B-061520	Water	06/15/20 11:23	06/16/20 10:10	
240-131928-15	MSA-SW41C-061520	Water	06/15/20 11:26	06/16/20 10:10	
240-131928-16	MSA-SW41D-061520	Water	06/15/20 11:29	06/16/20 10:10	
240-131928-17	MSA-SW42A-061520	Water	06/15/20 12:06	06/16/20 10:10	
240-131928-18	MSA-SW42B-061520	Water	06/15/20 12:09	06/16/20 10:10	
240-131928-19	MSA-SW42C-061520	Water	06/15/20 12:11	06/16/20 10:10	
240-131928-20	MSA-SW42D-061520	Water	06/15/20 12:15	06/16/20 10:10	
240-131928-21	MSA-SW43A-061520	Water	06/15/20 11:02	06/16/20 10:10	
240-131928-22	MSA-SW43B--061520	Water	06/15/20 11:06	06/16/20 10:10	
240-131928-23	MSA-SW43C-061520	Water	06/15/20 11:09	06/16/20 10:10	
240-131928-24	MSA-SW43D-061520	Water	06/15/20 11:12	06/16/20 10:10	
240-131928-25	MSA-SW44A-061520	Water	06/15/20 10:48	06/16/20 10:10	
240-131928-26	MSA-SW44B-061520	Water	06/15/20 10:50	06/16/20 10:10	
240-131928-27	MSA-SW44C-061520	Water	06/15/20 10:53	06/16/20 10:10	
240-131928-28	MSA-SW44D-061520	Water	06/15/20 10:56	06/16/20 10:10	
240-131928-29	TB--061520	Water	06/15/20 00:00	06/16/20 10:10	
240-131928-30	MSA-SW46A-061520	Water	06/15/20 12:02	06/16/20 10:10	
240-131928-31	MSA-SW47A-061520	Water	06/15/20 11:47	06/16/20 10:10	
240-131928-32	MSA-SW48A-061520	Water	06/15/20 11:33	06/16/20 10:10	
240-131928-33	MSA-SW49A--061520	Water	06/15/20 11:15	06/16/20 10:10	
240-131928-34	EL-SW01A-061520	Water	06/15/20 10:28	06/16/20 10:10	
240-131928-35	EL-SW01B-061520	Water	06/15/20 10:31	06/16/20 10:10	
240-131928-36	EL-SW01C-061520	Water	06/15/20 10:34	06/16/20 10:10	
240-131928-37	EL-SW01D-061520	Water	06/15/20 10:36	06/16/20 10:10	

Quantitation Limit Exceptions Summary

Client: Tetra Tech, Inc. Job ID: 240-131928-1
Project/Site: MSA Surface Water

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	2-Butanone	Water	Total/NA	ug/L	5.0	10
8260C	2-Hexanone	Water	Total/NA	ug/L	5.0	10
8260C	4-Methyl-2-pentanone	Water	Total/NA	ug/L	5.0	10
8260C	Acetone	Water	Total/NA	ug/L	5.0	10
8260C	Diisopropyl ether	Water	Total/NA	ug/L	5.0	10
8260C	tert-Butyl alcohol	Water	Total/NA	ug/L	20	40
8260C	Vinyl chloride	Water	Total/NA	ug/L	0.50	1

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX12 Analysis Batch Number: 378870

Lab Sample ID: STD8260 240-378870/8 IC Client Sample ID:

Date Analyzed: 04/30/19 14:10 Lab File ID: U1269795.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane		Invalid Compound ID	laveyt	04/30/19 15:28
1,2-Dibromo-3-Chloropropane		Invalid Compound ID	laveyt	04/30/19 15:29
2-Butanone		Invalid Compound ID	laveyt	04/30/19 15:25
2-Hexanone		Invalid Compound ID	laveyt	04/30/19 15:27
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	04/30/19 15:26
Acetone		Invalid Compound ID	laveyt	04/30/19 15:23
Acrolein		Invalid Compound ID	laveyt	04/30/19 15:23
Acrylonitrile		Invalid Compound ID	laveyt	04/30/19 15:24
Isobutyl alcohol		Invalid Compound ID	laveyt	04/30/19 15:25
Methyl acetate		Invalid Compound ID	laveyt	04/30/19 15:24
tert-Butyl alcohol		Invalid Compound ID	laveyt	04/30/19 15:24
Tetrahydrofuran		Invalid Compound ID	laveyt	04/30/19 15:25
trans-1,4-Dichloro-2-butene		Invalid Compound ID	laveyt	04/30/19 15:28
Vinyl acetate		Invalid Compound ID	laveyt	04/30/19 15:25

Lab Sample ID: STD8260 240-378870/13 I Client Sample ID:

Date Analyzed: 04/30/19 16:02 Lab File ID: U1269800.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.58	Split Peak	laveyt	04/30/19 16:22

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX12 Analysis Batch Number: 378870

Lab Sample ID: STD8260 240-378870/14 I Client Sample ID:

Date Analyzed: 04/30/19 16:24 Lab File ID: U1269801.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethane-d4 (Surr)		Invalid Compound ID	laveyt	04/30/19 16:51
4-Bromofluorobenzene (Surr)		Invalid Compound ID	laveyt	04/30/19 16:52
Acetone		Invalid Compound ID	laveyt	04/30/19 16:45
Chloromethane		Invalid Compound ID	laveyt	04/30/19 16:44
Dibromofluoromethane (Surr)		Invalid Compound ID	laveyt	04/30/19 16:51
Methylene Chloride		Invalid Compound ID	laveyt	04/30/19 16:46
n-Heptane		Invalid Compound ID	laveyt	04/30/19 16:54
Toluene-d8 (Surr)		Invalid Compound ID	laveyt	04/30/19 16:52

Lab Sample ID: ICV 240-378870/15 Client Sample ID:

Date Analyzed: 04/30/19 16:46 Lab File ID: U1269802.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.59	Split Peak	laveyt	04/30/19 17:05

Lab Sample ID: STDA9 240-378870/24 IC Client Sample ID:

Date Analyzed: 04/30/19 20:05 Lab File ID: U1269811.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Methylnaphthalene		Invalid Compound ID	laveyt	05/01/19 13:31
Acetonitrile		Invalid Compound ID	laveyt	05/01/19 13:28
Cyclohexanone		Invalid Compound ID	laveyt	05/01/19 13:29
n-Butanol		Invalid Compound ID	laveyt	05/01/19 13:29
Propionitrile		Invalid Compound ID	laveyt	05/01/19 13:28

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX12 Analysis Batch Number: 440074

Lab Sample ID: 240-131928-12 Client Sample ID: MSA-SW40D-061520

Date Analyzed: 06/26/20 01:34 Lab File ID: U1278726.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/26/20 13:40

Lab Sample ID: 240-131928-13 Client Sample ID: MSA-SW41A-061520

Date Analyzed: 06/26/20 01:56 Lab File ID: U1278727.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/26/20 13:40
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	06/26/20 13:40

Lab Sample ID: 240-131928-14 Client Sample ID: MSA-SW41B-061520

Date Analyzed: 06/26/20 02:19 Lab File ID: U1278728.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/26/20 13:40

Lab Sample ID: 240-131928-15 Client Sample ID: MSA-SW41C-061520

Date Analyzed: 06/26/20 02:41 Lab File ID: U1278729.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/26/20 13:41
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	06/26/20 13:41

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX12 Analysis Batch Number: 440074

Lab Sample ID: 240-131928-16 Client Sample ID: MSA-SW41D-061520

Date Analyzed: 06/26/20 03:04 Lab File ID: U1278730.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/26/20 13:41
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	06/26/20 13:41

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX16 Analysis Batch Number: 434666

Lab Sample ID: STD8260 240-434666/9 IC Client Sample ID:

Date Analyzed: 05/18/20 09:45 Lab File ID: UXM27982.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane		Invalid Compound ID	bosworthh	05/18/20 10:30

Lab Sample ID: STD8260 240-434666/10 I Client Sample ID:

Date Analyzed: 05/18/20 10:10 Lab File ID: UXM27983.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane		Invalid Compound ID	bosworthh	05/18/20 12:23

Lab Sample ID: STD8260 240-434666/15 I Client Sample ID:

Date Analyzed: 05/18/20 12:13 Lab File ID: UXM27988.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toluene-d8 (Surr)	7.26	Invalid Compound ID	bosworthh	05/18/20 12:40
1,1,2-Trichloro-1,2,2-trichfluoroethane		Invalid Compound ID	bosworthh	05/18/20 12:43
1,4-Dioxane		Invalid Compound ID	bosworthh	05/18/20 12:42
2-Butanone		Invalid Compound ID	bosworthh	05/18/20 12:41
Acetone		Invalid Compound ID	bosworthh	05/18/20 12:40
Ethyl methacrylate		Invalid Compound ID	bosworthh	05/18/20 12:42
Hexane		Invalid Compound ID	bosworthh	05/18/20 12:41
Methylcyclohexane		Invalid Compound ID	bosworthh	05/18/20 12:42
n-Heptane		Invalid Compound ID	bosworthh	05/18/20 12:46
Vinyl acetate		Invalid Compound ID	bosworthh	05/18/20 12:41

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX16 Analysis Batch Number: 434666

Lab Sample ID: STDA9 240-434666/19 IC Client Sample ID:

Date Analyzed: 05/18/20 13:52 Lab File ID: UXM27992.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	6.06	Invalid Compound ID	bosworthh	05/19/20 08:57
Pentachloroethane	10.48	Invalid Compound ID	bosworthh	05/19/20 08:57

Lab Sample ID: STDA9 240-434666/24 IC Client Sample ID:

Date Analyzed: 05/18/20 15:56 Lab File ID: UXM27997.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	6.07	Invalid Compound ID	bosworthh	05/19/20 08:56
Benzyl chloride		Invalid Compound ID	bosworthh	05/19/20 08:56
Pentachloroethane	10.48	Invalid Compound ID	bosworthh	05/19/20 08:56

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX16 Analysis Batch Number: 439793

Lab Sample ID: STD8260 240-439793/9 IC Client Sample ID:

Date Analyzed: 06/24/20 09:52 Lab File ID: UXM29196.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane		Invalid Compound ID	bosworthh	06/24/20 10:48
Trichlorofluoromethane		Invalid Compound ID	bosworthh	06/24/20 12:40

Lab Sample ID: STD8260 240-439793/10 I Client Sample ID:

Date Analyzed: 06/24/20 10:16 Lab File ID: UXM29197.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane		Invalid Compound ID	bosworthh	06/24/20 11:27

Lab Sample ID: STD8260 240-439793/15 I Client Sample ID:

Date Analyzed: 06/24/20 12:17 Lab File ID: UXM29202.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	9.91	Peak assignment corrected	bosworthh	06/24/20 12:38
1,1,2-Trichloro-1,2,2-trichfluoro ethane		Invalid Compound ID	bosworthh	06/24/20 12:43
1,2-Dibromo-3-Chloropropane		Invalid Compound ID	bosworthh	06/24/20 12:52
2-Butanone		Invalid Compound ID	bosworthh	06/24/20 12:45
2-Chloroethyl vinyl ether		Invalid Compound ID	bosworthh	06/24/20 12:46
4-Bromofluorobenzene (Surr)		Invalid Compound ID	bosworthh	06/24/20 12:41
Acetone		Invalid Compound ID	bosworthh	06/24/20 12:44
Bromoform		Invalid Compound ID	bosworthh	06/24/20 12:51
Hexane		Invalid Compound ID	bosworthh	06/24/20 12:44
Iodomethane		Invalid Compound ID	bosworthh	06/24/20 12:44
Methylcyclohexane		Invalid Compound ID	bosworthh	06/24/20 12:46
n-Heptane		Invalid Compound ID	bosworthh	06/24/20 12:43
Toluene-d8 (Surr)		Invalid Compound ID	bosworthh	06/24/20 12:41

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX19 Analysis Batch Number: 337766

Lab Sample ID: STD8260 240-337766/13 I Client Sample ID:

Date Analyzed: 07/24/18 20:04 Lab File ID: U1900794.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane		Invalid Compound ID	laveyt	07/25/18 10:11
Acetone		Invalid Compound ID	laveyt	07/25/18 09:52
Bromoform		Invalid Compound ID	laveyt	07/25/18 09:54
Methylene Chloride		Invalid Compound ID	laveyt	07/25/18 09:52
n-Heptane		Invalid Compound ID	laveyt	07/25/18 09:54
tert-Butyl alcohol		Invalid Compound ID	laveyt	07/25/18 09:53
1,3-Dichlorobenzene	10.81	Peak assignment corrected	laveyt	07/25/18 09:51

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX19 Analysis Batch Number: 342719

Lab Sample ID: STD8260 240-342719/13 I Client Sample ID:

Date Analyzed: 08/27/18 19:23 Lab File ID: U1901329.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane		Invalid Compound ID	laveyt	08/27/18 19:49
Acetone		Invalid Compound ID	laveyt	08/27/18 19:48
Methylene Chloride		Invalid Compound ID	laveyt	08/27/18 19:48
Naphthalene		Invalid Compound ID	laveyt	08/27/18 20:00
n-Heptane		Invalid Compound ID	laveyt	08/27/18 19:48
Tetrahydrofuran		Invalid Compound ID	laveyt	08/27/18 19:48
trans-1,4-Dichloro-2-butene		Invalid Compound ID	laveyt	08/27/18 19:50
1,3-Dichlorobenzene	10.82	Peak assignment corrected	laveyt	08/27/18 19:47

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX19 Analysis Batch Number: 440080

Lab Sample ID: 240-131928-2 Client Sample ID: MSA-SW37B-061520

Date Analyzed: 06/25/20 23:40 Lab File ID: U1915192.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/26/20 13:33

Lab Sample ID: 240-131928-3 Client Sample ID: MSA-SW37C-061520

Date Analyzed: 06/26/20 00:03 Lab File ID: U1915193.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/26/20 13:33

Lab Sample ID: 240-131928-4 Client Sample ID: MSA-SW37D-061520

Date Analyzed: 06/26/20 00:25 Lab File ID: U1915194.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/26/20 13:33

Lab Sample ID: 240-131928-5 Client Sample ID: MSA-SW38A-061520

Date Analyzed: 06/26/20 00:47 Lab File ID: U1915195.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/26/20 13:34

Lab Sample ID: 240-131928-6 Client Sample ID: MSA-SW38B-061520

Date Analyzed: 06/26/20 01:10 Lab File ID: U1915196.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/26/20 13:34

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX19 Analysis Batch Number: 440080

Lab Sample ID: 240-131928-7 Client Sample ID: MSA-SW38C-061520

Date Analyzed: 06/26/20 01:33 Lab File ID: U1915197.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/26/20 13:34

Lab Sample ID: 240-131928-8 Client Sample ID: MSA-SW38D-061520

Date Analyzed: 06/26/20 01:55 Lab File ID: U1915198.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/26/20 13:35

Lab Sample ID: 240-131928-9 Client Sample ID: MSA-SW40A-061520

Date Analyzed: 06/26/20 02:18 Lab File ID: U1915199.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/26/20 13:35

Lab Sample ID: 240-131928-10 Client Sample ID: MSA-SW40B-061520

Date Analyzed: 06/26/20 02:40 Lab File ID: U1915200.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/26/20 13:35

Lab Sample ID: 240-131928-11 Client Sample ID: MSA-SW40C-061520

Date Analyzed: 06/26/20 03:02 Lab File ID: U1915201.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/26/20 13:36

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX19 Analysis Batch Number: 440294

Lab Sample ID: 240-131928-17 Client Sample ID: MSA-SW42A-061520

Date Analyzed: 06/27/20 00:39 Lab File ID: U1915225.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	06/27/20 09:44

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
vm100is_stk_A_00005	12/08/20	06/08/20	MEOH, Lot 230446	50 mL	vm30241_00007	2 mL	1,4-Dichlorobenzene-d4	100 ug/mL
							Chlorobenzene-d5	100 ug/mL
							Fluorobenzene	100 ug/mL
.vm30241_00007	01/31/23		restek, Lot A0134242		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm50is_stk_A_00001	11/14/18	05/14/18	MEOH, Lot 191720	50 mL	vm30241_00007	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.vm30241_00007	01/31/23		restek, Lot A0134242		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm50is_stk_A_00003	05/19/19	11/19/18	MEOH, Lot 196628	50 mL	vm30241_00007	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.vm30241_00007	01/31/23		restek, Lot A0134242		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm50is_stk_A_00006	08/06/20	02/06/20	MEOH, Lot 230446	50 mL	vm30241_00007	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.vm30241_00007	01/31/23		restek, Lot A0134242		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm50ss_00329	07/27/18	07/20/18	MEOH, Lot na	4 mL	vm50ss_stk_00078	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00078	12/20/18	06/20/18	MEOH, Lot 178178	200 mL	VM567650_00029	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VM567650_00029	01/31/22		Restek, Lot A0124069		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_00333	08/29/18	08/22/18	MEOH, Lot na	4 mL	vm50ss_stk_00078	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00078	12/20/18	06/20/18	MEOH, Lot 178178	200 mL	VM567650_00029	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VM567650_00029	01/31/22		Restek, Lot A0124069		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_00362	04/30/19	04/23/19	MEOH, Lot na	4 mL	vm50ss_stk_00080	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00080	08/20/19	02/20/19	MEOH, Lot 0000196628	200 mL	VM567650_00030	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VM567650_00030	01/31/22		Restek, Lot A0124069		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_00401	05/21/20	05/14/20	MEOH, Lot na	5 mL	vm50ss_stk_00083	5 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00083	06/24/20	12/24/19	MEOH, Lot 0000230446	200 mL	VM567650_00032	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VM567650_00032	07/30/23		Restek, Lot A0139582		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_00408	06/30/20	06/23/20	MEOH, Lot na	5 mL	vm50ss_stk_00085	5 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00085	11/21/20	05/21/20	MEOH, Lot 0000230446	200 mL	VM567650_00032	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VM567650_00032	07/30/23		Restek, Lot A0139582		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_stk_00077	09/27/18	03/27/18	MEOH, Lot 0000136118	200 mL	VM567650_00027	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VM567650_00027	07/31/21		Restek, Lot A0120212		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
vm50ss_stk_00080	08/20/19	02/20/19	MEOH, Lot 0000196628	200 mL	VM567650_00030	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VM567650_00030	01/31/22		Restek, Lot A0124069		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_stk_00083	06/24/20	12/24/19	MEOH, Lot 0000230446	200 mL	VM567650_00032	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VM567650_00032	07/30/23		Restek, Lot A0139582		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_stk_00085	11/21/20	05/21/20	MEOH, Lot 0000230446	200 mL	VM567650_00032	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VM567650_00032	07/30/23		Restek, Lot A0139582		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vmarolistdw_00256	07/26/18	07/19/18	MEOH, Lot na	4 mL	VMACROLSTD_00062	4 mL	Acrolein	250 ug/mL
.VMACROLSTD_00062	08/31/18	06/01/18	MEOH, Lot 178178	100 mL	VM568720_00028	1.25 mL	Acrolein	250 ug/mL
..VM568720_00028	08/31/18		restek, Lot A0135693		(Purchased Reagent)		Acrolein	20000 ug/mL
vmarolistdw_00260	08/27/18	08/20/18	MEOH, Lot na	4 mL	VMACROLSTD_00062	4 mL	Acrolein	250 ug/mL
.VMACROLSTD_00062	08/31/18	06/01/18	MEOH, Lot 178178	100 mL	VM568720_00028	1.25 mL	Acrolein	250 ug/mL
..VM568720_00028	08/31/18		restek, Lot A0135693		(Purchased Reagent)		Acrolein	20000 ug/mL
vmarolistdw_00294	04/30/19	04/25/19	MEOH, Lot na	5 mL	VMACROLSTD_00070	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00070	04/30/19	03/31/19	MEOH, Lot 0000196628	20 mL	VM568720_00032	0.25 mL	Acrolein	250 ug/mL
..VM568720_00032	05/31/19		restek, Lot A0143013		(Purchased Reagent)		Acrolein	20000 ug/mL
vmarolistdw_00345	05/24/20	05/17/20	MEOH, Lot na	5 mL	VMACROLSTD_00083	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00083	06/01/20	05/01/20	MEOH, Lot 0000230446	20 mL	VM568720_00038	0.25 mL	Acrolein	250 ug/mL
..VM568720_00038	04/30/21		restek, Lot A0154578		(Purchased Reagent)		Acrolein	20000 ug/mL
vmarolistdw_00349	06/25/20	06/18/20	MEOH, Lot na	5 mL	VMACROLSTD_00084	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00084	06/30/20	05/31/20	MEOH, Lot 0000230446	20 mL	VM568720_00038	0.25 mL	Acrolein	250 ug/mL
..VM568720_00038	04/30/21		restek, Lot A0154578		(Purchased Reagent)		Acrolein	20000 ug/mL
VMAROLISTDW_00350	06/30/20	06/26/20	MEOH, Lot na	5 mL	VMACROLSTD_00084	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00084	06/30/20	05/31/20	MEOH, Lot 0000230446	20 mL	VM568720_00038	0.25 mL	Acrolein	250 ug/mL
..VM568720_00038	04/30/21		restek, Lot A0154578		(Purchased Reagent)		Acrolein	20000 ug/mL
vmbfb_00020							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tentatively Identified Compound	
							Total BTEX	
							Trihalomethanes, Total	
							Xylenes, Total	
					vm30026_00002	1.25 mL	BFB	50 ug/mL
.vm30026_00002	07/31/21		restek, Lot A0120567		(Purchased Reagent)		BFB	2000 ug/mL
vmbfb_00021							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
							Trihalomethanes, Total	
							Xylenes, Total	
					vm30026_00002	1.25 mL	BFB	50 ug/mL
.vm30026_00002	07/31/21		restek, Lot A0120567		(Purchased Reagent)		BFB	2000 ug/mL
vmbfb_00024							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
							Trihalomethanes, Total	
							Xylenes, Total	
					vm30026_00003	1.25 mL	BFB	50 ug/mL
.vm30026_00003	08/31/23		restek, Lot A0141187		(Purchased Reagent)		BFB	2000 ug/mL
vmbfb_00025							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
							Trihalomethanes, Total	
							Xylenes, Total	
					vm30026_00003	1.25 mL	BFB	50 ug/mL
.vm30026_00003	08/31/23		restek, Lot A0141187		(Purchased Reagent)		BFB	2000 ug/mL
VMFASA9W_00194	07/26/18	07/19/18	MEOH, Lot NA	4 mL	VMFASA9_00013	4 mL	Cyclohexanone	500 ug/mL
							Pentachloroethane	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
							Ethyl acetate	100 ug/mL
							Methyl methacrylate	100 ug/mL
							Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tert-amyl-methyl ether (TAME)	50 ug/mL
.VMFASA9_00013	09/30/18	05/01/18	MEOH, Lot 0000177891	100 mL	VM569727S_00002	2 mL	Cyclohexanone	500 ug/mL
					vm570806S_00003	4 mL	Pentachloroethane	100 ug/mL
					vm570807S_00003	4 mL	2-Methylnaphthalene	100 ug/mL
					VM570808S_00004	2 mL	1,2,3-Trimethylbenzene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					VM570809S_00004	2 mL	Ethyl acetate	100 ug/mL
							Methyl methacrylate	100 ug/mL
					VM571993S_00002	2 mL	Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
..VM569727S_00002	10/31/20		RESTEK, Lot A0131573		(Purchased Reagent)		Cyclohexanone	25000 ug/mL
..vm570806S_00003	03/31/22		Restek, Lot A0126373		(Purchased Reagent)		Pentachloroethane	2500 ug/mL
..vm570807S_00003	04/30/22		Restek, Lot A0126553		(Purchased Reagent)		2-Methylnaphthalene	2500 ug/mL
..VM570808S_00004	09/30/18		Restek, Lot A0126195		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
..VM570809S_00004	10/31/18		Restek, Lot A0126533		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
..VM571993S_00002	12/31/18		restek, Lot A0123771		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Diisopropyl ether	2500 ug/mL
							Ethyl-t-butyl ether (ETBE)	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl-methyl ether (TAME)	2500 ug/mL
VMFASA9W_00228	04/30/19	04/23/19	MEOH, Lot NA	4 mL	VMFASA9_00016	4 mL	Cyclohexanone	500 ug/mL
							Pentachloroethane	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
							Ethyl acetate	100 ug/mL
							Methyl methacrylate	100 ug/mL
							Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
.VMFASA9_00016	06/30/19	12/31/18	MEOH, Lot 0000196628	100 mL	VM569727S_00003	2 mL	Cyclohexanone	500 ug/mL
					vm570806S_00005	4 mL	Pentachloroethane	100 ug/mL
					vm570807S_00004	4 mL	2-Methylnaphthalene	100 ug/mL
					VM570808S_00005	2 mL	1,2,3-Trimethylbenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitropropane	100 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					VM570809S_00006	2 mL	Ethyl acetate	100 ug/mL
							Methyl methacrylate	100 ug/mL
					VM571993S_00005	2 mL	Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
..VM569727S_00003	03/31/21		RESTEK, Lot A0136499		(Purchased Reagent)		Cyclohexanone	25000 ug/mL
..vm570806S_00005	03/31/22		Restek, Lot A0126373		(Purchased Reagent)		Pentachloroethane	2500 ug/mL
..vm570807S_00004	04/30/22		Restek, Lot A0126553		(Purchased Reagent)		2-Methylnaphthalene	2500 ug/mL
..VM570808S_00005	08/31/19		Restek, Lot A0135368		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
..VM570809S_00006	06/30/19		Restek, Lot A0132887		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
..VM571993S_00005	06/30/20		restek, Lot A0139245		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Diisopropyl ether	2500 ug/mL
							Ethyl-t-butyl ether (ETBE)	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl-methyl ether (TAME)	2500 ug/mL
VMFASA9W_00276	05/20/20	05/13/20	MEOH, Lot NA	5 mL	VMFASA9_00021	5 mL	Cyclohexanone	500 ug/mL
							Pentachloroethane	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
							Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
.VMFASA9_00021	05/31/20	05/01/20	MEOH, Lot +221000000230446J+	20 mL	VM569727S_00004	0.4 mL	Cyclohexanone	500 ug/mL
					vm570806S_00005	0.8 mL	Pentachloroethane	100 ug/mL
					vm570807S_00005	0.8 mL	2-Methylnaphthalene	100 ug/mL
					VM570808S_00007	0.4 mL	1,2,3-Trimethylbenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VM571993S_00005	0.4 mL	Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
..VM569727S_00004	01/31/22		RESTEK, Lot A0144966		(Purchased Reagent)		Cyclohexanone	25000 ug/mL
..vm570806S_00005	03/31/22		Restek, Lot A0126373		(Purchased Reagent)		Pentachloroethane	2500 ug/mL
..vm570807S_00005	04/30/22		Restek, Lot A0126553		(Purchased Reagent)		2-Methylnaphthalene	2500 ug/mL
..VM570808S_00007	05/31/20		Restek, Lot A0143097		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							1-Chlorohexane	2500 ug/mL
							2-Chloro-1,3-butadiene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
..VM571993S_00005	06/30/20		restek, Lot A0139245		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Diisopropyl ether	2500 ug/mL
							Ethyl-t-butyl ether (ETBE)	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl-methyl ether (TAME)	2500 ug/mL
VMFASAW_00246	08/31/18	08/24/18	MEOH, Lot NA	4 mL	VMFASA_00044	4 mL	Acrolein	250 ug/mL
.VMFASA_00044	09/30/18	07/31/18	MEOH, Lot 0000196626	100 mL	VM568720S_00026	1.25 mL	Acrolein	250 ug/mL
..VM568720S_00026	09/30/18		restek, Lot A0135949		(Purchased Reagent)		Acrolein	20000 ug/mL
VMFASAW_00277	05/02/19	04/25/19	MEOH, Lot NA	5 mL	VMFASA_00052	5 mL	Acrolein	250 ug/mL
.VMFASA_00052	05/18/19	04/18/19	MEOH, Lot +201600000198123J7	100 mL	VM568720S_00030	1.25 mL	Acrolein	250 ug/mL
..VM568720S_00030	05/31/19		restek, Lot A0143084		(Purchased Reagent)		Acrolein	20000 ug/mL
VMFASAW_00333	06/29/20	06/22/20	MEOH, Lot NA	5 mL	VMFASA_00063	5 mL	Acrolein	250 ug/mL
.VMFASA_00063	08/20/20	05/20/20	MEOH, Lot 0000230446	100 mL	VM568720S_00036	1.25 mL	Acrolein	250 ug/mL
..VM568720S_00036	04/30/21		restek, Lot A0154553		(Purchased Reagent)		Acrolein	20000 ug/mL
VMFASGW_00271	08/28/18	08/21/18	MEOH, Lot NA	4 mL	VMFASG_00074	4 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMFASG_00074	09/13/18	08/13/18	MEOH, Lot 0000196626	100 mL	vm569722S_00004	2 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
..vm569722S_00004	11/30/18		Restek, Lot A0115484		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VMFASGW_00307	05/06/19	04/29/19	MEOH, Lot NA	5 mL	VMFASG_00082	5 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMFASG_00082	05/21/19	04/21/19	MEOH, Lot 0000196628	100 mL	vm569722S_00005	2 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
..vm569722S_00005	01/31/20		Restek, Lot A0124116		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
VMFASGW_00364	06/25/20	06/18/20	MEOH, Lot NA	5 mL	VMFASG_00095	5 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMFASG_00095	06/30/20	05/31/20	MEOH, Lot 0000230446	100 mL	vm569722S_00007	2 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
..vm569722S_00007	10/31/21		Restek, Lot A0142117		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
VMFASGW_00365	06/30/20	06/26/20	MEOH, Lot NA	5 mL	VMFASG_00095	5 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMFASG_00095	06/30/20	05/31/20	MEOH, Lot 0000230446	100 mL	vm569722S_00007	2 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	50 ug/mL
..vm569722S_00007	10/31/21		Restek, Lot A0142117		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
VMFASPW_00264	09/03/18	08/27/18	MEOH, Lot n/a	4 mL	VMRFASP_00049	4 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	50 ug/mL
							Vinyl acetate	50 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
.VMRFASP_00049	10/31/18	07/18/18	MEOH, Lot 0000196626	100 mL	VM569721S_00003	0.8 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
					VM569723S_00006	2 mL	2-Chloroethyl vinyl ether	50 ug/mL
					VM569724S_00019	1 mL	Vinyl acetate	50 ug/mL
					VM571992S_00002	2 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
..VM569721S_00003	03/31/19		Restek, Lot A0108013		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723S_00006	11/30/18		Restek, Lot A0115500		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724S_00019	10/31/18		Restek, Lot A0137486		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992S_00002	12/31/18		Restek, Lot A0123775		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							Total BTEX	12500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Trihalomethanes, Total	10000 ug/mL
							Xylenes, Total	5000 ug/mL
VMFASPW_00297	05/01/19	04/24/19	MEOH, Lot n/a	5 mL	VMRFASP_00055	5 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	50 ug/mL
							Vinyl acetate	50 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
.VMRFASP_00055	06/30/19	03/31/19	MEOH, Lot 0000196628	100 mL	VM569721S_00005	0.8 mL	2-Butanone	100 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
					VM569723S_00007	2 mL	2-Chloroethyl vinyl ether	50 ug/mL
					VM569724S_00022	1 mL	Vinyl acetate	50 ug/mL
					VM571992S_00004	2 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
..VM569721S_00005	12/31/20		Restek, Lot A0133078		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723S_00007	01/31/20		Restek, Lot A0123884		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724S_00022	06/30/19		Restek, Lot A0144188		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992S_00004	06/30/19		Restek, Lot A0123775		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							Total BTEX	12500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Trihalomethanes, Total	10000 ug/mL
							Xylenes, Total	5000 ug/mL
VMFASPW_00355	06/25/20	06/18/20	MEOH, Lot n/a	5 mL	VMRFASP_00067	5 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloroethyl vinyl ether	50 ug/mL
							Vinyl acetate	50 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
.VMRFASP_00067	09/18/20	06/18/20	MEOH, Lot 0000230446	100 mL	VM569721S_00005	0.8 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
					VM569723S_00008	2 mL	2-Chloroethyl vinyl ether	50 ug/mL
					VM569724S_00029	1 mL	Vinyl acetate	50 ug/mL
					VM571992S_00006	2 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
..VM569721S_00005	12/31/20		Restek, Lot A0133078		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723S_00008	11/30/21		Restek, Lot A0143264		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724S_00029	09/30/21		Restek, Lot A0158728		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992S_00006	06/30/21		Restek, Lot A0144202		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							Total BTEX	12500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Trihalomethanes, Total	10000 ug/mL
							Xylenes, Total	5000 ug/mL
VMFASPW_00356	07/03/20	06/26/20	MEOH, Lot n/a	5 mL	VMRFASP_00067	5 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	50 ug/mL
							Vinyl acetate	50 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
.VMRFASP_00067	09/18/20	06/18/20	MEOH, Lot 0000230446	100 mL	VM569721S_00005	0.8 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
					VM569723S_00008	2 mL	2-Chloroethyl vinyl ether	50 ug/mL
					VM569724S_00029	1 mL	Vinyl acetate	50 ug/mL
					VM571992S_00006	2 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
..VM569721S_00005	12/31/20		Restek, Lot A0133078		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..VM569723S_00008	11/30/21		Restek, Lot A0143264		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724S_00029	09/30/21		Restek, Lot A0158728		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992S_00006	06/30/21		Restek, Lot A0144202		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	5000 ug/mL
vmra9w_00259	07/30/18	07/23/18	MEOH, Lot NA	4 mL	VMRA9_00024	4 mL	1-Chloro-1-fluoroethane TIC	50 ug/mL
							Cyclohexanone	500 ug/mL
							Pentachloroethane	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
.VMRA9_00024	12/17/18	06/17/18	MEOH, Lot 173605TF	50 mL	Freon 151_00003	1 mL	1-Chloro-1-fluoroethane TIC	50 ug/mL
					VM569727_00002	1 mL	Cyclohexanone	500 ug/mL
					vm570806_00003	2 mL	Pentachloroethane	100 ug/mL
					vm570807_00003	2 mL	2-Methylnaphthalene	100 ug/mL
					VM570808_00004	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					VM570809_00005	1 mL	Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butyl acetate	50 ug/mL
					VM571993_00001	1 mL	Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
..Freon 151_00003	12/17/18	06/17/18	MEOH, Lot 173605TF	20 mL	Freon 151_00001	0.5 mL	1-Chloro-1-fluoroethane TIC	2500 ug/mL
...Freon 151_00001	06/18/19	SynQuest Laboratories , Inc, Lot 270800			(Purchased Reagent)		1-Chloro-1-fluoroethane TIC	10 %
..VM569727_00002	03/31/19	RESTEK, Lot A0118487			(Purchased Reagent)		Cyclohexanone	25000 ug/mL
..vm570806_00003	04/30/22	Restek, Lot A0126447			(Purchased Reagent)		Pentachloroethane	2500 ug/mL
..vm570807_00003	02/28/22	Restek, Lot A0125050			(Purchased Reagent)		2-Methylnaphthalene	2500 ug/mL
..VM570808_00004	05/31/19	Restek, Lot A0132816			(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							1,3,5-Trichlorobenzene	2500 ug/mL
							1-Chlorohexane	2500 ug/mL
							2-Chloro-1,3-butadiene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Benzyl chloride	2500 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
..VM570809_00005	04/30/19	Restek, Lot A0131668			(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Ethyl acrylate	2500 ug/mL
							Methyl methacrylate	5000 ug/mL
							n-Butyl acetate	2500 ug/mL
..VM571993_00001	12/31/18	restek, Lot A0123796			(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Diisopropyl ether	2500 ug/mL
							Ethyl-t-butyl ether (ETBE)	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl-methyl ether (TAME)	2500 ug/mL
vmra9w_00295	04/30/19	04/25/19	MEOH, Lot NA	5 mL	VMRA9_00026	5 mL	1-Chloro-1-fluoroethane TIC	50 ug/mL
							Cyclohexanone	500 ug/mL
							Pentachloroethane	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
.VMRA9_00026	04/30/19	03/31/19	MEOH, Lot 0000196628	50 mL	Freon 151_00004	1 mL	1-Chloro-1-fluoroethane TIC	50 ug/mL
					VM569727_00003	1 mL	Cyclohexanone	500 ug/mL
					vm570806_00003	2 mL	Pentachloroethane	100 ug/mL
					vm570807_00003	2 mL	2-Methylnaphthalene	100 ug/mL
					VM570808_00004	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					VM570809_00005	1 mL	Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL
					VM571993_00003	1 mL	Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
..Freon 151_00004	06/17/19	12/17/18	MEOH, Lot 173605TF	20 mL	Freon 151_00001	0.5 mL	1-Chloro-1-fluoroethane TIC	2500 ug/mL
...Freon 151_00001	06/18/19	SynQuest Laboratories , Inc, Lot 270800			(Purchased Reagent)		1-Chloro-1-fluoroethane TIC	10 %
..VM569727_00003	02/29/20	RESTEK, Lot A0124672			(Purchased Reagent)		Cyclohexanone	25000 ug/mL
..vm570806_00003	04/30/22	Restek, Lot A0126447			(Purchased Reagent)		Pentachloroethane	2500 ug/mL
..vm570807_00003	02/28/22	Restek, Lot A0125050			(Purchased Reagent)		2-Methylnaphthalene	2500 ug/mL
..VM570808_00004	05/31/19	Restek, Lot A0132816			(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							1,3,5-Trichlorobenzene	2500 ug/mL
							1-Chlorohexane	2500 ug/mL
							2-Chloro-1,3-butadiene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Benzyl chloride	2500 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
..VM570809_00005	04/30/19	Restek, Lot A0131668			(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Ethyl acrylate	2500 ug/mL
							Methyl methacrylate	5000 ug/mL
							n-Butyl acetate	2500 ug/mL
..VM571993_00003	07/31/20	restek, Lot A0139911			(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Diisopropyl ether	2500 ug/mL
							Ethyl-t-butyl ether (ETBE)	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl-methyl ether (TAME)	2500 ug/mL
vmra9w_00344	05/20/20	05/13/20	MEOH, Lot NA	5 mL	VMRA9_00030	5 mL	Cyclohexanone	500 ug/mL
							Pentachloroethane	100 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Isooctane	50 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
.VMRA9_00030	05/31/20	03/27/20	MEOH, Lot +221000000230446J+	50 mL	VM569727_00004	1 mL	Cyclohexanone	500 ug/mL
					vm570806_00004	2 mL	Pentachloroethane	100 ug/mL
					vm570807_00004	2 mL	1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
					VM570808_00005	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Isooctane	50 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					VM570809_00006	1 mL	Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL
					VM571993_00003	1 mL	Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
..VM569727_00004	01/31/22		RESTEK, Lot A0145193		(Purchased Reagent)		Cyclohexanone	25000 ug/mL
..vm570806_00004	04/30/22		Restek, Lot A0126447		(Purchased Reagent)		Pentachloroethane	2500 ug/mL
..vm570807_00004	02/28/22		Restek, Lot A0125050		(Purchased Reagent)		1-Methylnaphthalene	2500 ug/mL
							2-Methylnaphthalene	2500 ug/mL
..VM570808_00005	07/31/20		Restek, Lot A0145375		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trichlorobenzene	2500 ug/mL
							1-Chlorohexane	2500 ug/mL
							2-Chloro-1,3-butadiene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Benzyl chloride	2500 ug/mL
							Isooctane	2500 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
..VM570809_00006	05/31/20		Restek, Lot A0143198		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Ethyl acrylate	2500 ug/mL
							Methyl methacrylate	5000 ug/mL
							n-Butyl acetate	2500 ug/mL
..VM571993_00003	07/31/20		restek, Lot A0139911		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Diisopropyl ether	2500 ug/mL
							Ethyl-t-butyl ether (ETBE)	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl-methyl ether (TAME)	2500 ug/mL
VMRA9W_00350	07/02/20	06/25/20	MEOH, Lot NA	5 mL	VMRA9_00031	5 mL	Cyclohexanone	500 ug/mL
							Pentachloroethane	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
							Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
.VMRA9_00031	07/31/20	05/30/20	MEOH, Lot 0000230446	50 mL	VM569727_00004	1 mL	Cyclohexanone	500 ug/mL
					vm570806_00004	2 mL	Pentachloroethane	100 ug/mL
					vm570807_00004	2 mL	2-Methylnaphthalene	100 ug/mL
					VM570808_00005	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					VM570809_00007	1 mL	Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
					VM571993_00003	1 mL	Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..VM569727_00004	01/31/22		RESTEK, Lot A0145193		(Purchased Reagent)		Cyclohexanone	25000 ug/mL
..vm570806_00004	04/30/22		Restek, Lot A0126447		(Purchased Reagent)		Pentachloroethane	2500 ug/mL
..vm570807_00004	02/28/22		Restek, Lot A0125050		(Purchased Reagent)		2-Methylnaphthalene	2500 ug/mL
..VM570808_00005	07/31/20		Restek, Lot A0145375		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
..VM570809_00007	06/30/21		Restek, Lot A0156071		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Ethyl acrylate	2500 ug/mL
							Methyl methacrylate	5000 ug/mL
..VM571993_00003	07/31/20		restek, Lot A0139911		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Diisopropyl ether	2500 ug/mL
							Ethyl-t-butyl ether (ETBE)	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl-methyl ether (TAME)	2500 ug/mL
vmrgas_00255	07/30/18	07/23/18	MEOH, Lot 0000196626	10 mL	vm569722_00011	0.2 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.vm569722_00011	10/31/20		Restek, Lot A0131502		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
vmrgas_00259	08/31/18	08/24/18	MEOH, Lot 0000196628	10 mL	vm569722_00011	0.2 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.vm569722_00011	10/31/20		Restek, Lot A0131502		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
vmrgas_00291	05/07/19	04/30/19	MEOH, Lot 0000198123	10 mL	vm569722_00012	0.2 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.vm569722_00012	11/30/21		Restek, Lot A0143158		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
vmrgas_00339	05/22/20	05/15/20	MEOH, Lot +221000000230446J+	10 mL	vm569722_00014	0.2 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.vm569722_00014	03/31/22		Restek, Lot A0146651		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
vmrgas_00344	06/30/20	06/23/20	MEOH, Lot 0000230446	10 mL	vm569722_00014	0.2 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.vm569722_00014	03/31/22		Restek, Lot A0146651		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
vmrprimw_00292	07/26/18	07/19/18	MEOH, Lot NA	4 mL	VMRPRIM_00028	4 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
							Vinyl acetate	50 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
.VMRPRIM_00028	07/29/18	04/29/18	MEOH, Lot 0000177891	50 mL	VM569721_00002	0.4 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
					VM569723_00003	2 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00014	0.5 mL	Vinyl acetate	50 ug/mL
					VM571992_00001	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
..VM569721_00002	08/31/18		Restek, Lot A0113194		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723_00003	07/31/18		restek, Lot A0112895		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724_00014	07/31/18		Restek, Lot A0134268		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992_00001	12/31/18		Restek, Lot A0123711		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
vmrprimw_00297	08/29/18	08/22/18	MEOH, Lot NA	4 mL	VMRPRIM_00029	4 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
							Vinyl acetate	50 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
.VMRPRIM_00029	10/31/18	07/28/18	MEOH, Lot 0000196626	50 mL	VM569721_00004	0.4 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
					VM569723_00004	2 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00016	0.5 mL	Vinyl acetate	50 ug/mL
					VM571992_00001	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
..VM569721_00004	11/30/18		Restek, Lot A0115554		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723_00004	11/30/18		restek, Lot A0115628		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724_00016	10/31/18		Restek, Lot A0137562		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992_00001	12/31/18		Restek, Lot A0123711		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
vmrprimw_00331	05/01/19	04/24/19	MEOH, Lot NA	4 mL	VMRPRIM_00035	4 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
							Vinyl acetate	50 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
.VMRPRIM_00035	06/30/19	03/01/19	MEOH, Lot 0000196628	50 mL	VM569721_00005	0.4 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
					VM569723_00007	2 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00018	0.5 mL	Vinyl acetate	50 ug/mL
					VM571992_00002	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
..VM569721_00005	04/30/21		Restek, Lot A0137509		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723_00007	12/31/20		restek, Lot A0133302		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724_00018	07/31/19		Restek, Lot A0144661		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992_00002	06/30/19		Restek, Lot A0123711		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
vmrprimw_00386	05/24/20	05/17/20	MEOH, Lot NA	5 mL	VMRPRIM_00045	5 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
							Vinyl acetate	50 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
.VMRPRIM_00045	08/01/20	05/01/20	MEOH, Lot 0000230446	50 mL	VM569721_00006	0.4 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
					VM569723_00008	2 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00024	0.5 mL	Vinyl acetate	50 ug/mL
					VM571992_00003	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
..VM569721_00006	04/30/21		Restek, Lot A0137509		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723_00008	02/28/22		restek, Lot A0146250		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724_00024	07/31/21		Restek, Lot A0156559		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992_00003	06/30/21		Restek, Lot A0143774		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
vmrprimw_00391	06/29/20	06/22/20	MEOH, Lot NA	5 mL	VMRPRIM_00045	5 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
							Vinyl acetate	50 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
.VMRPRIM_00045	08/01/20	05/01/20	MEOH, Lot 0000230446	50 mL	VM569721_00006	0.4 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
					VM569723_00008	2 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00024	0.5 mL	Vinyl acetate	50 ug/mL
					VM571992_00003	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
..VM569721_00006	04/30/21		Restek, Lot A0137509		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723_00008	02/28/22		restek, Lot A0146250		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724_00024	07/31/21		Restek, Lot A0156559		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992_00003	06/30/21		Restek, Lot A0143774		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
VMRPRIMW_00391	06/29/20	06/22/20	MEOH, Lot NA	5 mL	VMRPRIM_00045	5 mL	Total BTEX	250 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
.VMRPRIM_00045	08/01/20	05/01/20	MEOH, Lot 0000230446	50 mL	VM571992_00003	1 mL	Total BTEX	250 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
..VM571992_00003	06/30/21	Restek, Lot A0143774			(Purchased Reagent)		Total BTEX	12500 ug/mL
							Trihalomethanes, Total	10000 ug/mL
							Xylenes, Total	5000 ug/mL

Reagent

vm30026_00002

Rec: 4/11/17 (5)

VM30026-00002

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30026 **Lot No.:** A0120567

Description : 4-Bromofluorobenzene Mixture

4-Bromofluorobenzene 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1-Bromo-4-fluorobenzene (BFB)	2,019.3 µg/mL	+/- 11.8506	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KOV)		+/- 113.2335	µg/mL	Unstressed
	Purity 99%		+/- 115.8825	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm30026_00003

Rec: 11/28/18
VM30026-00063

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30026 **Lot No.:** A0141187

Description : 4-Bromofluorobenzene Mixture

4-Bromofluorobenzene 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2023 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1-Bromo-4-fluorobenzene (BFB)	2,004.7 µg/mL	+/- 11.7645	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KO)		+/- 112.4110	µg/mL	Unstressed
	Purity 99%		+/- 115.0408	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm30241_00007

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30241 **Lot No.:** A0134242

Description : 8260A Internal Standard Mix

8260A Internal Standard Mix 2,500 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2023 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Fluorobenzene	2,503.6 µg/mL	+/- 14.5561 µg/mL	Gravimetric
	CAS # 462-06-6 (Lot BCBK8171V)		+/- 140.3744 µg/mL	Unstressed
	Purity 99%		+/- 143.6590 µg/mL	Stressed
2	Chlorobenzene-d5	2,506.4 µg/mL	+/- 14.5724 µg/mL	Gravimetric
	CAS # 3114-55-4 (Lot PR-22736)		+/- 140.5314 µg/mL	Unstressed
	Purity 99%		+/- 143.8196 µg/mL	Stressed
3	1,4-Dichlorobenzene-d4	2,513.4 µg/mL	+/- 14.6131 µg/mL	Gravimetric
	CAS # 3855-82-1 (Lot PR-18488)		+/- 140.9238 µg/mL	Unstressed
	Purity 99%		+/- 144.2213 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

VM30241-00007

REC'D 5-4-18

Reagent

VM567650_00027

VM567650-00027 Rec: 4/10/17 (39)

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567650 **Lot No.:** A0120212

Description : 8260 Surrogate Standard

8260 Surrogate Standard 2,500 ug/ml, P&T Methanol, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dibromofluoromethane	2,521.3 µg/mL	+/- 14.6591 µg/mL	Gravimetric
	CAS # 1868-53-7 (Lot 032015)		+/- 141.3668 µg/mL	Unstressed
	Purity 99%		+/- 144.6746 µg/mL	Stressed
2	1,2-Dichloroethane-d4	2,523.7 µg/mL	+/- 14.6730 µg/mL	Gravimetric
	CAS # 17060-07-0 (Lot 14C-191)		+/- 141.5014 µg/mL	Unstressed
	Purity 99%		+/- 144.8123 µg/mL	Stressed
3	Toluene-d8	2,523.6 µg/mL	+/- 14.6724 µg/mL	Gravimetric
	CAS # 2037-26-5 (Lot PR-26623)		+/- 141.4957 µg/mL	Unstressed
	Purity 99%		+/- 144.8066 µg/mL	Stressed
4	1-Bromo-4-fluorobenzene (BFB)	2,510.9 µg/mL	+/- 14.5986 µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KOV)		+/- 140.7837 µg/mL	Unstressed
	Purity 99%		+/- 144.0778 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM567650_00029

Rec: 8/22/17

VM567650-00029

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567650 **Lot No.:** A0124069

Description : 8260 Surrogate Standard

8260 Surrogate Standard 2,500 ug/ml, P&T Methanol, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dibromofluoromethane **CAS #** 1868-53-7 (Lot 0012016) **Purity** 99%	2,521.2 µg/mL	+/- 14.6582 µg/mL +/- 141.3584 µg/mL +/- 144.6660 µg/mL	Gravimetric Unstressed Stressed
2	1,2-Dichloroethane-d4 **CAS #** 17060-07-0 (Lot PR-25433) **Purity** 98%	2,513.8 µg/mL	+/- 14.6157 µg/mL +/- 140.9489 µg/mL +/- 144.2469 µg/mL	Gravimetric Unstressed Stressed
3	Toluene-d8 **CAS #** 2037-26-5 (Lot PR-27311) **Purity** 99%	2,519.4 µg/mL	+/- 14.6480 µg/mL +/- 141.2603 µg/mL +/- 144.5656 µg/mL	Gravimetric Unstressed Stressed
4	1-Bromo-4-fluorobenzene (BFB) **CAS #** 460-00-4 (Lot 20401KOV) **Purity** 99%	2,520.8 µg/mL	+/- 14.6559 µg/mL +/- 141.3360 µg/mL +/- 144.6430 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM567650_00030

Rec: 11/8/17
VM567650-00050

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567650 **Lot No.:** A0124069

Description : 8260 Surrogate Standard

8260 Surrogate Standard 2,500 ug/ml, P&T Methanol, 5 ml/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dibromofluoromethane		2,521.2 µg/mL	+/- 14.6582	µg/mL	Gravimetric
	CAS # 1868-53-7	(Lot 0012016)		+/- 141.3584	µg/mL	Unstressed
	Purity 99%			+/- 144.6660	µg/mL	Stressed
2	1,2-Dichloroethane-d4		2,513.8 µg/mL	+/- 14.6157	µg/mL	Gravimetric
	CAS # 17060-07-0	(Lot PR-25433)		+/- 140.9489	µg/mL	Unstressed
	Purity 98%			+/- 144.2469	µg/mL	Stressed
3	Toluene-d8		2,519.4 µg/mL	+/- 14.6480	µg/mL	Gravimetric
	CAS # 2037-26-5	(Lot PR-27311)		+/- 141.2603	µg/mL	Unstressed
	Purity 99%			+/- 144.5656	µg/mL	Stressed
4	1-Bromo-4-fluorobenzene (BFB)		2,520.8 µg/mL	+/- 14.6559	µg/mL	Gravimetric
	CAS # 460-00-4	(Lot 20401KOV)		+/- 141.3360	µg/mL	Unstressed
	Purity 99%			+/- 144.6430	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM568720_00028

rec: 6/1/18

VM568720-00028

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720 **Lot No.:** A0135693

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acrolein	19,777.5 µg/mL	+/- 115.8016	µg/mL	Gravimetric
	CAS # 107-02-8 (Lot 171116JLM)		+/- 634.1288	µg/mL	Unstressed
	Purity 99%		+/- 737.1054	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM568720_00032

Rec: 3/13/19

VM568720_00032

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720 **Lot No.:** A0143013

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2019 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)			
1	Acrolein		19,750.0	µg/mL	+/- 115.6406	µg/mL	Gravimetric
	CAS # 107-02-8	(Lot 180823JACG)			+/- 633.2471	µg/mL	Unstressed
	Purity 99%				+/- 736.0805	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM568720_00038

VM568720 — 00038

Rec: 3/27/20

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720 **Lot No.:** A0154578

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2021 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acrolein		19,810.7 µg/mL	+/- 115.9958	µg/mL	Gravimetric
	CAS # 107-02-8	(Lot D0012019410)		+/- 395.7642	µg/mL	Unstressed
	Purity 99%			+/- 887.8866	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM568720S_00026

Rec'd 6/1/18

VM5687205-00026

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720.SEC **Lot No.:** A0135949

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acrolein	19,772.0 µg/mL	+/- 116.0332	µg/mL	Gravimetric
	CAS # 107-02-8.SEC (Lot X19C007)		+/- 634.0007	µg/mL	Unstressed
	Purity 99%		+/- 736.9419	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM568720S_00030

Acc: 2/15/19 (9)
VM568720S-00030

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720.SEC **Lot No.:** A0143084

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2019 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acrolein	19,750.0 µg/mL	+/- 115.6406	µg/mL	Gravimetric
	CAS # 107-02-8.SEC (Lot X19C007)		+/- 633.2471	µg/mL	Unstressed
	Purity 99%		+/- 736.0805	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM568720S_00036

Rec: 1/16/20 VM 568720.SEC — 000396

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720.SEC **Lot No.:** A0154553

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2021 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acrolein	19,750.0 µg/mL	+/- 115.6405	µg/mL	Gravimetric
	CAS # 107-02-8.SEC (Lot D8402600-1024)		+/- 394.5517	µg/mL	Unstressed
	Purity 97%		+/- 885.1665	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM569721_00002

VM569721_00002 Rec: 9/16/15

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0113194

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500 µg/ml, P&T Methanol/Water (90:10), 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2018 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acetone **CAS #** 67-64-1 **Purity** 99%	(Lot 07196AK)	12,510.0 µg/mL	+/- 73.2488 µg/mL +/- 665.8110 µg/mL +/- 666.5452 µg/mL		Gravimetric Unstressed Stressed
2	2-Butanone (MEK) **CAS #** 78-93-3 **Purity** 99%	(Lot BCBK4358V)	12,527.5 µg/mL	+/- 73.3513 µg/mL +/- 666.7424 µg/mL +/- 667.4776 µg/mL		Gravimetric Unstressed Stressed
3	4-Methyl-2-pentanone (MIBK) **CAS #** 108-10-1 **Purity** 99%	(Lot SHBF5332V)	12,503.0 µg/mL	+/- 73.2078 µg/mL +/- 665.4385 µg/mL +/- 666.1722 µg/mL		Gravimetric Unstressed Stressed
4	2-Hexanone **CAS #** 591-78-6 **Purity** 99%	(Lot MKBN7380V)	12,509.0 µg/mL	+/- 73.2429 µg/mL +/- 665.7578 µg/mL +/- 666.4919 µg/mL		Gravimetric Unstressed Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

VM569721_00004

Rec: 1-25-17

VM569721_00004

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0115554

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500 µg/ml, P&T Methanol/Water (90:10), 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2018 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Acetone		12,501.8 µg/mL	+/-	72.6865	µg/mL	Gravimetric
	CAS # 67-64-1	(Lot 07196AK)		+/-	754.2890	µg/mL	Unstressed
	Purity 99%			+/-	756.0798	µg/mL	Stressed
2	2-Butanone (MEK)		12,499.7 µg/mL	+/-	72.6744	µg/mL	Gravimetric
	CAS # 78-93-3	(Lot SHBG0444V)		+/-	754.1625	µg/mL	Unstressed
	Purity 98%			+/-	755.9530	µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)		12,500.6 µg/mL	+/-	72.6796	µg/mL	Gravimetric
	CAS # 108-10-1	(Lot SHBF9556V)		+/-	754.2166	µg/mL	Unstressed
	Purity 99%			+/-	756.0072	µg/mL	Stressed
4	2-Hexanone		12,502.4 µg/mL	+/-	72.6900	µg/mL	Gravimetric
	CAS # 591-78-6	(Lot MKBT3158V)		+/-	754.3252	µg/mL	Unstressed
	Purity 99%			+/-	756.1161	µg/mL	Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

VM569721_00005

VM569721_00005 Rec: 11/30/18

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0137509

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acetone		12,619.0 µg/mL	+/- 73.8870	µg/mL	Gravimetric
	CAS # 67-64-1	(Lot SHBH6933)		+/- 761.4104	µg/mL	Unstressed
	Purity 99%			+/- 763.2179	µg/mL	Stressed
2	2-Butanone (MEK)		12,602.0 µg/mL	+/- 73.7875	µg/mL	Gravimetric
	CAS # 78-93-3	(Lot SHBF2461V)		+/- 760.3846	µg/mL	Unstressed
	Purity 99%			+/- 762.1897	µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)		12,531.0 µg/mL	+/- 73.3718	µg/mL	Gravimetric
	CAS # 108-10-1	(Lot SHBH7006)		+/- 756.1006	µg/mL	Unstressed
	Purity 99%			+/- 757.8955	µg/mL	Stressed
4	2-Hexanone		12,606.0 µg/mL	+/- 73.8109	µg/mL	Gravimetric
	CAS # 591-78-6	(Lot MKBW0198V)		+/- 760.6260	µg/mL	Unstressed
	Purity 99%			+/- 762.4316	µg/mL	Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

VM569721_00006

RCL: 12/4/18

VM569721_00006

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0137509

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone **CAS #** 67-64-1 (Lot SHBH6933) **Purity** 99%	12,619.0 µg/mL	+/- 73.8870 µg/mL +/- 761.4104 µg/mL +/- 763.2179 µg/mL	Gravimetric Unstressed Stressed
2	2-Butanone (MEK) **CAS #** 78-93-3 (Lot SHBF2461V) **Purity** 99%	12,602.0 µg/mL	+/- 73.7875 µg/mL +/- 760.3846 µg/mL +/- 762.1897 µg/mL	Gravimetric Unstressed Stressed
3	4-Methyl-2-pentanone (MIBK) **CAS #** 108-10-1 (Lot SHBH7006) **Purity** 99%	12,531.0 µg/mL	+/- 73.3718 µg/mL +/- 756.1006 µg/mL +/- 757.8955 µg/mL	Gravimetric Unstressed Stressed
4	2-Hexanone **CAS #** 591-78-6 (Lot MKBW0198V) **Purity** 99%	12,606.0 µg/mL	+/- 73.8109 µg/mL +/- 760.6260 µg/mL +/- 762.4316 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

VM569721S_00003

Rec: 7/12/16 (20)
VM569721S-00003

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721.sec **Lot No.:** A0118013

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500 µg/ml, P&T Methanol/Water (90:10), 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2019 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone **CAS #** 67-64-1.SEC (Lot P14A572) **Purity** 99%	12,550.0 µg/mL	+/- 73.4830 µg/mL +/- 757.2470 µg/mL +/- 759.0446 µg/mL	Gravimetric Unstressed Stressed
2	2-Butanone (MEK) **CAS #** 78-93-3.SEC (Lot RA58J) **Purity** 99%	12,603.0 µg/mL	+/- 73.7933 µg/mL +/- 760.4450 µg/mL +/- 762.2502 µg/mL	Gravimetric Unstressed Stressed
3	4-Methyl-2-pentanone (MIBK) **CAS #** 108-10-1.SEC (Lot E29T040) **Purity** 99%	12,591.5 µg/mL	+/- 73.7260 µg/mL +/- 759.7511 µg/mL +/- 761.5546 µg/mL	Gravimetric Unstressed Stressed
4	2-Hexanone **CAS #** 591-78-6.SEC (Lot V3NRA) **Purity** 99%	12,588.0 µg/mL	+/- 73.7055 µg/mL +/- 759.5399 µg/mL +/- 761.3429 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

VM569721S_00005

Rec: 6/15/18 20 vials

VM569721S-00005

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721.SEC **Lot No.:** A0133078

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acetone	12,504.8 µg/mL	+/- 73.2184	µg/mL	Gravimetric
	CAS # 67-64-1.SEC (Lot P14A572)		+/- 754.5197	µg/mL	Unstressed
	Purity 99%		+/- 756.3109	µg/mL	Stressed
2	2-Butanone (MEK)	12,504.0 µg/mL	+/- 73.2137	µg/mL	Gravimetric
	CAS # 78-93-3.SEC (Lot RA58J)		+/- 754.4715	µg/mL	Unstressed
	Purity 99%		+/- 756.2625	µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,500.8 µg/mL	+/- 73.1949	µg/mL	Gravimetric
	CAS # 108-10-1.SEC (Lot E29T040)		+/- 754.2784	µg/mL	Unstressed
	Purity 99%		+/- 756.0689	µg/mL	Stressed
4	2-Hexanone	12,503.6 µg/mL	+/- 73.2113	µg/mL	Gravimetric
	CAS # 591-78-6.SEC (Lot V3NRA)		+/- 754.4473	µg/mL	Unstressed
	Purity 99%		+/- 756.2383	µg/mL	Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

vm569722_00011

Rec: 4/17/18

VM569722_00011

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569722 **Lot No.:** A0131502

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12) **CAS #** 75-71-8 (Lot Q167-08) **Purity** 99%	2,501.3 µg/mL	+/- 20.2137 µg/mL +/- 140.9452 µg/mL +/- 144.2108 µg/mL	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) **CAS #** 74-87-3 (Lot SHBG9707V) **Purity** 99%	2,504.9 µg/mL	+/- 24.8531 µg/mL +/- 141.8827 µg/mL +/- 145.1364 µg/mL	Gravimetric Unstressed Stressed
3	Vinyl chloride **CAS #** 75-01-4 (Lot 1026101231B1) **Purity** 99%	2,498.3 µg/mL	+/- 21.7258 µg/mL +/- 141.0069 µg/mL +/- 144.2635 µg/mL	Gravimetric Unstressed Stressed
4	1,3-Butadiene **CAS #** 106-99-0 (Lot SHBH7966) **Purity** 99%	2,499.9 µg/mL	+/- 19.8572 µg/mL +/- 140.8167 µg/mL +/- 144.0816 µg/mL	Gravimetric Unstressed Stressed
5	Bromomethane (methyl bromide) **CAS #** 74-83-9 (Lot 101604) **Purity** 99%	2,500.4 µg/mL	+/- 24.9675 µg/mL +/- 141.6590 µg/mL +/- 144.9064 µg/mL	Gravimetric Unstressed Stressed
6	Chloroethane (ethyl chloride) **CAS #** 75-00-3 (Lot 23593) **Purity** 99%	2,500.1 µg/mL	+/- 25.2649 µg/mL +/- 141.6931 µg/mL +/- 144.9388 µg/mL	Gravimetric Unstressed Stressed
7	Dichlorofluoromethane (CFC-21) **CAS #** 75-43-4 (Lot 4938100) **Purity** 99%	2,500.0 µg/mL	+/- 16.7114 µg/mL +/- 140.4149 µg/mL +/- 143.6892 µg/mL	Gravimetric Unstressed Stressed

8	Trichlorofluoromethane (CFC-11) **CAS #** 75-69-4 **Purity** 99%	(Lot SHBH4155V)	2,499.5 µg/mL	+/- 20.7085 +/- 140.9189 +/- 144.1805	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

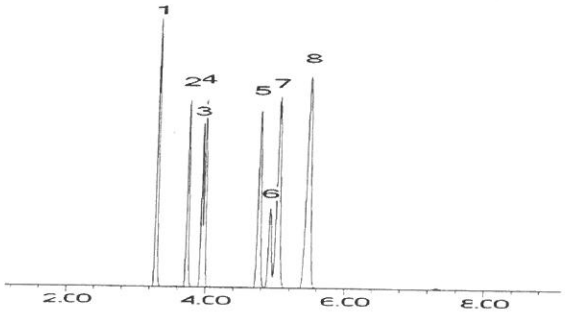
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

F. Joseph Tallon - Mix Technician **Date Mixed:** 10-Oct-2017 **Balance:** B251644995

Jennifer Pollino - Operations Tech-ARM QC **Date Passed:** 12-Oct-2017

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

Reagent

vm569722_00012

Acc: 1/23/19

VM569722_00012

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569722 **Lot No.:** A0143158

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12) **CAS #** 75-71-8 (Lot 00012554) **Purity** 99%	2,500.9 µg/mL	+/- 17.2023 µg/mL +/- 140.5234 µg/mL +/- 143.7976 µg/mL	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) **CAS #** 74-87-3 (Lot SHBJ6334) **Purity** 99%	2,500.4 µg/mL	+/- 17.0791 µg/mL +/- 140.4796 µg/mL +/- 143.7534 µg/mL	Gravimetric Unstressed Stressed
3	Vinyl chloride **CAS #** 75-01-4 (Lot 00012557) **Purity** 99%	2,500.4 µg/mL	+/- 16.5693 µg/mL +/- 140.4224 µg/mL +/- 143.6977 µg/mL	Gravimetric Unstressed Stressed
4	1,3-Butadiene **CAS #** 106-99-0 (Lot SHBK2299) **Purity** 99%	2,500.1 µg/mL	+/- 17.0785 µg/mL +/- 140.4623 µg/mL +/- 143.7357 µg/mL	Gravimetric Unstressed Stressed
5	Bromomethane (methyl bromide) **CAS #** 74-83-9 (Lot 101604) **Purity** 99%	2,500.9 µg/mL	+/- 16.5511 µg/mL +/- 140.4457 µg/mL +/- 143.7217 µg/mL	Gravimetric Unstressed Stressed
6	Chloroethane (ethyl chloride) **CAS #** 75-00-3 (Lot 107-401039114-1) **Purity** 99%	2,502.0 µg/mL	+/- 16.0409 µg/mL +/- 140.4480 µg/mL +/- 143.7268 µg/mL	Gravimetric Unstressed Stressed
7	Dichlorofluoromethane (CFC-21) **CAS #** 75-43-4 (Lot 7766400) **Purity** 99%	2,500.0 µg/mL	+/- 14.5352 µg/mL +/- 140.1725 µg/mL +/- 143.4524 µg/mL	Gravimetric Unstressed Stressed

8	Trichlorofluoromethane (CFC-11)		2,500.8	µg/mL	+/-	17.8012	µg/mL	Gravimetric
	CAS # 75-69-4	(Lot SHBH4155V)			+/-	140.5946	µg/mL	Unstressed
	Purity 99%				+/-	143.8670	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

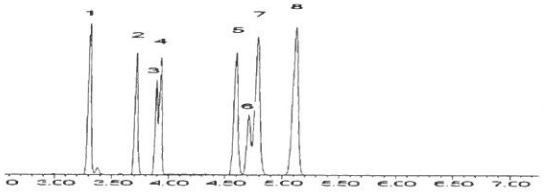
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Joseph Jaglowski - Mix Technician **Date Mixed:** 12-Nov-2018 **Balance:** B707717271

Jennifer Pollino - Operations Tech-ARM QC **Date Passed:** 11-Dec-2018

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

vm569722_00014

Rec: 9/9/19

VM569722-00014

Sent 9/17/19

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569722 **Lot No.:** A0146651

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12) **CAS #** 75-71-8 (Lot 00012554) **Purity** 99%	2,500.2 µg/mL	+/- 19.5056 µg/mL +/- 140.7858 µg/mL +/- 144.0522 µg/mL	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) **CAS #** 74-87-3 (Lot SHBJ6334) **Purity** 99%	2,501.5 µg/mL	+/- 20.4136 µg/mL +/- 140.9867 µg/mL +/- 144.2520 µg/mL	Gravimetric Unstressed Stressed
3	Vinyl chloride **CAS #** 75-01-4 (Lot 00012557) **Purity** 99%	2,502.6 µg/mL	+/- 19.3699 µg/mL +/- 140.9018 µg/mL +/- 144.1719 µg/mL	Gravimetric Unstressed Stressed
4	1,3-Butadiene **CAS #** 106-99-0 (Lot SHBK2299) **Purity** 99%	2,502.4 µg/mL	+/- 21.0409 µg/mL +/- 141.1253 µg/mL +/- 144.3895 µg/mL	Gravimetric Unstressed Stressed
5	Bromomethane (methyl bromide) **CAS #** 74-83-9 (Lot 101604) **Purity** 99%	2,501.9 µg/mL	+/- 18.1039 µg/mL +/- 140.6930 µg/mL +/- 143.9660 µg/mL	Gravimetric Unstressed Stressed
6	Chloroethane (ethyl chloride) **CAS #** 75-00-3 (Lot 107-401039114-1) **Purity** 99%	2,498.4 µg/mL	+/- 18.1959 µg/mL +/- 140.5102 µg/mL +/- 143.7782 µg/mL	Gravimetric Unstressed Stressed
7	Dichlorofluoromethane (CFC-21) **CAS #** 75-43-4 (Lot 7978700) **Purity** 99%	2,500.0 µg/mL	+/- 14.5352 µg/mL +/- 140.1725 µg/mL +/- 143.4524 µg/mL	Gravimetric Unstressed Stressed

8	Trichlorofluoromethane (CFC-11)		2,505.7	µg/mL	+/-	19.3191	µg/mL	Gravimetric
	CAS # 75-69-4	(Lot SHBH4155V)			+/-	141.0656	µg/mL	Unstressed
	Purity 99%				+/-	144.3399	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

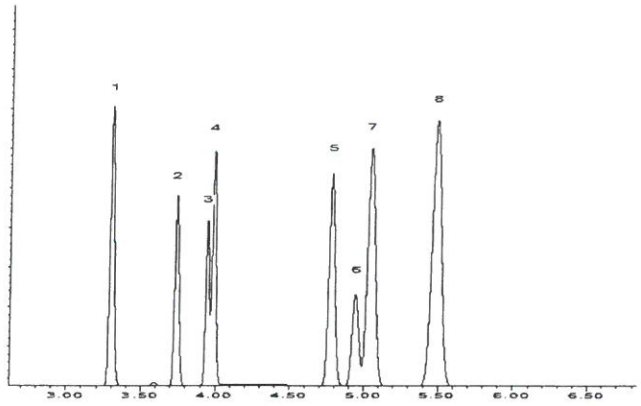
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 05-Mar-2019 **Balance:** B707717271

John Lidgett - AD Chemist

Date Passed: 12-Mar-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

vm569722S_00004

VM569722S-00004 Rec'd 7/12/16 (20)

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Catalog No. : 569722.sec **Lot No.:** A0115484

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500 ug/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2018 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12) **CAS #** 75-71-8.SEC (Lot 22274) **Purity** 99%	2,505.6 µg/mL	+/- 16.6251 µg/mL +/- 140.7169 µg/mL +/- 143.9990 µg/mL	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) **CAS #** 74-87-3.SEC (Lot 18343) **Purity** 99%	2,517.3 µg/mL	+/- 17.3796 µg/mL +/- 141.4522 µg/mL +/- 144.7477 µg/mL	Gravimetric Unstressed Stressed
3	Vinyl chloride **CAS #** 75-01-4.SEC (Lot MKBK6872V) **Purity** 99%	2,510.2 µg/mL	+/- 16.6342 µg/mL +/- 140.9727 µg/mL +/- 144.2609 µg/mL	Gravimetric Unstressed Stressed
4	1,3-Butadiene **CAS #** 106-99-0.SEC (Lot 22331) **Purity** 99%	2,516.5 µg/mL	+/- 17.4874 µg/mL +/- 141.4240 µg/mL +/- 144.7182 µg/mL	Gravimetric Unstressed Stressed
5	Bromomethane (methyl bromide) **CAS #** 74-83-9.SEC (Lot Q119-46) **Purity** 99%	2,511.5 µg/mL	+/- 16.8310 µg/mL +/- 141.0664 µg/mL +/- 144.3557 µg/mL	Gravimetric Unstressed Stressed
6	Chloroethane (ethyl chloride) **CAS #** 75-00-3.SEC (Lot 00004202) **Purity** 99%	2,504.8 µg/mL	+/- 16.4341 µg/mL +/- 140.6469 µg/mL +/- 143.9283 µg/mL	Gravimetric Unstressed Stressed
7	Dichlorofluoromethane (CFC-21) **CAS #** 75-43-4.SEC (Lot SHBC0858V) **Purity** 99%	2,500.5 µg/mL	+/- 16.1659 µg/mL +/- 140.3776 µg/mL +/- 143.6540 µg/mL	Gravimetric Unstressed Stressed

8	Trichlorofluoromethane (CFC-11)		2,524.5	µg/mL	+/- 16.8928	µg/mL	Gravimetric
	CAS # 75-69-4.SEC	(Lot Q12B-59)			+/- 141.7952	µg/mL	Unstressed
	Purity 99%				+/- 145.1017	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

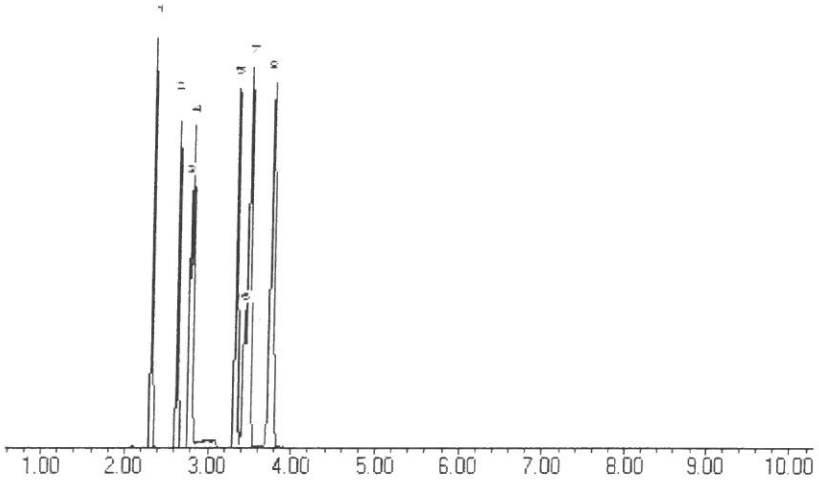
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Lane Kibe - Mix Technician

Date Mixed: 17-Nov-2015 **Balance:** 1127510105

Jennifer L. Pollino - QC Analyst

Date Passed: 10-Dec-2015

Manufactured under Restek's ISO 9001:2008
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Certificate #FM 80397

Reagent

vm569722S_00005

VM 569722S-0005 Rec: 7/17/17

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Catalog No. : 569722.SEC **Lot No.:** A0124116

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500 ug/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12) **CAS #** 75-71-8.SEC (Lot 23586) **Purity** 99%	2,503.4 µg/mL	+/- 19.5506 µg/mL +/- 140.9699 µg/mL +/- 144.2404 µg/mL	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) **CAS #** 74-87-3.SEC (Lot 18343) **Purity** 99%	2,508.1 µg/mL	+/- 21.1963 µg/mL +/- 141.4639 µg/mL +/- 144.7353 µg/mL	Gravimetric Unstressed Stressed
3	Vinyl chloride **CAS #** 75-01-4.SEC (Lot MKBK6872V) **Purity** 99%	2,518.6 µg/mL	+/- 19.4186 µg/mL +/- 141.7924 µg/mL +/- 145.0836 µg/mL	Gravimetric Unstressed Stressed
4	1,3-Butadiene **CAS #** 106-99-0.SEC (Lot 22331) **Purity** 99%	2,504.0 µg/mL	+/- 20.5722 µg/mL +/- 141.1450 µg/mL +/- 144.4130 µg/mL	Gravimetric Unstressed Stressed
5	Bromomethane (methyl bromide) **CAS #** 74-83-9.SEC (Lot Q119-46) **Purity** 99%	2,498.5 µg/mL	+/- 19.9806 µg/mL +/- 140.7602 µg/mL +/- 144.0229 µg/mL	Gravimetric Unstressed Stressed
6	Chloroethane (ethyl chloride) **CAS #** 75-00-3.SEC (Lot 00004202) **Purity** 99%	2,494.9 µg/mL	+/- 17.8868 µg/mL +/- 140.2786 µg/mL +/- 143.5429 µg/mL	Gravimetric Unstressed Stressed
7	Dichlorofluoromethane (CFC-21) **CAS #** 75-43-4.SEC (Lot SHBC0858V) **Purity** 99%	2,503.4 µg/mL	+/- 20.0421 µg/mL +/- 141.0350 µg/mL +/- 144.3039 µg/mL	Gravimetric Unstressed Stressed

8	Trichlorofluoromethane (CFC-11)		2,503.2	µg/mL	+/-	18.7037	µg/mL	Gravimetric
	CAS #	75-69-4.SEC (Lot Q12B-59)			+/-	140.8450	µg/mL	Unstressed
	Purity	99%			+/-	144.1179	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

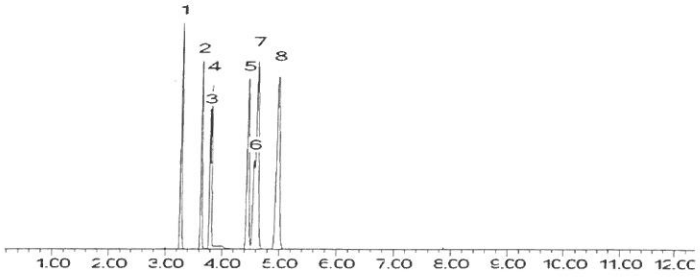
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish - Mix Technician — **Date Mixed:** 12-Jan-2017 **Balance:** 1127510105

Jennifer Pollino - Operations Tech-ARM QC — **Date Passed:** 17-Jan-2017

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

Reagent

vm569722S_00007

VM569722S-00007

Rec: 1-23-19

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Catalog No. : 569722.SEC **Lot No.:** A0142117

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dichlorodifluoromethane (CFC-12)	2,503.0 µg/mL	+/- 23.3708 µg/mL	Gravimetric
	CAS # 75-71-8.SEC (Lot 24847)		+/- 141.5277 µg/mL	Unstressed
	Purity 99%		+/- 144.7846 µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,497.4 µg/mL	+/- 25.3963 µg/mL	Gravimetric
	CAS # 74-87-3.SEC (Lot 18343)		+/- 141.5662 µg/mL	Unstressed
	Purity 99%		+/- 144.8078 µg/mL	Stressed
3	Vinyl chloride	2,501.8 µg/mL	+/- 19.5755 µg/mL	Gravimetric
	CAS # 75-01-4.SEC (Lot MKBK6872V)		+/- 140.8855 µg/mL	Unstressed
	Purity 99%		+/- 144.1539 µg/mL	Stressed
4	1,3-Butadiene	2,505.3 µg/mL	+/- 20.9927 µg/mL	Gravimetric
	CAS # 106-99-0.SEC (Lot 22331)		+/- 141.2797 µg/mL	Unstressed
	Purity 99%		+/- 144.5480 µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,498.6 µg/mL	+/- 25.6449 µg/mL	Gravimetric
	CAS # 74-83-9.SEC (Lot Q119-46)		+/- 141.6796 µg/mL	Unstressed
	Purity 99%		+/- 144.9218 µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,498.9 µg/mL	+/- 24.9623 µg/mL	Gravimetric
	CAS # 75-00-3.SEC (Lot 00004202)		+/- 141.5741 µg/mL	Unstressed
	Purity 99%		+/- 144.8194 µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,500.0 µg/mL	+/- 14.6714 µg/mL	Gravimetric
	CAS # 75-43-4 * (Lot 7766400)		+/- 140.1867 µg/mL	Unstressed
	Purity 99%		+/- 143.4662 µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,501.7 µg/mL	+/-	23.1926	µg/mL	Gravimetric
	CAS # 75-69-4.SEC	(Lot 253600)		+/-	141.4285	µg/mL	Unstressed
	Purity 99%			+/-	144.6844	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

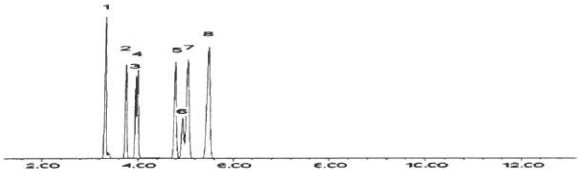
Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael J Maye

Date Mixed: 04-Oct-2018 **Balance:** 1127510105

Jennifer J Pollino
Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 08-Oct-2018

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

VM569723_00003

VM 569723-00003 Rec'd 11/12/15

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Catalog No. : 569723 **Lot No.:** A0112895

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500 ug/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2018 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Chloroethyl vinyl ether	2,503.2 µg/mL	+/- 14.6902	µg/mL	Gravimetric
	CAS # 110-75-8 (Lot MKBK2735V)		+/- 53.1239	µg/mL	Unstressed
	Purity 99%		+/- 53.3593	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

VM569723_00004

VM569723-00004 Rec: 5/16/16 (20)

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Catalog No. : 569723 **Lot No.:** A0115628

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500 ug/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2018 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Chloroethyl vinyl ether **CAS #** 110-75-8 (Lot MKBK2735V) **Purity** 99%	2,509.2 µg/mL	+/- 14.5887 µg/mL +/- 53.7223 µg/mL +/- 55.2841 µg/mL		Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

VM569723_00007

Rec: 12/4/18

vm569723_00007

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569723 **Lot No.:** A0133302

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Chloroethyl vinyl ether **CAS #** 110-75-8 (Lot MKBS6526V) **Purity** 98%	2,511.5 µg/mL	+/- 14.7391 µg/mL +/- 53.8098 µg/mL +/- 55.3720 µg/mL		Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

VM569723_00008

Rec: 9/9/19
VM569723-00008

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569723 **Lot No.:** A0146250

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Chloroethyl vinyl ether	2,500.0 µg/mL	+/- 14.5352	µg/mL	Gravimetric
	CAS # 110-75-8 (Lot MKBS6526V)		+/- 53.5253	µg/mL	Unstressed
	Purity 99%		+/- 55.0814	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

VM569723S_00006

VM569723S-00006 RCC: 9/9/20 (20)

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569723.sec **Lot No.:** A0115500

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500 ug/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2018 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Chloroethyl vinyl ether	2,501.5 µg/mL	+/- 14.5439	µg/mL	Gravimetric
	CAS # 110-75-8.SEC (Lot BQZ2K-QD)		+/- 53.5574	µg/mL	Unstressed
	Purity 99%		+/- 55.1144	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

VM569723S_00007

Rec! 5/24/17 (20)

VM569723 - 00007

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Catalog No. : 569723.SEC **Lot No.:** A0123884

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500 ug/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Chloroethyl vinyl ether	2,504.4 µg/mL	+/- 14.6972 µg/mL	Gravimetric
	CAS # 110-75-8.SEC (Lot BQZ2K-QD)		+/- 53.6567 µg/mL	Unstressed
	Purity 99%		+/- 55.2145 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

VM569723S_00008

Rec: 9/9/19
VM569723s-00008

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Catalog No. : 569723.SEC **Lot No.:** A0143264

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Chloroethyl vinyl ether	2,502.8 µg/mL	+/- 14.6878	µg/mL	Gravimetric
	CAS # 110-75-8.SEC (Lot BQZ2K-QD)		+/- 53.6224	µg/mL	Unstressed
	Purity 99%		+/- 55.1792	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

VM569724_00014

Rec'd 4/17/18 VM569724_00014

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Catalog No. : 569724 **Lot No.:** A0134268

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Vinyl acetate	5,014.0 µg/mL	+/- 29.3581	µg/mL	Gravimetric
	CAS # 108-05-4 (Lot STBD7333V)		+/- 302.5368	µg/mL	Unstressed
	Purity 99%		+/- 303.2550	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VM569724_00016

VM569724_ 05016 Rcd: 7/13/18

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569724 **Lot No.:** A0137562

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Vinyl acetate	5,020.0 µg/mL	+/- 29.4602	µg/mL	Gravimetric
	CAS # 108-05-4 (Lot STBD7333V)		+/- 302.9053	µg/mL	Unstressed
	Purity 99%		+/- 303.6243	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VM569724_00018

Rec: 2/15/19

VM569724_00018

(10)

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Catalog No. : 569724 **Lot No.:** A0144661

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2019 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Vinyl acetate	5,050.0 µg/mL	+/- 29.6362	µg/mL	Gravimetric
	CAS # 108-05-4 (Lot STBD7333V)		+/- 304.7155	µg/mL	Unstressed
	Purity 99%		+/- 305.4388	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VM569724_00024

Rcd 4-20-20 VM569724_00024

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Catalog No. : 569724 **Lot No.:** A0156559

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2021 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Vinyl acetate		5,040.0 µg/mL	+/- 29.5103	µg/mL	Gravimetric
	CAS # 108-05-4	(Lot 192709KJ)		+/- 304.1056	µg/mL	Unstressed
	Purity 99%			+/- 304.8275	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:
08 April 2020
Expiration date extended from July 31, 2020 to July 31, 2021.

Tech Tips:
Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VM569724S_00019

Rcvd: 7/13/18

VM5697245_00019

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569724.SEC **Lot No.:** A0137486

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Vinyl acetate	5,035.0 µg/mL	+/- 29.5482	µg/mL	Gravimetric
	CAS # 108-05-4.SEC (Lot F3Z5C)		+/- 303.8104	µg/mL	Unstressed
	Purity 99%		+/- 304.5316	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VM569724S_00022

Rec: 3/13/19
VMS69724S-00022

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Catalog No. : 569724.SEC **Lot No.:** A0144188

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2019 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Vinyl acetate	5,031.0 µg/mL	+/- 29.5247	µg/mL	Gravimetric
	CAS # 108-05-4.SEC (Lot F3Z5C)		+/- 303.5691	µg/mL	Unstressed
	Purity 99%		+/- 304.2897	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VM569724S_00029

Rec'd: 4/20/20 VM5697245_00029

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Catalog No. : 569724.SEC **Lot No.:** A0158728

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2021 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Vinyl acetate	5,034.0 µg/mL	+/- 29.5423	µg/mL	Gravimetric
	CAS # 108-05-4.SEC (Lot 190320CGKJ)		+/- 303.7501	µg/mL	Unstressed
	Purity 99%		+/- 304.4711	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:
08 April 2020
Expiration date extended from September 30, 2020 to September 30, 2021.

Tech Tips:
Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VM569727_00002

VM569727_00002 Rec: 11/29/16 (10)

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569727 **Lot No.:** A0118487

Description : 8260 List 2/ Std #3 Cyclohexanone (2015)

8260 List 2/ Std #3 Cyclohexanone (2015) 25,000 µg/ml, Water, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2019 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Cyclohexanone	25,000.4 µg/mL	+/- 146.3826 µg/mL	Gravimetric
	CAS # 108-94-1 (Lot MKBN5282V)		+/- 1,508.4819 µg/mL	Unstressed
	Purity 99%		+/- 1,512.0629 µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM569727_00003

VMS69727_0003 Rec'd 1/11/18

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Catalog No. : 569727 **Lot No.:** A0124672

Description : 8260 List 2/ Std #3 Cyclohexanone (2015)

8260 List 2/ Std #3 Cyclohexanone (2015) 25,000 µg/ml, Water, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2020 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)			
1	Cyclohexanone		25,006.0	µg/mL	+/- 146.4156	µg/mL	Gravimetric
	CAS # 108-94-1	(Lot MKBN5282V)			+/- 1,508.8223	µg/mL	Unstressed
	Purity 99%				+/- 1,512.4040	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM569727_00004

Rec: 9/9/19
VM569727_00004
(10)

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569727 **Lot No.:** A0145193

Description : 8260 List 2/ Std #3 Cyclohexanone (2015)

8260 List 2/ Std #3 Cyclohexanone (2015) 25,000µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2022 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Cyclohexanone		25,008.5 µg/mL	+/-	146.4305	µg/mL	Gravimetric
	CAS # 108-94-1	(Lot MKCD4357)		+/-	1,508.9751	µg/mL	Unstressed
	Purity 99%			+/-	1,512.5572	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM569727S_00002

VM569727S-00002 Exp: 1/31/18

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Catalog No. : 569727.SEC **Lot No.:** A0131573

Description : 8260 List 2/ Std #3 Cyclohexanone (2015)

8260 List 2/ Std #3 Cyclohexanone (2015) 25,000µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2020 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Cyclohexanone	24,978.0 µg/mL	+/- 146.2517 µg/mL	Gravimetric
	CAS # 108-94-1.SEC (Lot ZEHPG)		+/- 1,507.1328 µg/mL	Unstressed
	Purity 99%		+/- 1,510.7105 µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM569727S_00003

Rec: 8/23/18

VM569727S-00003

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Catalog No. : 569727.SEC **Lot No.:** A0136499

Description : 8260 List 2/ Std #3 Cyclohexanone (2015)

8260 List 2/ Std #3 Cyclohexanone (2015) 25,000µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2021 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Cyclohexanone	25,006.0 µg/mL	+/- 146.4156 µg/mL	Gravimetric
	CAS # 108-94-1.SEC (Lot U3QCA-PN)		+/- 1,508.8223 µg/mL	Unstressed
	Purity 99%		+/- 1,512.4040 µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM569727S_00004

Rec: 9/9/19 (14)
VM569727S - 0000Y

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569727.SEC **Lot No.:** A0144966

Description : 8260 List 2/ Std #3 Cyclohexanone (2015)

8260 List 2/ Std #3 Cyclohexanone (2015) 25,000µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2022 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Cyclohexanone	25,036.0 µg/mL	+/- 146.5913 µg/mL	Gravimetric
	CAS # 108-94-1.SEC (Lot ZEHPG)		+/- 1,510.6324 µg/mL	Unstressed
	Purity 99%		+/- 1,514.2184 µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

vm570806_00003

VM570806-00003 Rec: 12/1/17

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570806 **Lot No.:** A0126447

Description : 8260 List 2 / Std #4 Pentachloroethane

8260 List 2 / Std #4 Pentachloroethane 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachloroethane	2,519.0 µg/mL	+/- 14.7829 µg/mL	Gravimetric
	CAS # 76-01-7 (Lot 160830B-BL2)		+/- 141.2521 µg/mL	Unstressed
	Purity 99%		+/- 144.5566 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm570806_00004

VMS70806_00004 Rec: 6/15/19 10 vials

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Catalog No. : 570806 **Lot No.:** A0126447

Description : 8260 List 2 / Std #4 Pentachloroethane

8260 List 2 / Std #4 Pentachloroethane 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Pentachloroethane	2,519.0 µg/mL	+/- 14.7829	µg/mL	Gravimetric
	CAS # 76-01-7 (Lot 160830B-BL2)		+/- 141.2521	µg/mL	Unstressed
	Purity 99%		+/- 144.5566	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm570806S_00003

Rec: 12/1/17
VM5708065-00003

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570806.sec **Lot No.:** A0126373

Description : 8260 List 2 / Std #4 Pentachloroethane

8260 List 2 / Std #4 Pentachloroethane 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachloroethane	2,513.5 µg/mL	+/- 14.7506 µg/mL	Gravimetric
	CAS # 76-01-7.SEC (Lot 5854000)		+/- 140.9437 µg/mL	Unstressed
	Purity 99%		+/- 144.2410 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm570806S_00005

VM570806s-00005 Rec: 12/4/18

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570806.sec **Lot No.:** A0126373

Description : 8260 List 2 / Std #4 Pentachloroethane

8260 List 2 / Std #4 Pentachloroethane 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Pentachloroethane	2,513.5 µg/mL	+/- 14.7506	µg/mL	Gravimetric
	CAS # 76-01-7.SEC (Lot 5854000)		+/- 140.9437	µg/mL	Unstressed
	Purity 99%		+/- 144.2410	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm570807_00003

VM570807_00003
Rec: 12/1/17

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570807 **Lot No.:** A0125050

Description : 8260 List 2 / Std #5 Methylnaphthalenes

8260 List 2 / Std #5 Methylnaphthalenes 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Methylnaphthalene	2,511.8 µg/mL	+/- 14.7406	µg/mL	Gravimetric
	CAS # 91-57-6 (Lot STBF0201V)		+/- 140.8484	µg/mL	Unstressed
	Purity 95%		+/- 144.1434	µg/mL	Stressed
2	1-Methylnaphthalene	2,514.2 µg/mL	+/- 14.7547	µg/mL	Gravimetric
	CAS # 90-12-0 (Lot 523400-9)		+/- 140.9824	µg/mL	Unstressed
	Purity 98%		+/- 144.2806	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm570807_00004

Rec: 6/15/18 10 Vials

VM570807_00004

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570807 **Lot No.:** A0125050

Description : 8260 List 2 / Std #5 Methylnaphthalenes

8260 List 2 / Std #5 Methylnaphthalenes 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Methylnaphthalene **CAS #** 91-57-6 (Lot STBF0201V) **Purity** 95%	2,511.8 µg/mL	+/- 14.7406 µg/mL +/- 140.8484 µg/mL +/- 144.1434 µg/mL		Gravimetric Unstressed Stressed
2	1-Methylnaphthalene **CAS #** 90-12-0 (Lot 523400-9) **Purity** 98%	2,514.2 µg/mL	+/- 14.7547 µg/mL +/- 140.9824 µg/mL +/- 144.2806 µg/mL		Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm570807S_00003

VM570807S-00003 Rcc 12/1/17

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570807.sec **Lot No.:** A0126553

Description : 8260 List 2 / Std #5 Methylnaphthalenes

8260 List 2 / Std #5 Methylnaphthalenes 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Methylnaphthalene **CAS #** 91-57-6.SEC (Lot 76023-1) **Purity** 98%	2,451.0 µg/mL	+/- 14.3837 µg/mL +/- 137.4379 µg/mL +/- 140.6532 µg/mL	Gravimetric Unstressed Stressed
2	1-Methylnaphthalene **CAS #** 90-12-0.SEC (Lot UATSA) **Purity** 97%	2,507.5 µg/mL	+/- 14.7151 µg/mL +/- 140.6045 µg/mL +/- 143.8938 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm570807S_00004

VM570807s - 00004 Rec: 1/11/18

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570807.sec **Lot No.:** A0126553

Description : 8260 List 2 / Std #5 Methylnaphthalenes

8260 List 2 / Std #5 Methylnaphthalenes 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Methylnaphthalene	2,451.0 µg/mL	+/- 14.3837 µg/mL	Gravimetric
	CAS # 91-57-6.SEC (Lot 76023-1)		+/- 137.4379 µg/mL	Unstressed
	Purity 98%		+/- 140.6532 µg/mL	Stressed
2	1-Methylnaphthalene	2,507.5 µg/mL	+/- 14.7151 µg/mL	Gravimetric
	CAS # 90-12-0.SEC (Lot UATSA)		+/- 140.6045 µg/mL	Unstressed
	Purity 97%		+/- 143.8938 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm570807S_00005

VMS70807S-00005

Rec: 12/4/18

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570807.sec **Lot No.:** A0126553

Description : 8260 List 2 / Std #5 Methylnaphthalenes

8260 List 2 / Std #5 Methylnaphthalenes 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Methylnaphthalene	2,451.0 µg/mL	+/- 14.3837	µg/mL	Gravimetric
	CAS # 91-57-6.SEC (Lot 76023-1)		+/- 137.4379	µg/mL	Unstressed
	Purity 98%		+/- 140.6532	µg/mL	Stressed
2	1-Methylnaphthalene	2,507.5 µg/mL	+/- 14.7151	µg/mL	Gravimetric
	CAS # 90-12-0.SEC (Lot UATSA)		+/- 140.6045	µg/mL	Unstressed
	Purity 97%		+/- 143.8938	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM570808_00004

VM570808_00004 Rec: 1/11/18

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570808 **Lot No.:** A0132816

Description : 8260 List 2 / Std #6

8260 List 2 / Std #6 2,500-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2019 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Propanol (isopropanol) **CAS #** 67-63-0 (Lot SHBG8138V) **Purity** 99%	25,038.4 µg/mL	+/- 146.6053 µg/mL +/- 1,238.7172 µg/mL +/- 1,269.5131 µg/mL	Gravimetric Unstressed Stressed
2	Chloroprene (2-chloro-1,3-butadiene) **CAS #** 126-99-8 (Lot 170628JLM) **Purity** 99%	2,522.0 µg/mL	+/- 14.8005 µg/mL +/- 124.7741 µg/mL +/- 127.8760 µg/mL	Gravimetric Unstressed Stressed
3	Methacrylonitrile **CAS #** 126-98-7 (Lot 1012014) **Purity** 99%	25,034.4 µg/mL	+/- 146.5819 µg/mL +/- 1,238.5193 µg/mL +/- 1,269.3102 µg/mL	Gravimetric Unstressed Stressed
4	2,2,4-Trimethylpentane (isooctane) **CAS #** 540-84-1 (Lot SHBF8066V) **Purity** 99%	2,512.8 µg/mL	+/- 14.7465 µg/mL +/- 124.3190 µg/mL +/- 127.4095 µg/mL	Gravimetric Unstressed Stressed
5	1-Butanol **CAS #** 71-36-3 (Lot SHBH5137V) **Purity** 98%	62,503.6 µg/mL	+/- 365.9535 µg/mL +/- 3,092.2204 µg/mL +/- 3,169.0963 µg/mL	Gravimetric Unstressed Stressed
6	2-Nitropropane **CAS #** 79-46-9 (Lot BCBL0537V) **Purity** 98%	5,015.6 µg/mL	+/- 29.3677 µg/mL +/- 248.1373 µg/mL +/- 254.3062 µg/mL	Gravimetric Unstressed Stressed
7	1-Chlorohexane **CAS #** 544-10-5 (Lot 05107LK) **Purity** 98%	2,502.5 µg/mL	+/- 14.6862 µg/mL +/- 123.8108 µg/mL +/- 126.8886 µg/mL	Gravimetric Unstressed Stressed

8	1,2,3-Trimethylbenzene **CAS #** 526-73-8 **Purity** 97%	(Lot 877605-14)	2,505.7 µg/mL	+/- 14.7049 +/- 123.9679 +/- 127.0497	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Benzyl chloride **CAS #** 100-44-7 **Purity** 99%	(Lot SHBB7346V)	2,507.2 µg/mL	+/- 14.7137 +/- 124.0419 +/- 127.1255	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	1,3,5-Trichlorobenzene **CAS #** 108-70-3 **Purity** 99%	(Lot 11319AS)	2,502.4 µg/mL	+/- 14.6855 +/- 123.8044 +/- 126.8822	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

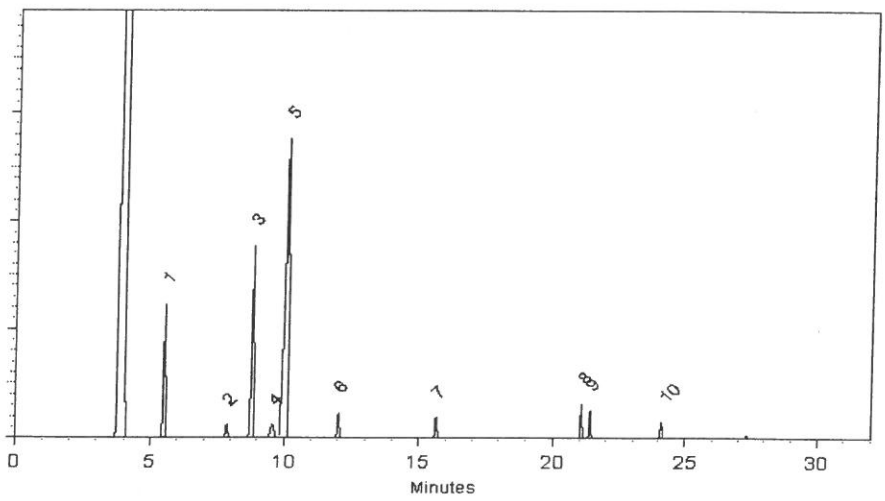
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cydnei L. Crust - Mix Technician

Date Mixed: 29-Nov-2017 **Balance:** B707717271

Amanda Miller - Operations Tech-ARM QC

Date Passed: 01-Dec-2017

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

Reagent

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Rec: 4-9-19
VMS70808_00005

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570808 **Lot No.:** A0145375

Description : 8260 List 2 / Std #6

8260 List 2 / Std #6 2,500-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Propanol (isopropanol)		25,151.3 µg/mL	+/- 147.2666 µg/mL		Gravimetric
	CAS # 67-63-0	(Lot SHBH7211)		+/- 1,244.3044 µg/mL		Unstressed
	Purity 99%			+/- 1,275.2391 µg/mL		Stressed
2	Chloroprene (2-chloro-1,3-butadiene)		2,508.0 µg/mL	+/- 14.7183 µg/mL		Gravimetric
	CAS # 126-99-8	(Lot 180921JLM)		+/- 124.0815 µg/mL		Unstressed
	Purity 99%			+/- 127.1661 µg/mL		Stressed
3	Methacrylonitrile		25,161.0 µg/mL	+/- 147.3232 µg/mL		Gravimetric
	CAS # 126-98-7	(Lot 1012014)		+/- 1,244.7826 µg/mL		Unstressed
	Purity 99%			+/- 1,275.7292 µg/mL		Stressed
4	2,2,4-Trimethylpentane (isooctane)		2,510.3 µg/mL	+/- 14.7320 µg/mL		Gravimetric
	CAS # 540-84-1	(Lot SHBF8066V)		+/- 124.1969 µg/mL		Unstressed
	Purity 99%			+/- 127.2844 µg/mL		Stressed
5	1-Butanol		62,638.0 µg/mL	+/- 366.7403 µg/mL		Gravimetric
	CAS # 71-36-3	(Lot SHBK1866)		+/- 3,098.8687 µg/mL		Unstressed
	Purity 99%			+/- 3,175.9100 µg/mL		Stressed
6	2-Nitropropane		5,032.0 µg/mL	+/- 29.4633 µg/mL		Gravimetric
	CAS # 79-46-9	(Lot BCBL0537V)		+/- 248.9453 µg/mL		Unstressed
	Purity 98%			+/- 255.1343 µg/mL		Stressed
7	1-Chlorohexane		2,510.4 µg/mL	+/- 14.7326 µg/mL		Gravimetric
	CAS # 544-10-5	(Lot 05107LK)		+/- 124.2019 µg/mL		Unstressed
	Purity 98%			+/- 127.2895 µg/mL		Stressed

8	1,2,3-Trimethylbenzene		2,514.7	µg/mL	+/-	14.7576	µg/mL	Gravimetric
	CAS # 526-73-8	(Lot 877605-12)			+/-	124.4120	µg/mL	Unstressed
	Purity 98%				+/-	127.5048	µg/mL	Stressed
9	Benzyl chloride		2,516.7	µg/mL	+/-	14.7692	µg/mL	Gravimetric
	CAS # 100-44-7	(Lot SHBB7346V)			+/-	124.5103	µg/mL	Unstressed
	Purity 99%				+/-	127.6055	µg/mL	Stressed
10	1,3,5-Trichlorobenzene		2,513.3	µg/mL	+/-	14.7496	µg/mL	Gravimetric
	CAS # 108-70-3	(Lot 11319AS)			+/-	124.3454	µg/mL	Unstressed
	Purity 99%				+/-	127.4365	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

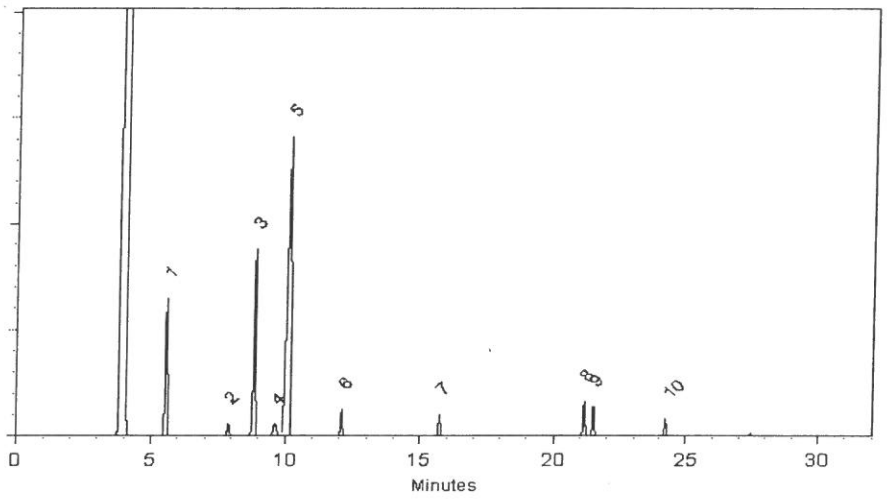
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cheryl Graham - Mix Technician

Date Mixed: 27-Jan-2019 **Balance:** B707717271

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 29-Jan-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

VM570808S_00004

VM570808S-00004 Rec 10/27/17

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570808.SEC **Lot No.:** A0126195

Description : 8260 List 2 / Std #6

8260 List 2 / Std #6 2500-62500 µg/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2018 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Propanol (isopropanol) **CAS #** 67-63-0.SEC (Lot NWVYK) **Purity** 98%	25,010.4 µg/mL	+/- 146.4413 µg/mL +/- 1,237.3312 µg/mL +/- 1,268.0926 µg/mL	Gravimetric Unstressed Stressed
2	Chloroprene (2-chloro-1,3-butadiene) **CAS #** 126-99-8 * (Lot 170113JLM) **Purity** 99%	2,519.6 µg/mL	+/- 14.7864 µg/mL +/- 124.6554 µg/mL +/- 127.7543 µg/mL	Gravimetric Unstressed Stressed
3	Methacrylonitrile **CAS #** 126-98-7 * (Lot 1012014) **Purity** 99%	25,013.6 µg/mL	+/- 146.4601 µg/mL +/- 1,237.4903 µg/mL +/- 1,268.2556 µg/mL	Gravimetric Unstressed Stressed
4	2,2,4-Trimethylpentane (Isooctane) **CAS #** 540-84-1.SEC (Lot 4597900) **Purity** 99%	2,502.4 µg/mL	+/- 14.6855 µg/mL +/- 123.8044 µg/mL +/- 126.8822 µg/mL	Gravimetric Unstressed Stressed
5	1-Butanol **CAS #** 71-36-3.SEC (Lot QBO2D) **Purity** 99%	62,532.0 µg/mL	+/- 366.1197 µg/mL +/- 3,093.6246 µg/mL +/- 3,170.5355 µg/mL	Gravimetric Unstressed Stressed
6	2-Nitropropane **CAS #** 79-46-9.SEC (Lot 6M3NJ) **Purity** 98%	5,012.9 µg/mL	+/- 29.3516 µg/mL +/- 248.0015 µg/mL +/- 254.1671 µg/mL	Gravimetric Unstressed Stressed
7	1-Chlorohexane **CAS #** 544-10-5.SEC (Lot 3890000) **Purity** 98%	2,507.6 µg/mL	+/- 14.7161 µg/mL +/- 124.0629 µg/mL +/- 127.1470 µg/mL	Gravimetric Unstressed Stressed

8	1,2,3-Trimethylbenzene **CAS #** 526-73-8.SEC **Purity** 96%	(Lot 5602500)	2,505.6 µg/mL	+/- 14.7043 +/- 123.9628 +/- 127.0444	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Benzyl chloride **CAS #** 100-44-7.SEC **Purity** 99%	(Lot H29N03)	2,506.4 µg/mL	+/- 14.7090 +/- 124.0023 +/- 127.0850	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	1,3,5-Trichlorobenzene **CAS #** 108-70-3.SEC **Purity** 99%	(Lot I28U021)	2,504.0 µg/mL	+/- 14.6949 +/- 123.8836 +/- 126.9633	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

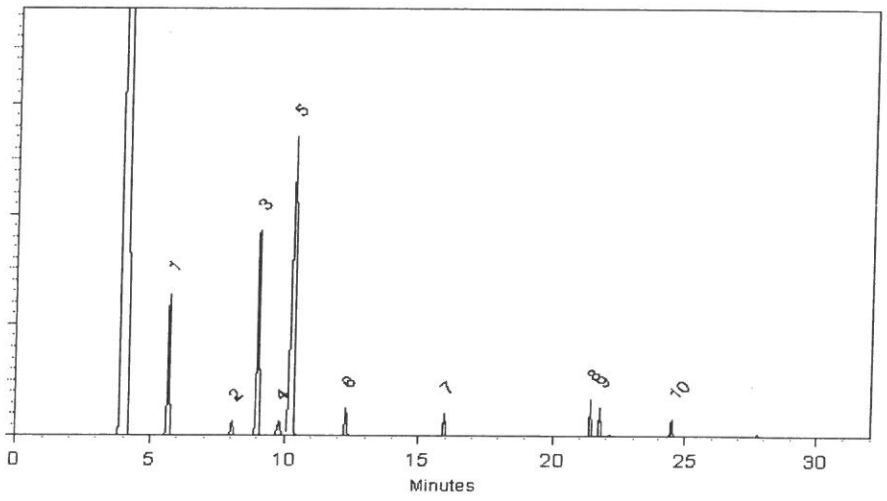
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish - Mix Technician **Date Mixed:** 27-Mar-2017 **Balance:** 1127510105

Jennifer Pollino - Operations Tech-ARM QC **Date Passed:** 29-Mar-2017

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

Reagent

VM570808S_00005

Rec: 6/15/18 10 vials

VM570808S-00005

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Catalog No. : 570808.SEC **Lot No.:** A0135368

Description : 8260 List 2 / Std #6

8260 List 2 / Std #6 2,500-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2019 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Propanol (isopropanol) **CAS #** 67-63-0.SEC (Lot NWVYK) **Purity** 98%	24,998.8 µg/mL	+/- 146.3736 µg/mL +/- 1,236.7591 µg/mL +/- 1,267.5062 µg/mL	Gravimetric Unstressed Stressed
2	Chloroprene (2-chloro-1,3-butadiene) **CAS #** 126-99-8 * (Lot 180302JLM) **Purity** 99%	2,521.5 µg/mL	+/- 14.7976 µg/mL +/- 124.7494 µg/mL +/- 127.8506 µg/mL	Gravimetric Unstressed Stressed
3	Methacrylonitrile **CAS #** 126-98-7 * (Lot 1012014) **Purity** 99%	25,005.5 µg/mL	+/- 146.4127 µg/mL +/- 1,237.0896 µg/mL +/- 1,267.8449 µg/mL	Gravimetric Unstressed Stressed
4	2,2,4-Trimethylpentane (Isooctane) **CAS #** 540-84-1.SEC (Lot 4597900) **Purity** 99%	2,511.0 µg/mL	+/- 14.7360 µg/mL +/- 124.2299 µg/mL +/- 127.3182 µg/mL	Gravimetric Unstressed Stressed
5	1-Butanol **CAS #** 71-36-3.SEC (Lot QBO2D) **Purity** 99%	62,527.5 µg/mL	+/- 366.0934 µg/mL +/- 3,093.4020 µg/mL +/- 3,170.3073 µg/mL	Gravimetric Unstressed Stressed
6	2-Nitropropane **CAS #** 79-46-9.SEC (Lot Y4YWD) **Purity** 98%	5,030.3 µg/mL	+/- 29.4537 µg/mL +/- 248.8645 µg/mL +/- 255.0515 µg/mL	Gravimetric Unstressed Stressed
7	1-Chlorohexane **CAS #** 544-10-5.SEC (Lot 3890000) **Purity** 98%	2,506.8 µg/mL	+/- 14.7115 µg/mL +/- 124.0241 µg/mL +/- 127.1073 µg/mL	Gravimetric Unstressed Stressed

8	1,2,3-Trimethylbenzene **CAS #** 526-73-8.SEC **Purity** 92%	(Lot 7110200)	2,497.8 µg/mL	+/- 14.6585 +/- 123.5769 +/- 126.6489	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Benzyl chloride **CAS #** 100-44-7.SEC **Purity** 99%	(Lot H29N03)	2,522.5 µg/mL	+/- 14.8034 +/- 124.7989 +/- 127.9013	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	1,3,5-Trichlorobenzene **CAS #** 108-70-3.SEC **Purity** 99%	(Lot I28U021)	2,515.0 µg/mL	+/- 14.7594 +/- 124.4278 +/- 127.5210	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

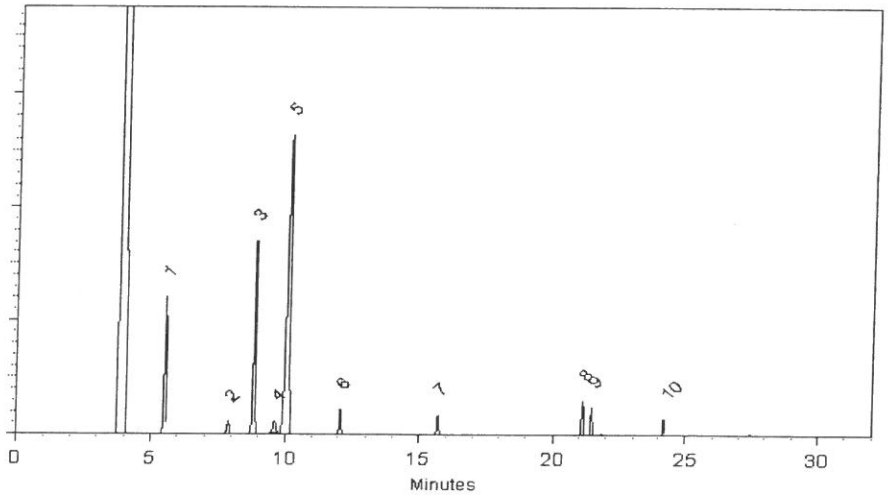
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Larry J. Moore - Mix Technician **Date Mixed:** 19-Feb-2018 **Balance:** 1127510105

Jennifer Pollino - Operations Tech-ARM QC **Date Passed:** 12-Mar-2018

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

Reagent

VM570808S_00007

Rec: 6/19/19
VM5708085-00007

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Catalog No. : 570808.SEC **Lot No.:** A0143097

Description : 8260 List 2 / Std #6

8260 List 2 / Std #6 2,500-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Propanol (isopropanol) **CAS #** 67-63-0.SEC (Lot NWVYK) **Purity** 99%	25,047.5 µg/mL	+/- 146.6586 µg/mL +/- 1,239.1674 µg/mL +/- 1,269.9744 µg/mL	Gravimetric Unstressed Stressed
2	Chloroprene (2-chloro-1,3-butadiene) **CAS #** 126-99-8 * (Lot 180921JLM) **Purity** 99%	2,509.0 µg/mL	+/- 14.7242 µg/mL +/- 124.1310 µg/mL +/- 127.2168 µg/mL	Gravimetric Unstressed Stressed
3	Methacrylonitrile **CAS #** 126-98-7 * (Lot 1012014) **Purity** 99%	25,031.0 µg/mL	+/- 146.5620 µg/mL +/- 1,238.3511 µg/mL +/- 1,269.1379 µg/mL	Gravimetric Unstressed Stressed
4	2,2,4-Trimethylpentane (Isooctane) **CAS #** 540-84-1.SEC (Lot 4597900) **Purity** 99%	2,513.5 µg/mL	+/- 14.7506 µg/mL +/- 124.3536 µg/mL +/- 127.4450 µg/mL	Gravimetric Unstressed Stressed
5	1-Butanol **CAS #** 71-36-3.SEC (Lot TOY3I) **Purity** 99%	62,799.0 µg/mL	+/- 367.6830 µg/mL +/- 3,106.8338 µg/mL +/- 3,184.0731 µg/mL	Gravimetric Unstressed Stressed
6	2-Nitropropane **CAS #** 79-46-9.SEC (Lot 6M3NJ) **Purity** 98%	5,003.9 µg/mL	+/- 29.2988 µg/mL +/- 247.5555 µg/mL +/- 253.7099 µg/mL	Gravimetric Unstressed Stressed
7	1-Chlorohexane **CAS #** 544-10-5.SEC (Lot 3890000) **Purity** 98%	2,501.9 µg/mL	+/- 14.6828 µg/mL +/- 123.7817 µg/mL +/- 126.8588 µg/mL	Gravimetric Unstressed Stressed

8	1,2,3-Trimethylbenzene **CAS #** 526-73-8.SEC **Purity** 97%	(Lot 7754800)	2,512.3 µg/mL	+/- 14.7436 +/- 124.2942 +/- 127.3841	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Benzyl chloride **CAS #** 100-44-7.SEC **Purity** 99%	(Lot H29N03)	2,501.0 µg/mL	+/- 14.6773 +/- 123.7352 +/- 126.8112	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	1,3,5-Trichlorobenzene **CAS #** 108-70-3.SEC **Purity** 99%	(Lot I28U021)	2,506.5 µg/mL	+/- 14.7095 +/- 124.0073 +/- 127.0900	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

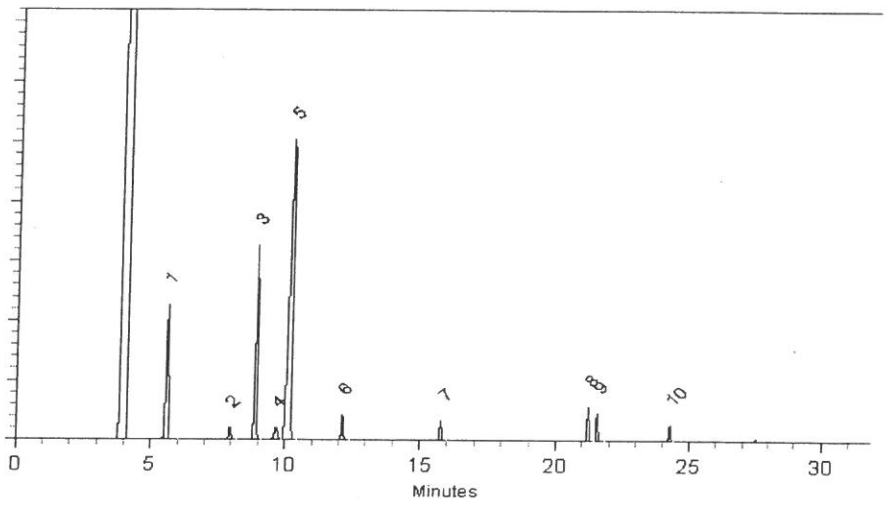
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Matt Fragassi - Mix Technician

Date Mixed: 08-Nov-2018 **Balance:** 1128342314

Diane Shaffer - Operations Tech-ARM QC

Date Passed: 13-Nov-2018

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

VM570809_00005

Rec: 1/11/18
V M570809_00005

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570809 **Lot No.:** A0131668

Description : 8260 List 2 / Std #7

8260 List 2 / Std #7 2,500-5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2019 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Ethyl acetate		5,019.0 µg/mL	+/- 29.3873	µg/mL	Gravimetric
	CAS # 141-78-6	(Lot SHBG6401V)		+/- 302.8385	µg/mL	Unstressed
	Purity 99%			+/- 303.5574	µg/mL	Stressed
2	Ethyl acrylate		2,521.0 µg/mL	+/- 14.7946	µg/mL	Gravimetric
	CAS # 140-88-5	(Lot 10129902)		+/- 152.1164	µg/mL	Unstressed
	Purity 99%			+/- 152.4775	µg/mL	Stressed
3	Methyl methacrylate		5,027.5 µg/mL	+/- 29.4371	µg/mL	Gravimetric
	CAS # 80-62-6	(Lot MKBV3172V)		+/- 303.3514	µg/mL	Unstressed
	Purity 99%			+/- 304.0715	µg/mL	Stressed
4	Butyl acetate		2,512.0 µg/mL	+/- 14.7418	µg/mL	Gravimetric
	CAS # 123-86-4	(Lot SHBH0056V)		+/- 151.5733	µg/mL	Unstressed
	Purity 99%			+/- 151.9331	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM570809_00006

Rec: 4/9/19
VM570809_00006

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Catalog No. : 570809 **Lot No.:** A0143198

Description : 8260 List 2 / Std #7

8260 List 2 / Std #7 2,500-5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Ethyl acetate **CAS #** 141-78-6 **Purity** 99%	(Lot SHBJ7347)	5,022.5 µg/mL	+/- 29.4078 µg/mL +/- 303.0497 µg/mL +/- 303.7691 µg/mL		Gravimetric Unstressed Stressed
2	Ethyl acrylate **CAS #** 140-88-5 **Purity** 99%	(Lot 10129902)	2,514.0 µg/mL	+/- 14.7536 µg/mL +/- 151.6940 µg/mL +/- 152.0541 µg/mL		Gravimetric Unstressed Stressed
3	Methyl methacrylate **CAS #** 80-62-6 **Purity** 99%	(Lot MKBH4379V)	5,019.5 µg/mL	+/- 29.3903 µg/mL +/- 302.8686 µg/mL +/- 303.5876 µg/mL		Gravimetric Unstressed Stressed
4	Butyl acetate **CAS #** 123-86-4 **Purity** 99%	(Lot SHBJ2076)	2,507.0 µg/mL	+/- 14.7125 µg/mL +/- 151.2716 µg/mL +/- 151.6307 µg/mL		Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM570809_00007

Rec: 4/20/20
VM570809_00007

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Catalog No. : 570809 **Lot No.:** A0156071

Description : 8260 List 2 / Std #7

8260 List 2 / Std #7 2,500-5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Ethyl acetate **CAS #** 141-78-6 (Lot SHBL1336) **Purity** 99%	5,015.6 µg/mL	+/- 29.3674 µg/mL +/- 302.6333 µg/mL +/- 303.3517 µg/mL	Gravimetric Unstressed Stressed
2	Ethyl acrylate **CAS #** 140-88-5 (Lot 10129902) **Purity** 99%	2,508.8 µg/mL	+/- 14.7230 µg/mL +/- 151.3803 µg/mL +/- 151.7396 µg/mL	Gravimetric Unstressed Stressed
3	Methyl methacrylate **CAS #** 80-62-6 (Lot MKCG6589) **Purity** 99%	5,015.2 µg/mL	+/- 29.3651 µg/mL +/- 302.6092 µg/mL +/- 303.3275 µg/mL	Gravimetric Unstressed Stressed
4	Butyl acetate **CAS #** 123-86-4 (Lot SHBK5137) **Purity** 99%	2,512.0 µg/mL	+/- 14.7418 µg/mL +/- 151.5733 µg/mL +/- 151.9331 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM570809S_00004

VM570809S-00004 Rec: 10/27/17

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Catalog No. : 570809.sec **Lot No.:** A0126533

Description : 8260 List 2 / Std #7

8260 List 2 / Std #7 2500-5000 µg/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2018 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Ethyl acetate **CAS #** 141-78-6.SEC **Purity** 99%	(Lot C386A-GG)	5,005.0 µg/mL	+/- 29.3054 µg/mL +/- 301.9937 µg/mL +/- 302.7106 µg/mL		Gravimetric Unstressed Stressed
2	Ethyl acrylate **CAS #** 140-88-5.SEC **Purity** 99%	(Lot YIFAM-TG)	2,502.0 µg/mL	+/- 14.6831 µg/mL +/- 150.9699 µg/mL +/- 151.3283 µg/mL		Gravimetric Unstressed Stressed
3	Methyl methacrylate **CAS #** 80-62-6.SEC **Purity** 99%	(Lot G01X021)	5,003.5 µg/mL	+/- 29.2966 µg/mL +/- 301.9032 µg/mL +/- 302.6199 µg/mL		Gravimetric Unstressed Stressed
4	Butyl acetate **CAS #** 123-86-4.SEC **Purity** 99%	(Lot V2L2G-GT)	2,505.0 µg/mL	+/- 14.7007 µg/mL +/- 151.1510 µg/mL +/- 151.5098 µg/mL		Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM570809S_00006

Rec: 10/4/18

VM570809S-00006

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Testing Laboratory
Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570809.SEC **Lot No.:** A0132887

Description : 8260 List 2 / Std #7

8260 List 2 / Std #7 2,500-5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2019 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Ethyl acetate **CAS #** 141-78-6.SEC (Lot C386A-GG) **Purity** 99%	5,015.5 µg/mL	+/- 29.3669 µg/mL +/- 302.6273 µg/mL +/- 303.3457 µg/mL	Gravimetric Unstressed Stressed
2	Ethyl acrylate **CAS #** 140-88-5.SEC (Lot YIFAM-TG) **Purity** 99%	2,515.0 µg/mL	+/- 14.7594 µg/mL +/- 151.7544 µg/mL +/- 152.1146 µg/mL	Gravimetric Unstressed Stressed
3	Methyl methacrylate **CAS #** 80-62-6.SEC (Lot G01X021) **Purity** 99%	5,026.5 µg/mL	+/- 29.4313 µg/mL +/- 303.2910 µg/mL +/- 304.0110 µg/mL	Gravimetric Unstressed Stressed
4	Butyl acetate **CAS #** 123-86-4.SEC (Lot V2L2G-GT) **Purity** 99%	2,508.0 µg/mL	+/- 14.7183 µg/mL +/- 151.3320 µg/mL +/- 151.6912 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM571992_00001

VM571992_00001 Rec'd 1-25-17

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992 **Lot No.:** A0123711

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1250-62500 µg/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2018 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7 (Lot SHBG1462V) **Purity** 99%	2,501.3 µg/mL	+/- 14.5425 µg/mL +/- 150.9115 µg/mL +/- 151.2698 µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1 (Lot 00009482) **Purity** 99%	2,505.1 µg/mL	+/- 14.5650 µg/mL +/- 151.1453 µg/mL +/- 151.5041 µg/mL	Gravimetric Unstressed Stressed
3	1,1-dichloroethene **CAS #** 75-35-4 (Lot SHBG8609V) **Purity** 99%	2,511.5 µg/mL	+/- 14.6021 µg/mL +/- 151.5299 µg/mL +/- 151.8897 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0 (Lot SHBF0688V) **Purity** 99%	25,001.8 µg/mL	+/- 145.3547 µg/mL +/- 1,508.4656 µg/mL +/- 1,512.0470 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9 (Lot SHBG4345V) **Purity** 99%	5,000.5 µg/mL	+/- 29.0733 µg/mL +/- 301.7023 µg/mL +/- 302.4186 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4 (Lot SHBF2149V) **Purity** 99%	2,502.9 µg/mL	+/- 14.5519 µg/mL +/- 151.0095 µg/mL +/- 151.3681 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1 (Lot SHBF8133V) **Purity** 99%	2,517.1 µg/mL	+/- 14.6348 µg/mL +/- 151.8693 µg/mL +/- 152.2299 µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane)		2,502.1 µg/mL	+/- 14.5476	µg/mL	Gravimetric
	CAS # 75-09-2	(Lot SHBH2578V)		+/- 150.9643	µg/mL	Unstressed
	Purity 99%			+/- 151.3227	µg/mL	Stressed
9	Carbon disulfide		2,501.4 µg/mL	+/- 14.5432	µg/mL	Gravimetric
	CAS # 75-15-0	(Lot S20A856)		+/- 150.9190	µg/mL	Unstressed
	Purity 99%			+/- 151.2773	µg/mL	Stressed
10	Acrylonitrile		25,001.3 µg/mL	+/- 145.3518	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot T07B2030)		+/- 1,508.4355	µg/mL	Unstressed
	Purity 99%			+/- 1,512.0167	µg/mL	Stressed
11	Methyl-tert-butyl ether (MTBE)		2,505.3 µg/mL	+/- 14.5657	µg/mL	Gravimetric
	CAS # 1634-04-4	(Lot SHBG2655V)		+/- 151.1528	µg/mL	Unstressed
	Purity 99%			+/- 151.5117	µg/mL	Stressed
12	cis-1,2-Dichloroethene		2,500.5 µg/mL	+/- 14.5379	µg/mL	Gravimetric
	CAS # 156-59-2	(Lot MKBV2831V)		+/- 150.8644	µg/mL	Unstressed
	Purity 98%			+/- 151.2226	µg/mL	Stressed
13	n-Hexane (C6)		2,503.8 µg/mL	+/- 14.5570	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot SHBG2674V)		+/- 151.0623	µg/mL	Unstressed
	Purity 99%			+/- 151.4210	µg/mL	Stressed
14	1,1-Dichloroethane		2,500.4 µg/mL	+/- 14.5374	µg/mL	Gravimetric
	CAS # 75-34-3	(Lot 00008621)		+/- 150.8587	µg/mL	Unstressed
	Purity 99%			+/- 151.2169	µg/mL	Stressed
15	2,2-Dichloropropane		2,501.0 µg/mL	+/- 14.5408	µg/mL	Gravimetric
	CAS # 594-20-7	(Lot BCBR0622V)		+/- 150.8940	µg/mL	Unstressed
	Purity 98%			+/- 151.2522	µg/mL	Stressed
16	trans-1,2-Dichloroethene		2,503.8 µg/mL	+/- 14.5570	µg/mL	Gravimetric
	CAS # 156-60-5	(Lot 09431AEV)		+/- 151.0623	µg/mL	Unstressed
	Purity 99%			+/- 151.4210	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,512.5 µg/mL	+/- 363.4341	µg/mL	Gravimetric
	CAS # 78-83-1	(Lot SHBG8201V)		+/- 3,771.6543	µg/mL	Unstressed
	Purity 99%			+/- 3,780.6088	µg/mL	Stressed
18	chloroform		2,501.9 µg/mL	+/- 14.5461	µg/mL	Gravimetric
	CAS # 67-66-3	(Lot MKBV2089V)		+/- 150.9492	µg/mL	Unstressed
	Purity 99%			+/- 151.3076	µg/mL	Stressed
19	Bromochloromethane		2,503.3 µg/mL	+/- 14.5541	µg/mL	Gravimetric
	CAS # 74-97-5	(Lot 00004559)		+/- 151.0322	µg/mL	Unstressed
	Purity 99%			+/- 151.3907	µg/mL	Stressed
20	Tetrahydrofuran		5,001.3 µg/mL	+/- 29.0777	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBG2910V)		+/- 301.7476	µg/mL	Unstressed
	Purity 99%			+/- 302.4640	µg/mL	Stressed
21	1,1,1-trichloroethane		2,500.3 µg/mL	+/- 14.5367	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot B15W12061)		+/- 150.8512	µg/mL	Unstressed
	Purity 99%			+/- 151.2093	µg/mL	Stressed
22	Cyclohexane		2,502.0 µg/mL	+/- 14.5468	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot MKBX4768V)		+/- 150.9567	µg/mL	Unstressed
	Purity 99%			+/- 151.3151	µg/mL	Stressed
23	1,1-Dichloropropene		2,500.5 µg/mL	+/- 14.5381	µg/mL	Gravimetric
	CAS # 563-58-6	(Lot 160727JLM)		+/- 150.8662	µg/mL	Unstressed
	Purity 99%			+/- 151.2244	µg/mL	Stressed

24	carbon tetrachloride **CAS #** 56-23-5 **Purity** 99%	(Lot SHBG1763V)	2,503.3 µg/mL	+/- 14.5541 +/- 151.0322 +/- 151.3907	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	n-Heptane (C7) **CAS #** 142-82-5 **Purity** 99%	(Lot SHBG6171V)	2,505.5 µg/mL	+/- 14.5672 +/- 151.1679 +/- 151.5268	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,2-Dichloroethane **CAS #** 107-06-2 **Purity** 99%	(Lot SHBF9313V)	2,504.8 µg/mL	+/- 14.5628 +/- 151.1227 +/- 151.4815	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	Benzene **CAS #** 71-43-2 **Purity** 99%	(Lot SHBH2056V)	2,506.9 µg/mL	+/- 14.5752 +/- 151.2509 +/- 151.6100	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Trichloroethene **CAS #** 79-01-6 **Purity** 99%	(Lot SHBH1955V)	2,502.4 µg/mL	+/- 14.5490 +/- 150.9794 +/- 151.3378	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	Methylcyclohexane **CAS #** 108-87-2 **Purity** 98%	(Lot SHBG0634V)	2,500.3 µg/mL	+/- 14.5372 +/- 150.8570 +/- 151.2152	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	1,2-Dichloropropane **CAS #** 78-87-5 **Purity** 99%	(Lot 01113D0V)	2,503.0 µg/mL	+/- 14.5527 +/- 151.0171 +/- 151.3756	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	1,4-Dioxane **CAS #** 123-91-1 **Purity** 99%	(Lot SHBH2584V)	50,011.4 µg/mL	+/- 290.7552 +/- 3,017.4064 +/- 3,024.5702	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	Dibromomethane **CAS #** 74-95-3 **Purity** 98%	(Lot 10183283)	2,501.9 µg/mL	+/- 14.5465 +/- 150.9531 +/- 151.3115	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	cis-1,3-Dichloropropene **CAS #** 10061-01-5 **Purity** 99%	(Lot 22622)	2,501.0 µg/mL	+/- 14.5410 +/- 150.8964 +/- 151.2547	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	Toluene **CAS #** 108-88-3 **Purity** 99%	(Lot SHBH1932V)	2,504.3 µg/mL	+/- 14.5599 +/- 151.0925 +/- 151.4512	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	Ethyl methacrylate **CAS #** 97-63-2 **Purity** 99%	(Lot SHBD9190V)	2,506.9 µg/mL	+/- 14.5752 +/- 151.2509 +/- 151.6100	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	trans-1,3-Dichloropropene **CAS #** 10061-02-6 **Purity** 99%	(Lot C584177)	2,503.6 µg/mL	+/- 14.5563 +/- 151.0548 +/- 151.4134	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	1,1,2-Trichloroethane **CAS #** 79-00-5 **Purity** 99%	(Lot FGB01)	2,501.0 µg/mL	+/- 14.5410 +/- 150.8964 +/- 151.2547	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
38	1,3-Dichloropropane **CAS #** 142-28-9 **Purity** 99%	(Lot BCBG2162V)	2,503.5 µg/mL	+/- 14.5556 +/- 151.0472 +/- 151.4059	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
39	Tetrachloroethene **CAS #** 127-18-4 **Purity** 99%	(Lot SHBD9374V)	2,500.9 µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

40	dibromochloromethane		2,500.2 µg/mL	+/-	14.5365	µg/mL	Gravimetric
	CAS # 124-48-1	(Lot MKBW3597V)		+/-	150.8497	µg/mL	Unstressed
	Purity 98%			+/-	151.2078	µg/mL	Stressed
41	1,2-Dibromoethane (EDB)		2,501.3 µg/mL	+/-	14.5425	µg/mL	Gravimetric
	CAS # 106-93-4	(Lot BCBH3877V)		+/-	150.9115	µg/mL	Unstressed
	Purity 99%			+/-	151.2698	µg/mL	Stressed
42	Chlorobenzene		2,500.1 µg/mL	+/-	14.5359	µg/mL	Gravimetric
	CAS # 108-90-7	(Lot SHBF0505V)		+/-	150.8436	µg/mL	Unstressed
	Purity 99%			+/-	151.2017	µg/mL	Stressed
43	m-Xylene		1,250.3 µg/mL	+/-	7.2691	µg/mL	Gravimetric
	CAS # 108-38-3	(Lot SHBG4347V)		+/-	75.4331	µg/mL	Unstressed
	Purity 99%			+/-	75.6122	µg/mL	Stressed
44	p-Xylene		1,251.3 µg/mL	+/-	7.2749	µg/mL	Gravimetric
	CAS # 106-42-3	(Lot SHBG3928V)		+/-	75.4935	µg/mL	Unstressed
	Purity 99%			+/-	75.6727	µg/mL	Stressed
45	Ethylbenzene		2,503.3 µg/mL	+/-	14.5541	µg/mL	Gravimetric
	CAS # 100-41-4	(Lot SHBG5920V)		+/-	151.0322	µg/mL	Unstressed
	Purity 99%			+/-	151.3907	µg/mL	Stressed
46	1,1,1,2-Tetrachloroethane		2,500.3 µg/mL	+/-	14.5367	µg/mL	Gravimetric
	CAS # 630-20-6	(Lot MKBS3769V)		+/-	150.8512	µg/mL	Unstressed
	Purity 99%			+/-	151.2093	µg/mL	Stressed
47	o-Xylene		2,504.9 µg/mL	+/-	14.5636	µg/mL	Gravimetric
	CAS # 95-47-6	(Lot SHBH3432V)		+/-	151.1302	µg/mL	Unstressed
	Purity 99%			+/-	151.4890	µg/mL	Stressed
48	Styrene		2,506.3 µg/mL	+/-	14.5716	µg/mL	Gravimetric
	CAS # 100-42-5	(Lot MKBS7097V)		+/-	151.2132	µg/mL	Unstressed
	Purity 99%			+/-	151.5722	µg/mL	Stressed
49	Isopropylbenzene (cumene)		2,501.6 µg/mL	+/-	14.5447	µg/mL	Gravimetric
	CAS # 98-82-8	(Lot 10185056)		+/-	150.9341	µg/mL	Unstressed
	Purity 99%			+/-	151.2925	µg/mL	Stressed
50	bromoform		2,502.9 µg/mL	+/-	14.5519	µg/mL	Gravimetric
	CAS # 75-25-2	(Lot SHBD8459V)		+/-	151.0095	µg/mL	Unstressed
	Purity 99%			+/-	151.3681	µg/mL	Stressed
51	bromodichloromethane		2,506.8 µg/mL	+/-	14.5750	µg/mL	Gravimetric
	CAS # 75-27-4	(Lot MKBW5506V)		+/-	151.2490	µg/mL	Unstressed
	Purity 97%			+/-	151.6081	µg/mL	Stressed
52	1,1,2,2-Tetrachloroethane		2,501.3 µg/mL	+/-	14.5425	µg/mL	Gravimetric
	CAS # 79-34-5	(Lot CFA4D)		+/-	150.9115	µg/mL	Unstressed
	Purity 99%			+/-	151.2698	µg/mL	Stressed
53	1,2,3-Trichloropropane		2,508.5 µg/mL	+/-	14.5846	µg/mL	Gravimetric
	CAS # 96-18-4	(Lot BCBH8722V)		+/-	151.3489	µg/mL	Unstressed
	Purity 99%			+/-	151.7082	µg/mL	Stressed
54	trans-1,4-dichloro-2-butene		2,500.8 µg/mL	+/-	14.5396	µg/mL	Gravimetric
	CAS # 110-57-6	(Lot MKBP6041V)		+/-	150.8817	µg/mL	Unstressed
	Purity 95%			+/-	151.2399	µg/mL	Stressed
55	n-Propylbenzene		2,501.9 µg/mL	+/-	14.5461	µg/mL	Gravimetric
	CAS # 103-65-1	(Lot MKBJ0332V)		+/-	150.9492	µg/mL	Unstressed
	Purity 99%			+/-	151.3076	µg/mL	Stressed

56	Bromobenzene **CAS #** 108-86-1 **Purity** 99%	(Lot MKBD4032V)	2,507.0 µg/mL	+/- 14.5759 +/- 151.2584 +/- 151.6175	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
57	1,3,5-Trimethylbenzene **CAS #** 108-67-8 **Purity** 99%	(Lot BCBQ2165V)	2,501.1 µg/mL	+/- 14.5418 +/- 150.9040 +/- 151.2622	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
58	2-Chlorotoluene **CAS #** 95-49-8 **Purity** 99%	(Lot MKBW5554V)	2,500.6 µg/mL	+/- 14.5388 +/- 150.8738 +/- 151.2320	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
59	4-Chlorotoluene **CAS #** 106-43-4 **Purity** 99%	(Lot MKBL7753V)	2,501.3 µg/mL	+/- 14.5425 +/- 150.9115 +/- 151.2698	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
60	tert-Butylbenzene **CAS #** 98-06-6 **Purity** 99%	(Lot S52237V)	2,507.0 µg/mL	+/- 14.5759 +/- 151.2584 +/- 151.6175	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
61	1,2,4-Trimethylbenzene **CAS #** 95-63-6 **Purity** 98%	(Lot MKBJ6229V)	2,500.8 µg/mL	+/- 14.5401 +/- 150.8866 +/- 151.2448	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
62	sec-Butylbenzene **CAS #** 135-98-8 **Purity** 99%	(Lot MKBR9260V)	2,505.4 µg/mL	+/- 14.5665 +/- 151.1604 +/- 151.5193	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
63	p-Isopropyltoluene (p-Cymene) **CAS #** 99-87-6 **Purity** 99%	(Lot MKBS2604V)	2,503.8 µg/mL	+/- 14.5570 +/- 151.0623 +/- 151.4210	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
64	1,3-Dichlorobenzene **CAS #** 541-73-1 **Purity** 99%	(Lot BCBM5751V)	2,503.9 µg/mL	+/- 14.5577 +/- 151.0699 +/- 151.4285	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
65	1,4-Dichlorobenzene **CAS #** 106-46-7 **Purity** 99%	(Lot MKBS1350V)	2,509.9 µg/mL	+/- 14.5926 +/- 151.4319 +/- 151.7914	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
66	n-Butylbenzene **CAS #** 104-51-8 **Purity** 99%	(Lot 09418JJV)	2,503.3 µg/mL	+/- 14.5541 +/- 151.0322 +/- 151.3907	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
67	1,2-Dichlorobenzene **CAS #** 95-50-1 **Purity** 99%	(Lot SHBD7331V)	2,503.8 µg/mL	+/- 14.5570 +/- 151.0623 +/- 151.4210	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
68	1,2-Dibromo-3-chloropropane **CAS #** 96-12-8 **Purity** 99%	(Lot FBL01)	2,505.0 µg/mL	+/- 14.5643 +/- 151.1378 +/- 151.4966	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
69	1,2,4-Trichlorobenzene **CAS #** 120-82-1 **Purity** 99%	(Lot SHBC5541V)	2,505.3 µg/mL	+/- 14.5657 +/- 151.1528 +/- 151.5117	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
70	Hexachlorobutadiene **CAS #** 87-68-3 **Purity** 98%	(Lot J31X013)	2,506.5 µg/mL	+/- 14.5728 +/- 151.2266 +/- 151.5856	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
71	Naphthalene **CAS #** 91-20-3 **Purity** 99%	(Lot MKBW2603V)	2,500.9 µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

72	1,2,3-Trichlorobenzene		2,511.1	µg/mL	+/-	14.5999	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot 12912PFV)			+/-	151.5073	µg/mL	Unstressed
	Purity 99%				+/-	151.8670	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

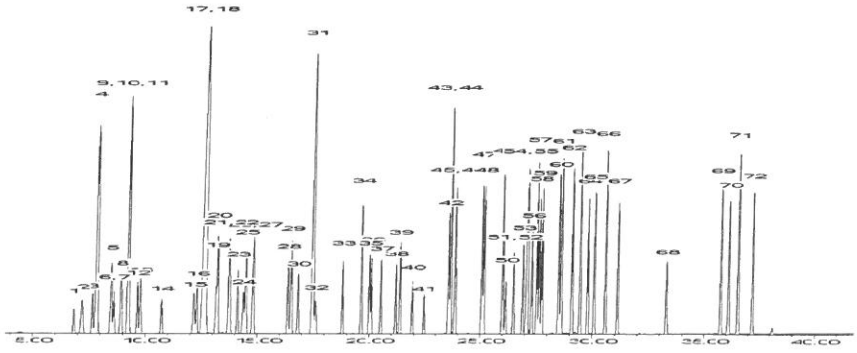
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

F. Joseph Tallon - Mix Technician **Date Mixed:** 22-Dec-2016 **Balance:** B251644995

Jennifer Pollino - Operations Tech-ARM QC **Date Passed:** 04-Jan-2017

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

Reagent

VM571992_00002

Rec: 6/15/18 20 vials

VMS71992_00002

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992 **Lot No.:** A0123711

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2019 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7 (Lot SHBG1462V) **Purity** 99%	2,501.3 µg/mL	+/- 14.5425 +/- 150.9115 +/- 151.2698	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1 (Lot 00009482) **Purity** 99%	2,505.1 µg/mL	+/- 14.5650 +/- 151.1453 +/- 151.5041	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	1,1-dichloroethene **CAS #** 75-35-4 (Lot SHBG8609V) **Purity** 99%	2,511.5 µg/mL	+/- 14.6021 +/- 151.5299 +/- 151.8897	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0 (Lot SHBF0688V) **Purity** 99%	25,001.8 µg/mL	+/- 145.3547 +/- 1,508.4656 +/- 1,512.0470	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9 (Lot SHBG4345V) **Purity** 99%	5,000.5 µg/mL	+/- 29.0733 +/- 301.7023 +/- 302.4186	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4 (Lot SHBF2149V) **Purity** 99%	2,502.9 µg/mL	+/- 14.5519 +/- 151.0095 +/- 151.3681	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1 (Lot SHBF8133V) **Purity** 99%	2,517.1 µg/mL	+/- 14.6348 +/- 151.8693 +/- 152.2299	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane) **CAS #** 75-09-2 **Purity** 99%	(Lot SHBH2578V)	2,502.1 µg/mL	+/- 14.5476 +/- 150.9643 +/- 151.3227	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Carbon disulfide **CAS #** 75-15-0 **Purity** 99%	(Lot S20A856)	2,501.4 µg/mL	+/- 14.5432 +/- 150.9190 +/- 151.2773	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Acrylonitrile **CAS #** 107-13-1 **Purity** 99%	(Lot T07B2030)	25,001.3 µg/mL	+/- 145.3518 +/- 1,508.4355 +/- 1,512.0167	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Methyl-tert-butyl ether (MTBE) **CAS #** 1634-04-4 **Purity** 99%	(Lot SHBG2655V)	2,505.3 µg/mL	+/- 14.5657 +/- 151.1528 +/- 151.5117	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	cis-1,2-Dichloroethene **CAS #** 156-59-2 **Purity** 98%	(Lot MKBV2831V)	2,500.5 µg/mL	+/- 14.5379 +/- 150.8644 +/- 151.2226	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	n-Hexane (C6) **CAS #** 110-54-3 **Purity** 99%	(Lot SHBG2674V)	2,503.8 µg/mL	+/- 14.5570 +/- 151.0623 +/- 151.4210	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	1,1-Dichloroethane **CAS #** 75-34-3 **Purity** 99%	(Lot 00008621)	2,500.4 µg/mL	+/- 14.5374 +/- 150.8587 +/- 151.2169	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	2,2-Dichloropropane **CAS #** 594-20-7 **Purity** 98%	(Lot BCBR0622V)	2,501.0 µg/mL	+/- 14.5408 +/- 150.8940 +/- 151.2522	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	trans-1,2-Dichloroethene **CAS #** 156-60-5 **Purity** 99%	(Lot 09431AEV)	2,503.8 µg/mL	+/- 14.5570 +/- 151.0623 +/- 151.4210	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Isobutanol (2-Methyl-1-propanol) **CAS #** 78-83-1 **Purity** 99%	(Lot SHBG8201V)	62,512.5 µg/mL	+/- 363.4341 +/- 3,771.6543 +/- 3,780.6088	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	chloroform **CAS #** 67-66-3 **Purity** 99%	(Lot MKBV2089V)	2,501.9 µg/mL	+/- 14.5461 +/- 150.9492 +/- 151.3076	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Bromochloromethane **CAS #** 74-97-5 **Purity** 99%	(Lot 00004559)	2,503.3 µg/mL	+/- 14.5541 +/- 151.0322 +/- 151.3907	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Tetrahydrofuran **CAS #** 109-99-9 **Purity** 99%	(Lot SHBG2910V)	5,001.3 µg/mL	+/- 29.0777 +/- 301.7476 +/- 302.4640	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	1,1,1-trichloroethane **CAS #** 71-55-6 **Purity** 99%	(Lot B15W12061)	2,500.3 µg/mL	+/- 14.5367 +/- 150.8512 +/- 151.2093	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	Cyclohexane **CAS #** 110-82-7 **Purity** 99%	(Lot MKBX4768V)	2,502.0 µg/mL	+/- 14.5468 +/- 150.9567 +/- 151.3151	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	1,1-Dichloropropene **CAS #** 563-58-6 **Purity** 99%	(Lot 160727JLM)	2,500.5 µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	carbon tetrachloride **CAS #** 56-23-5 **Purity** 99%	(Lot SHBG1763V)	2,503.3 µg/mL	+/- 14.5541 +/- 151.0322 +/- 151.3907	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	n-Heptane (C7) **CAS #** 142-82-5 **Purity** 99%	(Lot SHBG6171V)	2,505.5 µg/mL	+/- 14.5672 +/- 151.1679 +/- 151.5268	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,2-Dichloroethane **CAS #** 107-06-2 **Purity** 99%	(Lot SHBF9313V)	2,504.8 µg/mL	+/- 14.5628 +/- 151.1227 +/- 151.4815	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	Benzene **CAS #** 71-43-2 **Purity** 99%	(Lot SHBH2056V)	2,506.9 µg/mL	+/- 14.5752 +/- 151.2509 +/- 151.6100	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Trichloroethene **CAS #** 79-01-6 **Purity** 99%	(Lot SHBH1955V)	2,502.4 µg/mL	+/- 14.5490 +/- 150.9794 +/- 151.3378	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	Methylcyclohexane **CAS #** 108-87-2 **Purity** 98%	(Lot SHBG0634V)	2,500.3 µg/mL	+/- 14.5372 +/- 150.8570 +/- 151.2152	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	1,2-Dichloropropane **CAS #** 78-87-5 **Purity** 99%	(Lot 01113D0V)	2,503.0 µg/mL	+/- 14.5527 +/- 151.0171 +/- 151.3756	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	1,4-Dioxane **CAS #** 123-91-1 **Purity** 99%	(Lot SHBH2584V)	50,011.4 µg/mL	+/- 290.7552 +/- 3,017.4064 +/- 3,024.5702	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	Dibromomethane **CAS #** 74-95-3 **Purity** 98%	(Lot 10183283)	2,501.9 µg/mL	+/- 14.5465 +/- 150.9531 +/- 151.3115	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	cis-1,3-Dichloropropene **CAS #** 10061-01-5 **Purity** 99%	(Lot 22622)	2,501.0 µg/mL	+/- 14.5410 +/- 150.8964 +/- 151.2547	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	Toluene **CAS #** 108-88-3 **Purity** 99%	(Lot SHBH1932V)	2,504.3 µg/mL	+/- 14.5599 +/- 151.0925 +/- 151.4512	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	Ethyl methacrylate **CAS #** 97-63-2 **Purity** 99%	(Lot SHBD9190V)	2,506.9 µg/mL	+/- 14.5752 +/- 151.2509 +/- 151.6100	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	trans-1,3-Dichloropropene **CAS #** 10061-02-6 **Purity** 99%	(Lot C584177)	2,503.6 µg/mL	+/- 14.5563 +/- 151.0548 +/- 151.4134	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	1,1,2-Trichloroethane **CAS #** 79-00-5 **Purity** 99%	(Lot FGB01)	2,501.0 µg/mL	+/- 14.5410 +/- 150.8964 +/- 151.2547	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
38	1,3-Dichloropropane **CAS #** 142-28-9 **Purity** 99%	(Lot BCBG2162V)	2,503.5 µg/mL	+/- 14.5556 +/- 151.0472 +/- 151.4059	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
39	Tetrachloroethene **CAS #** 127-18-4 **Purity** 99%	(Lot SHBD9374V)	2,500.9 µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

40	dibromochloromethane **CAS #** 124-48-1 **Purity** 98%	(Lot MKBW3597V)	2,500.2 µg/mL	+/- 14.5365 +/- 150.8497 +/- 151.2078	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
41	1,2-Dibromoethane (EDB) **CAS #** 106-93-4 **Purity** 99%	(Lot BCBH3877V)	2,501.3 µg/mL	+/- 14.5425 +/- 150.9115 +/- 151.2698	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
42	Chlorobenzene **CAS #** 108-90-7 **Purity** 99%	(Lot SHBF0505V)	2,500.1 µg/mL	+/- 14.5359 +/- 150.8436 +/- 151.2017	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
43	m-Xylene **CAS #** 108-38-3 **Purity** 99%	(Lot SHBG4347V)	1,250.3 µg/mL	+/- 7.2691 +/- 75.4331 +/- 75.6122	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
44	p-Xylene **CAS #** 106-42-3 **Purity** 99%	(Lot SHBG3928V)	1,251.3 µg/mL	+/- 7.2749 +/- 75.4935 +/- 75.6727	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
45	Ethylbenzene **CAS #** 100-41-4 **Purity** 99%	(Lot SHBG5920V)	2,503.3 µg/mL	+/- 14.5541 +/- 151.0322 +/- 151.3907	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
46	1,1,1,2-Tetrachloroethane **CAS #** 630-20-6 **Purity** 99%	(Lot MKBS3769V)	2,500.3 µg/mL	+/- 14.5367 +/- 150.8512 +/- 151.2093	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
47	o-Xylene **CAS #** 95-47-6 **Purity** 99%	(Lot SHBH3432V)	2,504.9 µg/mL	+/- 14.5636 +/- 151.1302 +/- 151.4890	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
48	Styrene **CAS #** 100-42-5 **Purity** 99%	(Lot MKBS7097V)	2,506.3 µg/mL	+/- 14.5716 +/- 151.2132 +/- 151.5722	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
49	Isopropylbenzene (cumene) **CAS #** 98-82-8 **Purity** 99%	(Lot 10185056)	2,501.6 µg/mL	+/- 14.5447 +/- 150.9341 +/- 151.2925	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
50	bromoform **CAS #** 75-25-2 **Purity** 99%	(Lot SHBD8459V)	2,502.9 µg/mL	+/- 14.5519 +/- 151.0095 +/- 151.3681	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
51	bromodichloromethane **CAS #** 75-27-4 **Purity** 97%	(Lot MKBW5506V)	2,506.8 µg/mL	+/- 14.5750 +/- 151.2490 +/- 151.6081	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
52	1,1,2,2-Tetrachloroethane **CAS #** 79-34-5 **Purity** 99%	(Lot CFA4D)	2,501.3 µg/mL	+/- 14.5425 +/- 150.9115 +/- 151.2698	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
53	1,2,3-Trichloropropane **CAS #** 96-18-4 **Purity** 99%	(Lot BCBH8722V)	2,508.5 µg/mL	+/- 14.5846 +/- 151.3489 +/- 151.7082	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
54	trans-1,4-dichloro-2-butene **CAS #** 110-57-6 **Purity** 95%	(Lot MKBP6041V)	2,500.8 µg/mL	+/- 14.5396 +/- 150.8817 +/- 151.2399	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
55	n-Propylbenzene **CAS #** 103-65-1 **Purity** 99%	(Lot MKBJ0332V)	2,501.9 µg/mL	+/- 14.5461 +/- 150.9492 +/- 151.3076	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

56	Bromobenzene		2,507.0 µg/mL	+/- 14.5759	µg/mL	Gravimetric
	CAS # 108-86-1	(Lot MKBD4032V)		+/- 151.2584	µg/mL	Unstressed
	Purity 99%			+/- 151.6175	µg/mL	Stressed
57	1,3,5-Trimethylbenzene		2,501.1 µg/mL	+/- 14.5418	µg/mL	Gravimetric
	CAS # 108-67-8	(Lot BCBQ2165V)		+/- 150.9040	µg/mL	Unstressed
	Purity 99%			+/- 151.2622	µg/mL	Stressed
58	2-Chlorotoluene		2,500.6 µg/mL	+/- 14.5388	µg/mL	Gravimetric
	CAS # 95-49-8	(Lot MKBW5554V)		+/- 150.8738	µg/mL	Unstressed
	Purity 99%			+/- 151.2320	µg/mL	Stressed
59	4-Chlorotoluene		2,501.3 µg/mL	+/- 14.5425	µg/mL	Gravimetric
	CAS # 106-43-4	(Lot MKBL7753V)		+/- 150.9115	µg/mL	Unstressed
	Purity 99%			+/- 151.2698	µg/mL	Stressed
60	tert-Butylbenzene		2,507.0 µg/mL	+/- 14.5759	µg/mL	Gravimetric
	CAS # 98-06-6	(Lot S52237V)		+/- 151.2584	µg/mL	Unstressed
	Purity 99%			+/- 151.6175	µg/mL	Stressed
61	1,2,4-Trimethylbenzene		2,500.8 µg/mL	+/- 14.5401	µg/mL	Gravimetric
	CAS # 95-63-6	(Lot MKBJ6229V)		+/- 150.8866	µg/mL	Unstressed
	Purity 98%			+/- 151.2448	µg/mL	Stressed
62	sec-Butylbenzene		2,505.4 µg/mL	+/- 14.5665	µg/mL	Gravimetric
	CAS # 135-98-8	(Lot MKBR9260V)		+/- 151.1604	µg/mL	Unstressed
	Purity 99%			+/- 151.5193	µg/mL	Stressed
63	p-Isopropyltoluene (p-Cymene)		2,503.8 µg/mL	+/- 14.5570	µg/mL	Gravimetric
	CAS # 99-87-6	(Lot MKBS2604V)		+/- 151.0623	µg/mL	Unstressed
	Purity 99%			+/- 151.4210	µg/mL	Stressed
64	1,3-Dichlorobenzene		2,503.9 µg/mL	+/- 14.5577	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCBM5751V)		+/- 151.0699	µg/mL	Unstressed
	Purity 99%			+/- 151.4285	µg/mL	Stressed
65	1,4-Dichlorobenzene		2,509.9 µg/mL	+/- 14.5926	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS1350V)		+/- 151.4319	µg/mL	Unstressed
	Purity 99%			+/- 151.7914	µg/mL	Stressed
66	n-Butylbenzene		2,503.3 µg/mL	+/- 14.5541	µg/mL	Gravimetric
	CAS # 104-51-8	(Lot 09418JJV)		+/- 151.0322	µg/mL	Unstressed
	Purity 99%			+/- 151.3907	µg/mL	Stressed
67	1,2-Dichlorobenzene		2,503.8 µg/mL	+/- 14.5570	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBD7331V)		+/- 151.0623	µg/mL	Unstressed
	Purity 99%			+/- 151.4210	µg/mL	Stressed
68	1,2-Dibromo-3-chloropropane		2,505.0 µg/mL	+/- 14.5643	µg/mL	Gravimetric
	CAS # 96-12-8	(Lot FBL01)		+/- 151.1378	µg/mL	Unstressed
	Purity 99%			+/- 151.4966	µg/mL	Stressed
69	1,2,4-Trichlorobenzene		2,505.3 µg/mL	+/- 14.5657	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBC5541V)		+/- 151.1528	µg/mL	Unstressed
	Purity 99%			+/- 151.5117	µg/mL	Stressed
70	Hexachlorobutadiene		2,506.5 µg/mL	+/- 14.5728	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot J31X013)		+/- 151.2266	µg/mL	Unstressed
	Purity 98%			+/- 151.5856	µg/mL	Stressed
71	Naphthalene		2,500.9 µg/mL	+/- 14.5403	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKBW2603V)		+/- 150.8889	µg/mL	Unstressed
	Purity 99%			+/- 151.2471	µg/mL	Stressed

72	1,2,3-Trichlorobenzene		2,511.1 µg/mL	+/-	14.5999	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot 12912PFV)		+/-	151.5073	µg/mL	Unstressed
	Purity 99%			+/-	151.8670	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

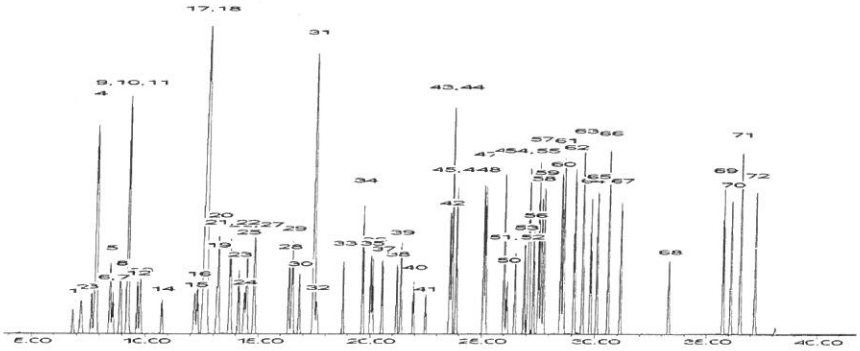
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

F. Joseph Tallon - Mix Technician **Date Mixed:** 22-Dec-2016 **Balance:** B251644995

Jennifer Pollino - Operations Tech-ARM QC **Date Passed:** 04-Jan-2017

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

VM571992_00003

Rec: 5/31/19
VM571992_00003

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Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992 **Lot No.:** A0143774

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7 (Lot SHBJ5713) **Purity** 99%	2,500.6 µg/mL	+/- 14.5388 µg/mL +/- 150.8738 µg/mL +/- 151.2320 µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1 (Lot 00009482) **Purity** 99%	2,501.6 µg/mL	+/- 14.5447 µg/mL +/- 150.9341 µg/mL +/- 151.2925 µg/mL	Gravimetric Unstressed Stressed
3	1,1-dichloroethene **CAS #** 75-35-4 (Lot SHBG8609V) **Purity** 99%	2,501.9 µg/mL	+/- 14.5461 µg/mL +/- 150.9492 µg/mL +/- 151.3076 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0 (Lot SHBJ9404) **Purity** 99%	25,008.1 µg/mL	+/- 145.3918 µg/mL +/- 1,508.8503 µg/mL +/- 1,512.4325 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9 (Lot SHBG4345V) **Purity** 99%	5,000.8 µg/mL	+/- 29.0748 µg/mL +/- 301.7174 µg/mL +/- 302.4337 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4 (Lot SHBH4362V) **Purity** 99%	2,500.6 µg/mL	+/- 14.5388 µg/mL +/- 150.8738 µg/mL +/- 151.2320 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1 (Lot WXBB7852V) **Purity** 99%	2,502.0 µg/mL	+/- 14.5468 µg/mL +/- 150.9567 µg/mL +/- 151.3151 µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane)		2,500.8	µg/mL	+/-	14.5396	µg/mL	Gravimetric
	CAS # 75-09-2	(Lot SHBK5095)			+/-	150.8813	µg/mL	Unstressed
	Purity 99%				+/-	151.2395	µg/mL	Stressed
9	Carbon disulfide		2,501.1	µg/mL	+/-	14.5418	µg/mL	Gravimetric
	CAS # 75-15-0	(Lot U22D706)			+/-	150.9040	µg/mL	Unstressed
	Purity 99%				+/-	151.2622	µg/mL	Stressed
10	Acrylonitrile		25,010.4	µg/mL	+/-	145.4049	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot R15D047)			+/-	1,508.9860	µg/mL	Unstressed
	Purity 99%				+/-	1,512.5686	µg/mL	Stressed
11	Methyl-tert-butyl ether (MTBE)		2,500.3	µg/mL	+/-	14.5367	µg/mL	Gravimetric
	CAS # 1634-04-4	(Lot SHBH9526)			+/-	150.8512	µg/mL	Unstressed
	Purity 99%				+/-	151.2093	µg/mL	Stressed
12	cis-1,2-Dichloroethene		2,501.3	µg/mL	+/-	14.5425	µg/mL	Gravimetric
	CAS # 156-59-2	(Lot MKBX5945V)			+/-	150.9115	µg/mL	Unstressed
	Purity 99%				+/-	151.2698	µg/mL	Stressed
13	n-Hexane (C6)		2,500.8	µg/mL	+/-	14.5396	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot SHBH8106)			+/-	150.8813	µg/mL	Unstressed
	Purity 99%				+/-	151.2395	µg/mL	Stressed
14	1,1-Dichloroethane		2,500.4	µg/mL	+/-	14.5374	µg/mL	Gravimetric
	CAS # 75-34-3	(Lot 462600)			+/-	150.8587	µg/mL	Unstressed
	Purity 99%				+/-	151.2169	µg/mL	Stressed
15	2,2-Dichloropropane		2,500.9	µg/mL	+/-	14.5403	µg/mL	Gravimetric
	CAS # 594-20-7	(Lot BCBT5124)			+/-	150.8889	µg/mL	Unstressed
	Purity 99%				+/-	151.2471	µg/mL	Stressed
16	trans-1,2-Dichloroethene		2,500.3	µg/mL	+/-	14.5367	µg/mL	Gravimetric
	CAS # 156-60-5	(Lot MKBH9850V)			+/-	150.8512	µg/mL	Unstressed
	Purity 99%				+/-	151.2093	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,500.9	µg/mL	+/-	363.3665	µg/mL	Gravimetric
	CAS # 78-83-1	(Lot SHBK0551)			+/-	3,770.9529	µg/mL	Unstressed
	Purity 99%				+/-	3,779.9058	µg/mL	Stressed
18	chloroform		2,500.5	µg/mL	+/-	14.5381	µg/mL	Gravimetric
	CAS # 67-66-3	(Lot SHBJ9076)			+/-	150.8662	µg/mL	Unstressed
	Purity 99%				+/-	151.2244	µg/mL	Stressed
19	Bromochloromethane		2,500.6	µg/mL	+/-	14.5387	µg/mL	Gravimetric
	CAS # 74-97-5	(Lot 00008541)			+/-	150.8718	µg/mL	Unstressed
	Purity 98%				+/-	151.2300	µg/mL	Stressed
20	Tetrahydrofuran		5,000.6	µg/mL	+/-	29.0741	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBJ6179)			+/-	301.7099	µg/mL	Unstressed
	Purity 99%				+/-	302.4262	µg/mL	Stressed
21	1,1,1-trichloroethane		2,500.8	µg/mL	+/-	14.5396	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot B15W12061)			+/-	150.8813	µg/mL	Unstressed
	Purity 99%				+/-	151.2395	µg/mL	Stressed
22	Cyclohexane		2,500.9	µg/mL	+/-	14.5403	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot MKCC9660)			+/-	150.8889	µg/mL	Unstressed
	Purity 99%				+/-	151.2471	µg/mL	Stressed
23	1,1-Dichloropropene		2,500.6	µg/mL	+/-	14.5388	µg/mL	Gravimetric
	CAS # 563-58-6	(Lot 180531JLM)			+/-	150.8738	µg/mL	Unstressed
	Purity 99%				+/-	151.2320	µg/mL	Stressed

24	carbon tetrachloride **CAS #** 56-23-5 **Purity** 99%	(Lot SHBJ2110)	2,501.1	µg/mL	+/- 14.5418 +/- 150.9040 +/- 151.2622	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	n-Heptane (C7) **CAS #** 142-82-5 **Purity** 99%	(Lot SHBJ2424)	2,501.6	µg/mL	+/- 14.5447 +/- 150.9341 +/- 151.2925	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,2-Dichloroethane **CAS #** 107-06-2 **Purity** 99%	(Lot SHBJ0707)	2,501.3	µg/mL	+/- 14.5425 +/- 150.9115 +/- 151.2698	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	Benzene **CAS #** 71-43-2 **Purity** 99%	(Lot SHBJ5344)	2,500.9	µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Trichloroethene **CAS #** 79-01-6 **Purity** 99%	(Lot SHBH1955V)	2,500.5	µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	Methylcyclohexane **CAS #** 108-87-2 **Purity** 99%	(Lot SHBJ0457)	2,501.6	µg/mL	+/- 14.5447 +/- 150.9341 +/- 151.2925	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	1,2-Dichloropropane **CAS #** 78-87-5 **Purity** 99%	(Lot BCBR0882V)	2,500.5	µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	1,4-Dioxane **CAS #** 123-91-1 **Purity** 99%	(Lot SHBJ7415)	50,001.1	µg/mL	+/- 290.6957 +/- 3,016.7880 +/- 3,023.9503	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	Dibromomethane **CAS #** 74-95-3 **Purity** 99%	(Lot 10201030)	2,502.0	µg/mL	+/- 14.5468 +/- 150.9567 +/- 151.3151	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	cis-1,3-Dichloropropene **CAS #** 10061-01-5 **Purity** 99%	(Lot 25076)	2,501.4	µg/mL	+/- 14.5432 +/- 150.9190 +/- 151.2773	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	Toluene **CAS #** 108-88-3 **Purity** 99%	(Lot SHBJ5659)	2,500.1	µg/mL	+/- 14.5359 +/- 150.8436 +/- 151.2017	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	Ethyl methacrylate **CAS #** 97-63-2 **Purity** 99%	(Lot 69796APV)	2,502.8	µg/mL	+/- 14.5512 +/- 151.0020 +/- 151.3605	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	trans-1,3-Dichloropropene **CAS #** 10061-02-6 **Purity** 98%	(Lot C797620)	2,500.6	µg/mL	+/- 14.5387 +/- 150.8718 +/- 151.2300	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	1,1,2-Trichloroethane **CAS #** 79-00-5 **Purity** 99%	(Lot FGB01)	2,500.4	µg/mL	+/- 14.5374 +/- 150.8587 +/- 151.2169	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
38	1,3-Dichloropropane **CAS #** 142-28-9 **Purity** 99%	(Lot BCBG2162V)	2,500.9	µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
39	Tetrachloroethene **CAS #** 127-18-4 **Purity** 99%	(Lot SHBH9691)	2,501.0	µg/mL	+/- 14.5410 +/- 150.8964 +/- 151.2547	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

40	dibromochloromethane **CAS #** 124-48-1 **Purity** 98%	(Lot MKCC0877)	2,502.4	µg/mL	+/- +/- +/-	14.5493 150.9827 151.3411	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
41	1,2-Dibromoethane (EDB) **CAS #** 106-93-4 **Purity** 99%	(Lot BCBH3877V)	2,500.4	µg/mL	+/- +/- +/-	14.5374 150.8587 151.2169	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
42	Chlorobenzene **CAS #** 108-90-7 **Purity** 99%	(Lot SHBH4459V)	2,501.1	µg/mL	+/- +/- +/-	14.5418 150.9040 151.2622	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
43	m-Xylene **CAS #** 108-38-3 **Purity** 99%	(Lot SHBJ2338)	1,251.5	µg/mL	+/- +/- +/-	7.2763 75.5085 75.6878	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
44	p-Xylene **CAS #** 106-42-3 **Purity** 99%	(Lot SHBJ0052)	1,250.1	µg/mL	+/- +/- +/-	7.2683 75.4256 75.6047	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
45	Ethylbenzene **CAS #** 100-41-4 **Purity** 99%	(Lot SHBJ3183)	2,500.0	µg/mL	+/- +/- +/-	14.5352 150.8361 151.1942	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
46	1,1,1,2-Tetrachloroethane **CAS #** 630-20-6 **Purity** 99%	(Lot MKBS3769V)	2,500.0	µg/mL	+/- +/- +/-	14.5352 150.8361 151.1942	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
47	o-Xylene **CAS #** 95-47-6 **Purity** 99%	(Lot SHBH7231)	2,500.8	µg/mL	+/- +/- +/-	14.5396 150.8813 151.2395	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
48	Styrene **CAS #** 100-42-5 **Purity** 99%	(Lot MKCC9766)	2,500.0	µg/mL	+/- +/- +/-	14.5352 150.8361 151.1942	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
49	Isopropylbenzene (cumene) **CAS #** 98-82-8 **Purity** 99%	(Lot 10185056)	2,500.1	µg/mL	+/- +/- +/-	14.5359 150.8436 151.2017	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
50	bromoform **CAS #** 75-25-2 **Purity** 99%	(Lot SHBG3138V)	2,501.0	µg/mL	+/- +/- +/-	14.5410 150.8964 151.2547	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
51	bromodichloromethane **CAS #** 75-27-4 **Purity** 99%	(Lot MKCF8470)	2,501.6	µg/mL	+/- +/- +/-	14.5447 150.9341 151.2925	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
52	1,1,2,2-Tetrachloroethane **CAS #** 79-34-5 **Purity** 99%	(Lot CFA4D)	2,500.5	µg/mL	+/- +/- +/-	14.5381 150.8662 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
53	1,2,3-Trichloropropane **CAS #** 96-18-4 **Purity** 99%	(Lot BCBH8722V)	2,501.3	µg/mL	+/- +/- +/-	14.5425 150.9115 151.2698	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
54	trans-1,4-dichloro-2-butene **CAS #** 110-57-6 **Purity** 94%	(Lot MKBX7788V)	2,500.0	µg/mL	+/- +/- +/-	14.5355 150.8389 151.1971	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
55	n-Propylbenzene **CAS #** 103-65-1 **Purity** 99%	(Lot WXBC3346V)	2,500.0	µg/mL	+/- +/- +/-	14.5352 150.8361 151.1942	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

56	Bromobenzene **CAS #** 108-86-1 **Purity** 99%	(Lot WXBC5147V)	2,500.1 µg/mL	+/- 14.5359 +/- 150.8436 +/- 151.2017	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
57	1,3,5-Trimethylbenzene **CAS #** 108-67-8 **Purity** 99%	(Lot BCBS7648V)	2,500.5 µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
58	2-Chlorotoluene **CAS #** 95-49-8 **Purity** 99%	(Lot MKBW5554V)	2,500.1 µg/mL	+/- 14.5359 +/- 150.8436 +/- 151.2017	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
59	4-Chlorotoluene **CAS #** 106-43-4 **Purity** 99%	(Lot MKBL7753V)	2,500.9 µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
60	tert-Butylbenzene **CAS #** 98-06-6 **Purity** 99%	(Lot STBD6954V)	2,500.1 µg/mL	+/- 14.5359 +/- 150.8436 +/- 151.2017	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
61	1,2,4-Trimethylbenzene **CAS #** 95-63-6 **Purity** 97%	(Lot MKBH5027V)	2,499.9 µg/mL	+/- 14.5348 +/- 150.8320 +/- 151.1901	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
62	sec-Butylbenzene **CAS #** 135-98-8 **Purity** 99%	(Lot MKBR9260V)	2,501.1 µg/mL	+/- 14.5418 +/- 150.9040 +/- 151.2622	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
63	p-Isopropyltoluene (p-Cymene) **CAS #** 99-87-6 **Purity** 99%	(Lot MKBV3556V)	2,501.1 µg/mL	+/- 14.5418 +/- 150.9040 +/- 151.2622	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
64	1,3-Dichlorobenzene **CAS #** 541-73-1 **Purity** 99%	(Lot BCBQ7100V)	2,501.4 µg/mL	+/- 14.5432 +/- 150.9190 +/- 151.2773	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
65	1,4-Dichlorobenzene **CAS #** 106-46-7 **Purity** 99%	(Lot MKBS4401V)	2,501.5 µg/mL	+/- 14.5439 +/- 150.9266 +/- 151.2849	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
66	n-Butylbenzene **CAS #** 104-51-8 **Purity** 99%	(Lot 09804AE)	2,501.0 µg/mL	+/- 14.5410 +/- 150.8964 +/- 151.2547	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
67	1,2-Dichlorobenzene **CAS #** 95-50-1 **Purity** 99%	(Lot SHBG3111V)	2,502.9 µg/mL	+/- 14.5519 +/- 151.0095 +/- 151.3681	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
68	1,2-Dibromo-3-chloropropane **CAS #** 96-12-8 **Purity** 99%	(Lot FBL01)	2,502.0 µg/mL	+/- 14.5468 +/- 150.9567 +/- 151.3151	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
69	1,2,4-Trichlorobenzene **CAS #** 120-82-1 **Purity** 99%	(Lot SHBJ9215)	2,502.1 µg/mL	+/- 14.5476 +/- 150.9643 +/- 151.3227	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
70	Hexachlorobutadiene **CAS #** 87-68-3 **Purity** 99%	(Lot J31X013)	2,501.5 µg/mL	+/- 14.5439 +/- 150.9266 +/- 151.2849	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
71	Naphthalene **CAS #** 91-20-3 **Purity** 99%	(Lot MKBZ8680V)	2,502.8 µg/mL	+/- 14.5512 +/- 151.0020 +/- 151.3605	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

72	1,2,3-Trichlorobenzene		2,502.5	µg/mL	+/-	14.5498	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)			+/-	150.9869	µg/mL	Unstressed
	Purity 99%				+/-	151.3454	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

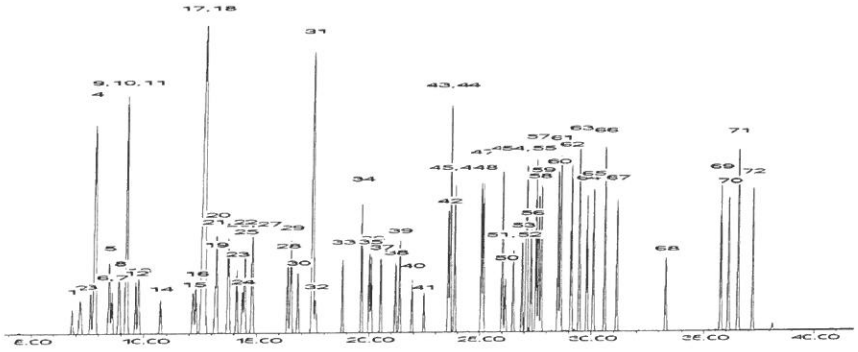
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

F. Joseph Tallon - Mix Technician **Date Mixed:** 05-Dec-2018 **Balance:** B251644995

Diane Shaffer - Operations Tech-ARM QC **Date Passed:** 21-Dec-2018

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

VM571992S_00002

Rec: 5/24/17

VMS71992S-00002

(10)

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992.sec **Lot No.:** A0123775

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1250-62500 µg/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2018 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7.SEC (Lot F23X068) **Purity** 98%	2,501.2 µg/mL	+/- 14.5422 +/- 150.9088 +/- 151.2671	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1.SEC (Lot 18342) **Purity** 99%	2,501.1 µg/mL	+/- 14.5418 +/- 150.9040 +/- 151.2622	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	1,1-Dichloroethene **CAS #** 75-35-4.SEC (Lot 2767000) **Purity** 99%	2,500.5 µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0.SEC (Lot XYXDO) **Purity** 98%	25,003.1 µg/mL	+/- 145.3626 +/- 1,508.5475 +/- 1,512.1291	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9.SEC (Lot YDGVD) **Purity** 99%	5,000.4 µg/mL	+/- 29.0726 +/- 301.6948 +/- 302.4111	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4.SEC (Lot Y25A027) **Purity** 99%	2,500.4 µg/mL	+/- 14.5374 +/- 150.8587 +/- 151.2169	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1.SEC (Lot VEBOC) **Purity** 98%	2,500.1 µg/mL	+/- 14.5358 +/- 150.8423 +/- 151.2004	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane) **CAS #** 75-09-2.SEC (Lot FGM02) **Purity** 99%		2,500.8 µg/mL	+/- 14.5396 +/- 150.8813 +/- 151.2395	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Carbon disulfide **CAS #** 75-15-0.SEC **Purity** 99%	(Lot MKBL1376V)	2,500.9 µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Acrylonitrile **CAS #** 107-13-1.SEC **Purity** 99%	(Lot UERIL)	25,000.9 µg/mL	+/- 145.3496 +/- 1,508.4128 +/- 1,511.9941	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Methyl-tert-butyl ether (MTBE) **CAS #** 1634-04-4.SEC **Purity** 99%	(Lot ZAQTA-MS)	2,500.0 µg/mL	+/- 14.5352 +/- 150.8361 +/- 151.1942	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	cis-1,2-Dichloroethene **CAS #** 156-59-2.SEC **Purity** 98%	(Lot HGC01-BLKT)	2,500.7 µg/mL	+/- 14.5394 +/- 150.8792 +/- 151.2374	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	n-Hexane (C6) **CAS #** 110-54-3.SEC **Purity** 99%	(Lot 10188491)	2,501.5 µg/mL	+/- 14.5439 +/- 150.9266 +/- 151.2849	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	1,1-Dichloroethane **CAS #** 75-34-3.SEC **Purity** 99%	(Lot 5379000)	2,500.3 µg/mL	+/- 14.5367 +/- 150.8512 +/- 151.2093	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	2,2-Dichloropropane **CAS #** 594-20-7.SEC **Purity** 98%	(Lot 17E8E)	2,500.1 µg/mL	+/- 14.5358 +/- 150.8423 +/- 151.2004	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	trans-1,2-Dichloroethene **CAS #** 156-60-5.SEC **Purity** 97%	(Lot TS5UB)	2,500.2 µg/mL	+/- 14.5362 +/- 150.8466 +/- 151.2048	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Isobutanol (2-Methyl-1-propanol) **CAS #** 78-83-1.SEC **Purity** 99%	(Lot 83NHH)	62,506.9 µg/mL	+/- 363.4014 +/- 3,771.3149 +/- 3,780.2687	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	Chloroform **CAS #** 67-66-3.SEC **Purity** 99%	(Lot 1297547)	2,500.1 µg/mL	+/- 14.5359 +/- 150.8436 +/- 151.2017	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Bromochloromethane **CAS #** 74-97-5.SEC **Purity** 99%	(Lot 5670200)	2,501.1 µg/mL	+/- 14.5418 +/- 150.9040 +/- 151.2622	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Tetrahydrofuran **CAS #** 109-99-9.SEC **Purity** 99%	(Lot K3V7J-SJ)	5,002.3 µg/mL	+/- 29.0835 +/- 301.8079 +/- 302.5245	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	1,1,1-Trichloroethane **CAS #** 71-55-6.SEC **Purity** 98%	(Lot CS160712)	2,500.7 µg/mL	+/- 14.5394 +/- 150.8792 +/- 151.2374	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	Cyclohexane **CAS #** 110-82-7.SEC **Purity** 99%	(Lot YADRA)	2,501.0 µg/mL	+/- 14.5410 +/- 150.8964 +/- 151.2547	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	1,1-Dichloropropene **CAS #** 563-58-6.SEC **Purity** 96%	(Lot 5221100)	2,501.3 µg/mL	+/- 14.5427 +/- 150.9133 +/- 151.2716	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	Carbon tetrachloride **CAS #** 56-23-5.SEC **Purity** 99%	(Lot 11466)	2,500.5	µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	n-Heptane (C7) **CAS #** 142-82-5.SEC **Purity** 99%	(Lot OGM01)	2,500.5	µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,2-Dichloroethane **CAS #** 107-06-2.SEC **Purity** 99%	(Lot FO6PK)	2,500.1	µg/mL	+/- 14.5359 +/- 150.8436 +/- 151.2017	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	Benzene **CAS #** 71-43-2.SEC **Purity** 99%	(Lot B28Y008)	2,501.5	µg/mL	+/- 14.5439 +/- 150.9266 +/- 151.2849	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Trichloroethene **CAS #** 79-01-6.SEC **Purity** 99%	(Lot H04X050)	2,501.0	µg/mL	+/- 14.5410 +/- 150.8964 +/- 151.2547	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	Methylcyclohexane **CAS #** 108-87-2.SEC **Purity** 99%	(Lot 24MSD-CD)	2,500.9	µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	1,2-Dichloropropane **CAS #** 78-87-5.SEC **Purity** 99%	(Lot OGG01)	2,501.1	µg/mL	+/- 14.5418 +/- 150.9040 +/- 151.2622	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	1,4-Dioxane **CAS #** 123-91-1.SEC **Purity** 99%	(Lot MUFZH)	50,007.1	µg/mL	+/- 290.7305 +/- 3,017.1500 +/- 3,024.3132	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	Dibromomethane **CAS #** 74-95-3.SEC **Purity** 99%	(Lot FGI01-OICH)	2,501.6	µg/mL	+/- 14.5447 +/- 150.9341 +/- 151.2925	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	cis-1,3-Dichloropropene **CAS #** 10061-01-5.SEC **Purity** 99%	(Lot 487OA)	2,500.1	µg/mL	+/- 14.5359 +/- 150.8436 +/- 151.2017	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	Toluene **CAS #** 108-88-3.SEC **Purity** 99%	(Lot YND2B-BD)	2,500.0	µg/mL	+/- 14.5352 +/- 150.8361 +/- 151.1942	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	Ethyl methacrylate **CAS #** 97-63-2.SEC **Purity** 99%	(Lot MLWYK-LS)	2,500.5	µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	trans-1,3-Dichloropropene **CAS #** 10061-02-6.SEC **Purity** 99%	(Lot ZDMSL)	2,500.5	µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	1,1,2-Trichloroethane **CAS #** 79-00-5.SEC **Purity** 98%	(Lot 5034600)	2,500.8	µg/mL	+/- 14.5401 +/- 150.8866 +/- 151.2448	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
38	1,3-Dichloropropane **CAS #** 142-28-9.SEC **Purity** 99%	(Lot AGN01-EFPC)	2,500.5	µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
39	Tetrachloroethene **CAS #** 127-18-4.SEC **Purity** 99%	(Lot F09W014)	2,501.3	µg/mL	+/- 14.5425 +/- 150.9115 +/- 151.2698	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

40	Dibromochloromethane **CAS #** 124-48-1.SEC **Purity** 97%	(Lot 10181507)	2,500.4 µg/mL	+/- 14.5376 +/- 150.8613 +/- 151.2194	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
41	1,2-Dibromoethane (EDB) **CAS #** 106-93-4.SEC **Purity** 99%	(Lot 3505900)	2,500.5 µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
42	Chlorobenzene **CAS #** 108-90-7.SEC **Purity** 99%	(Lot 1161936)	2,501.0 µg/mL	+/- 14.5410 +/- 150.8964 +/- 151.2547	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
43	m-Xylene **CAS #** 108-38-3.SEC **Purity** 99%	(Lot OUKMG-GB)	1,250.9 µg/mL	+/- 7.2727 +/- 75.4708 +/- 75.6500	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
44	p-Xylene **CAS #** 106-42-3.SEC **Purity** 99%	(Lot GM01)	1,250.5 µg/mL	+/- 7.2705 +/- 75.4482 +/- 75.6273	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
45	Ethylbenzene **CAS #** 100-41-4.SEC **Purity** 99%	(Lot PI4SE)	2,500.9 µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
46	1,1,1,2-Tetrachloroethane **CAS #** 630-20-6.SEC **Purity** 99%	(Lot GC01)	2,501.1 µg/mL	+/- 14.5418 +/- 150.9040 +/- 151.2622	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
47	o-Xylene **CAS #** 95-47-6.SEC **Purity** 99%	(Lot FGL01-KTPK)	2,500.9 µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
48	Styrene **CAS #** 100-42-5.SEC **Purity** 99%	(Lot OFIOL-IA)	2,500.4 µg/mL	+/- 14.5374 +/- 150.8587 +/- 151.2169	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
49	Isopropylbenzene (cumene) **CAS #** 98-82-8.SEC **Purity** 99%	(Lot 2PHXG-IH)	2,500.5 µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
50	Bromoform **CAS #** 75-25-2.SEC **Purity** 99%	(Lot 5139000)	2,502.3 µg/mL	+/- 14.5483 +/- 150.9718 +/- 151.3303	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
51	Bromodichloromethane **CAS #** 75-27-4.SEC **Purity** 98%	(Lot 13780)	2,500.1 µg/mL	+/- 14.5358 +/- 150.8423 +/- 151.2004	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
52	1,1,2,2-Tetrachloroethane **CAS #** 79-34-5.SEC **Purity** 99%	(Lot CFA4D-AQ)	2,501.3 µg/mL	+/- 14.5425 +/- 150.9115 +/- 151.2698	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
53	1,2,3-Trichloropropane **CAS #** 96-18-4.SEC **Purity** 98%	(Lot OGI01)	2,500.1 µg/mL	+/- 14.5358 +/- 150.8423 +/- 151.2004	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
54	trans-1,4-Dichloro-2-butene **CAS #** 110-57-6.SEC **Purity** 98%	(Lot 100700-3)	2,501.0 µg/mL	+/- 14.5408 +/- 150.8940 +/- 151.2522	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
55	n-Propylbenzene **CAS #** 103-65-1.SEC **Purity** 99%	(Lot T2HFC-IT)	2,500.0 µg/mL	+/- 14.5352 +/- 150.8361 +/- 151.1942	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

56	Bromobenzene		2,500.1	µg/mL	+/-	14.5359	µg/mL	Gravimetric
	CAS # 108-86-1.SEC	(Lot 2FUHG-EM)			+/-	150.8436	µg/mL	Unstressed
	Purity 99%				+/-	151.2017	µg/mL	Stressed
57	1,3,5-Trimethylbenzene		2,500.3	µg/mL	+/-	14.5367	µg/mL	Gravimetric
	CAS # 108-67-8.SEC	(Lot TOOOF)			+/-	150.8512	µg/mL	Unstressed
	Purity 99%				+/-	151.2093	µg/mL	Stressed
58	2-Chlorotoluene		2,500.9	µg/mL	+/-	14.5403	µg/mL	Gravimetric
	CAS # 95-49-8.SEC	(Lot SW8QG-AO)			+/-	150.8889	µg/mL	Unstressed
	Purity 99%				+/-	151.2471	µg/mL	Stressed
59	4-Chlorotoluene		2,500.5	µg/mL	+/-	14.5381	µg/mL	Gravimetric
	CAS # 106-43-4.SEC	(Lot P4XHJ-AO)			+/-	150.8662	µg/mL	Unstressed
	Purity 99%				+/-	151.2244	µg/mL	Stressed
60	tert-Butylbenzene		2,500.1	µg/mL	+/-	14.5359	µg/mL	Gravimetric
	CAS # 98-06-6.SEC	(Lot OGN01-CAI)			+/-	150.8436	µg/mL	Unstressed
	Purity 99%				+/-	151.2017	µg/mL	Stressed
61	1,2,4-Trimethylbenzene		2,500.4	µg/mL	+/-	14.5374	µg/mL	Gravimetric
	CAS # 95-63-6.SEC	(Lot SC7LO-QA)			+/-	150.8587	µg/mL	Unstressed
	Purity 99%				+/-	151.2169	µg/mL	Stressed
62	sec-Butylbenzene		2,501.4	µg/mL	+/-	14.5432	µg/mL	Gravimetric
	CAS # 135-98-8.SEC	(Lot OGN01-IMA)			+/-	150.9190	µg/mL	Unstressed
	Purity 99%				+/-	151.2773	µg/mL	Stressed
63	4-Isopropyltoluene (p-cymene)		2,501.3	µg/mL	+/-	14.5425	µg/mL	Gravimetric
	CAS # 99-87-6.SEC	(Lot 5221800)			+/-	150.9115	µg/mL	Unstressed
	Purity 99%				+/-	151.2698	µg/mL	Stressed
64	1,3-Dichlorobenzene		2,500.9	µg/mL	+/-	14.5403	µg/mL	Gravimetric
	CAS # 541-73-1.SEC	(Lot FMDFD)			+/-	150.8889	µg/mL	Unstressed
	Purity 99%				+/-	151.2471	µg/mL	Stressed
65	1,4-Dichlorobenzene		2,500.8	µg/mL	+/-	14.5396	µg/mL	Gravimetric
	CAS # 106-46-7.SEC	(Lot 4Y5DC)			+/-	150.8813	µg/mL	Unstressed
	Purity 99%				+/-	151.2395	µg/mL	Stressed
66	n-Butylbenzene		2,500.8	µg/mL	+/-	14.5396	µg/mL	Gravimetric
	CAS # 104-51-8.SEC	(Lot OGN01-PNP)			+/-	150.8813	µg/mL	Unstressed
	Purity 99%				+/-	151.2395	µg/mL	Stressed
67	1,2-Dichlorobenzene		2,501.0	µg/mL	+/-	14.5410	µg/mL	Gravimetric
	CAS # 95-50-1.SEC	(Lot R6QDM)			+/-	150.8964	µg/mL	Unstressed
	Purity 99%				+/-	151.2547	µg/mL	Stressed
68	1,2-Dibromo-3-chloropropane		2,501.5	µg/mL	+/-	14.5436	µg/mL	Gravimetric
	CAS # 96-12-8.SEC	(Lot LC00408V)			+/-	150.9236	µg/mL	Unstressed
	Purity 98%				+/-	151.2819	µg/mL	Stressed
69	1,2,4-Trichlorobenzene		2,502.5	µg/mL	+/-	14.5498	µg/mL	Gravimetric
	CAS # 120-82-1.SEC	(Lot 3LYYC)			+/-	150.9869	µg/mL	Unstressed
	Purity 99%				+/-	151.3454	µg/mL	Stressed
70	Hexachlorobutadiene		2,501.4	µg/mL	+/-	14.5433	µg/mL	Gravimetric
	CAS # 87-68-3.SEC	(Lot 5526800)			+/-	150.9198	µg/mL	Unstressed
	Purity 97%				+/-	151.2781	µg/mL	Stressed
71	Naphthalene		2,501.8	µg/mL	+/-	14.5454	µg/mL	Gravimetric
	CAS # 91-20-3.SEC	(Lot SKZ5N)			+/-	150.9417	µg/mL	Unstressed
	Purity 99%				+/-	151.3000	µg/mL	Stressed

72	1,2,3-Trichlorobenzene		2,500.7 µg/mL	+/-	14.5394	µg/mL	Gravimetric
	CAS # 87-61-6.SEC	(Lot A0043055)		+/-	150.8792	µg/mL	Unstressed
	Purity 98%			+/-	151.2374	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

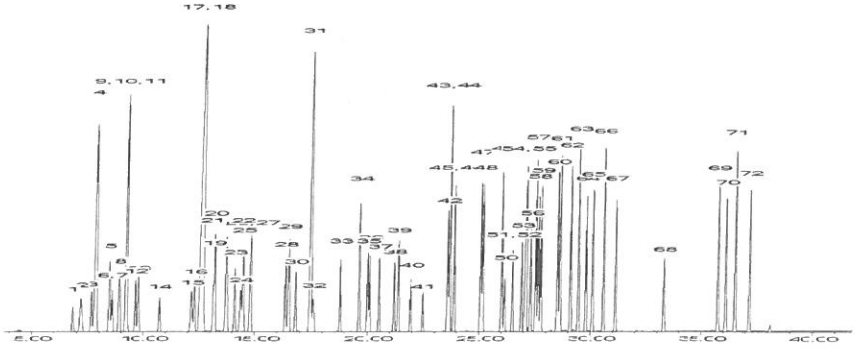
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael J Maye

Date Mixed: 28-Dec-2016 **Balance:** 1127510105

Jennifer J Pollino
Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 04-Jan-2017

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

Reagent

VM571992S_00004

Rec: 12/4/18

VM571992S-00004

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992.sec **Lot No.:** A0123775

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2019 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7.SEC (Lot F23X068) **Purity** 98%	2,501.2 µg/mL	+/- 14.5422 µg/mL +/- 150.9088 µg/mL +/- 151.2671 µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1.SEC (Lot 18342) **Purity** 99%	2,501.1 µg/mL	+/- 14.5418 µg/mL +/- 150.9040 µg/mL +/- 151.2622 µg/mL	Gravimetric Unstressed Stressed
3	1,1-Dichloroethene **CAS #** 75-35-4.SEC (Lot 2767000) **Purity** 99%	2,500.5 µg/mL	+/- 14.5381 µg/mL +/- 150.8662 µg/mL +/- 151.2244 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0.SEC (Lot XYXDO) **Purity** 98%	25,003.1 µg/mL	+/- 145.3626 µg/mL +/- 1,508.5475 µg/mL +/- 1,512.1291 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9.SEC (Lot YDGVD) **Purity** 99%	5,000.4 µg/mL	+/- 29.0726 µg/mL +/- 301.6948 µg/mL +/- 302.4111 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4.SEC (Lot Y25A027) **Purity** 99%	2,500.4 µg/mL	+/- 14.5374 µg/mL +/- 150.8587 µg/mL +/- 151.2169 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1.SEC (Lot VEBOC) **Purity** 98%	2,500.1 µg/mL	+/- 14.5358 µg/mL +/- 150.8423 µg/mL +/- 151.2004 µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane) **CAS #** 75-09-2.SEC (Lot [illegible]) **Purity** 99%		2,500.8 µg/mL	+/- 14.5396 +/- 150.8813 +/- 151.2395	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Carbon disulfide **CAS #** 75-15-0.SEC **Purity** 99%	(Lot MKBL1376V)	2,500.9 µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Acrylonitrile **CAS #** 107-13-1.SEC **Purity** 99%	(Lot UERIL)	25,000.9 µg/mL	+/- 145.3496 +/- 1,508.4128 +/- 1,511.9941	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Methyl-tert-butyl ether (MTBE) **CAS #** 1634-04-4.SEC **Purity** 99%	(Lot ZAQTA-MS)	2,500.0 µg/mL	+/- 14.5352 +/- 150.8361 +/- 151.1942	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	cis-1,2-Dichloroethene **CAS #** 156-59-2.SEC **Purity** 98%	(Lot HGC01-BLKT)	2,500.7 µg/mL	+/- 14.5394 +/- 150.8792 +/- 151.2374	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	n-Hexane (C6) **CAS #** 110-54-3.SEC **Purity** 99%	(Lot 10188491)	2,501.5 µg/mL	+/- 14.5439 +/- 150.9266 +/- 151.2849	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	1,1-Dichloroethane **CAS #** 75-34-3.SEC **Purity** 99%	(Lot 5379000)	2,500.3 µg/mL	+/- 14.5367 +/- 150.8512 +/- 151.2093	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	2,2-Dichloropropane **CAS #** 594-20-7.SEC **Purity** 98%	(Lot I7E8E)	2,500.1 µg/mL	+/- 14.5358 +/- 150.8423 +/- 151.2004	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	trans-1,2-Dichloroethene **CAS #** 156-60-5.SEC **Purity** 97%	(Lot TS5UB)	2,500.2 µg/mL	+/- 14.5362 +/- 150.8466 +/- 151.2048	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Isobutanol (2-Methyl-1-propanol) **CAS #** 78-83-1.SEC **Purity** 99%	(Lot 83NHH)	62,506.9 µg/mL	+/- 363.4014 +/- 3,771.3149 +/- 3,780.2687	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	Chloroform **CAS #** 67-66-3.SEC **Purity** 99%	(Lot 1297547)	2,500.1 µg/mL	+/- 14.5359 +/- 150.8436 +/- 151.2017	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Bromochloromethane **CAS #** 74-97-5.SEC **Purity** 99%	(Lot 5670200)	2,501.1 µg/mL	+/- 14.5418 +/- 150.9040 +/- 151.2622	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Tetrahydrofuran **CAS #** 109-99-9.SEC **Purity** 99%	(Lot K3V7J-SJ)	5,002.3 µg/mL	+/- 29.0835 +/- 301.8079 +/- 302.5245	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	1,1,1-Trichloroethane **CAS #** 71-55-6.SEC **Purity** 98%	(Lot CS160712)	2,500.7 µg/mL	+/- 14.5394 +/- 150.8792 +/- 151.2374	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	Cyclohexane **CAS #** 110-82-7.SEC **Purity** 99%	(Lot YADRA)	2,501.0 µg/mL	+/- 14.5410 +/- 150.8964 +/- 151.2547	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	1,1-Dichloropropene **CAS #** 563-58-6.SEC **Purity** 96%	(Lot 5221100)	2,501.3 µg/mL	+/- 14.5427 +/- 150.9133 +/- 151.2716	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	Carbon tetrachloride **CAS #** 56-23-5.SEC **Purity** 99%	(Lot 11466)	2,500.5	µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	n-Heptane (C7) **CAS #** 142-82-5.SEC **Purity** 99%	(Lot OGM01)	2,500.5	µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,2-Dichloroethane **CAS #** 107-06-2.SEC **Purity** 99%	(Lot FO6PK)	2,500.1	µg/mL	+/- 14.5359 +/- 150.8436 +/- 151.2017	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	Benzene **CAS #** 71-43-2.SEC **Purity** 99%	(Lot B28Y008)	2,501.5	µg/mL	+/- 14.5439 +/- 150.9266 +/- 151.2849	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Trichloroethene **CAS #** 79-01-6.SEC **Purity** 99%	(Lot H04X050)	2,501.0	µg/mL	+/- 14.5410 +/- 150.8964 +/- 151.2547	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	Methylcyclohexane **CAS #** 108-87-2.SEC **Purity** 99%	(Lot 24MSD-CD)	2,500.9	µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	1,2-Dichloropropane **CAS #** 78-87-5.SEC **Purity** 99%	(Lot OGG01)	2,501.1	µg/mL	+/- 14.5418 +/- 150.9040 +/- 151.2622	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	1,4-Dioxane **CAS #** 123-91-1.SEC **Purity** 99%	(Lot MUFZH)	50,007.1	µg/mL	+/- 290.7305 +/- 3,017.1500 +/- 3,024.3132	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	Dibromomethane **CAS #** 74-95-3.SEC **Purity** 99%	(Lot FGI01-OICH)	2,501.6	µg/mL	+/- 14.5447 +/- 150.9341 +/- 151.2925	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	cis-1,3-Dichloropropene **CAS #** 10061-01-5.SEC **Purity** 99%	(Lot 487OA)	2,500.1	µg/mL	+/- 14.5359 +/- 150.8436 +/- 151.2017	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	Toluene **CAS #** 108-88-3.SEC **Purity** 99%	(Lot YND2B-BD)	2,500.0	µg/mL	+/- 14.5352 +/- 150.8361 +/- 151.1942	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	Ethyl methacrylate **CAS #** 97-63-2.SEC **Purity** 99%	(Lot MLWYK-LS)	2,500.5	µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	trans-1,3-Dichloropropene **CAS #** 10061-02-6.SEC **Purity** 99%	(Lot ZDMSL)	2,500.5	µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	1,1,2-Trichloroethane **CAS #** 79-00-5.SEC **Purity** 98%	(Lot 5034600)	2,500.8	µg/mL	+/- 14.5401 +/- 150.8866 +/- 151.2448	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
38	1,3-Dichloropropane **CAS #** 142-28-9.SEC **Purity** 99%	(Lot AGN01-EFPC)	2,500.5	µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
39	Tetrachloroethene **CAS #** 127-18-4.SEC **Purity** 99%	(Lot F09W014)	2,501.3	µg/mL	+/- 14.5425 +/- 150.9115 +/- 151.2698	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

40	Dibromochloromethane **CAS #** 124-48-1.SEC **Purity** 97%	(Lot 10181507)	2,500.4 µg/mL	+/- 14.5376 +/- 150.8613 +/- 151.2194	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
41	1,2-Dibromoethane (EDB) **CAS #** 106-93-4.SEC **Purity** 99%	(Lot 3505900)	2,500.5 µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
42	Chlorobenzene **CAS #** 108-90-7.SEC **Purity** 99%	(Lot 1161936)	2,501.0 µg/mL	+/- 14.5410 +/- 150.8964 +/- 151.2547	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
43	m-Xylene **CAS #** 108-38-3.SEC **Purity** 99%	(Lot OUKMG-GB)	1,250.9 µg/mL	+/- 7.2727 +/- 75.4708 +/- 75.6500	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
44	p-Xylene **CAS #** 106-42-3.SEC **Purity** 99%	(Lot GM01)	1,250.5 µg/mL	+/- 7.2705 +/- 75.4482 +/- 75.6273	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
45	Ethylbenzene **CAS #** 100-41-4.SEC **Purity** 99%	(Lot PI4SE)	2,500.9 µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
46	1,1,1,2-Tetrachloroethane **CAS #** 630-20-6.SEC **Purity** 99%	(Lot GC01)	2,501.1 µg/mL	+/- 14.5418 +/- 150.9040 +/- 151.2622	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
47	o-Xylene **CAS #** 95-47-6.SEC **Purity** 99%	(Lot FGL01-KTPK)	2,500.9 µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
48	Styrene **CAS #** 100-42-5.SEC **Purity** 99%	(Lot OFIOL-IA)	2,500.4 µg/mL	+/- 14.5374 +/- 150.8587 +/- 151.2169	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
49	Isopropylbenzene (cumene) **CAS #** 98-82-8.SEC **Purity** 99%	(Lot 2PHXG-IH)	2,500.5 µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
50	Bromoform **CAS #** 75-25-2.SEC **Purity** 99%	(Lot 5139000)	2,502.3 µg/mL	+/- 14.5483 +/- 150.9718 +/- 151.3303	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
51	Bromodichloromethane **CAS #** 75-27-4.SEC **Purity** 98%	(Lot 13780)	2,500.1 µg/mL	+/- 14.5358 +/- 150.8423 +/- 151.2004	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
52	1,1,2,2-Tetrachloroethane **CAS #** 79-34-5.SEC **Purity** 99%	(Lot CFA4D-AQ)	2,501.3 µg/mL	+/- 14.5425 +/- 150.9115 +/- 151.2698	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
53	1,2,3-Trichloropropane **CAS #** 96-18-4.SEC **Purity** 98%	(Lot OGI01)	2,500.1 µg/mL	+/- 14.5358 +/- 150.8423 +/- 151.2004	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
54	trans-1,4-Dichloro-2-butene **CAS #** 110-57-6.SEC **Purity** 98%	(Lot 100700-3)	2,501.0 µg/mL	+/- 14.5408 +/- 150.8940 +/- 151.2522	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
55	n-Propylbenzene **CAS #** 103-65-1.SEC **Purity** 99%	(Lot T2HFC-IT)	2,500.0 µg/mL	+/- 14.5352 +/- 150.8361 +/- 151.1942	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

56	Bromobenzene		2,500.1 µg/mL	+/- 14.5359	µg/mL	Gravimetric
	CAS # 108-86-1.SEC	(Lot 2FUHG-EM)		+/- 150.8436	µg/mL	Unstressed
	Purity 99%			+/- 151.2017	µg/mL	Stressed
57	1,3,5-Trimethylbenzene		2,500.3 µg/mL	+/- 14.5367	µg/mL	Gravimetric
	CAS # 108-67-8.SEC	(Lot TOOOF)		+/- 150.8512	µg/mL	Unstressed
	Purity 99%			+/- 151.2093	µg/mL	Stressed
58	2-Chlorotoluene		2,500.9 µg/mL	+/- 14.5403	µg/mL	Gravimetric
	CAS # 95-49-8.SEC	(Lot SW8QG-AO)		+/- 150.8889	µg/mL	Unstressed
	Purity 99%			+/- 151.2471	µg/mL	Stressed
59	4-Chlorotoluene		2,500.5 µg/mL	+/- 14.5381	µg/mL	Gravimetric
	CAS # 106-43-4.SEC	(Lot P4XHJ-AO)		+/- 150.8662	µg/mL	Unstressed
	Purity 99%			+/- 151.2244	µg/mL	Stressed
60	tert-Butylbenzene		2,500.1 µg/mL	+/- 14.5359	µg/mL	Gravimetric
	CAS # 98-06-6.SEC	(Lot OGN01-CAI)		+/- 150.8436	µg/mL	Unstressed
	Purity 99%			+/- 151.2017	µg/mL	Stressed
61	1,2,4-Trimethylbenzene		2,500.4 µg/mL	+/- 14.5374	µg/mL	Gravimetric
	CAS # 95-63-6.SEC	(Lot SC7LO-QA)		+/- 150.8587	µg/mL	Unstressed
	Purity 99%			+/- 151.2169	µg/mL	Stressed
62	sec-Butylbenzene		2,501.4 µg/mL	+/- 14.5432	µg/mL	Gravimetric
	CAS # 135-98-8.SEC	(Lot OGN01-IMA)		+/- 150.9190	µg/mL	Unstressed
	Purity 99%			+/- 151.2773	µg/mL	Stressed
63	4-Isopropyltoluene (p-cymene)		2,501.3 µg/mL	+/- 14.5425	µg/mL	Gravimetric
	CAS # 99-87-6.SEC	(Lot 5221800)		+/- 150.9115	µg/mL	Unstressed
	Purity 99%			+/- 151.2698	µg/mL	Stressed
64	1,3-Dichlorobenzene		2,500.9 µg/mL	+/- 14.5403	µg/mL	Gravimetric
	CAS # 541-73-1.SEC	(Lot FMDFD)		+/- 150.8889	µg/mL	Unstressed
	Purity 99%			+/- 151.2471	µg/mL	Stressed
65	1,4-Dichlorobenzene		2,500.8 µg/mL	+/- 14.5396	µg/mL	Gravimetric
	CAS # 106-46-7.SEC	(Lot 4Y5DC)		+/- 150.8813	µg/mL	Unstressed
	Purity 99%			+/- 151.2395	µg/mL	Stressed
66	n-Butylbenzene		2,500.8 µg/mL	+/- 14.5396	µg/mL	Gravimetric
	CAS # 104-51-8.SEC	(Lot OGN01-PNP)		+/- 150.8813	µg/mL	Unstressed
	Purity 99%			+/- 151.2395	µg/mL	Stressed
67	1,2-Dichlorobenzene		2,501.0 µg/mL	+/- 14.5410	µg/mL	Gravimetric
	CAS # 95-50-1.SEC	(Lot R6QDM)		+/- 150.8964	µg/mL	Unstressed
	Purity 99%			+/- 151.2547	µg/mL	Stressed
68	1,2-Dibromo-3-chloropropane		2,501.5 µg/mL	+/- 14.5436	µg/mL	Gravimetric
	CAS # 96-12-8.SEC	(Lot LC00408V)		+/- 150.9236	µg/mL	Unstressed
	Purity 98%			+/- 151.2819	µg/mL	Stressed
69	1,2,4-Trichlorobenzene		2,502.5 µg/mL	+/- 14.5498	µg/mL	Gravimetric
	CAS # 120-82-1.SEC	(Lot 3LYYC)		+/- 150.9869	µg/mL	Unstressed
	Purity 99%			+/- 151.3454	µg/mL	Stressed
70	Hexachlorobutadiene		2,501.4 µg/mL	+/- 14.5433	µg/mL	Gravimetric
	CAS # 87-68-3.SEC	(Lot 5526800)		+/- 150.9198	µg/mL	Unstressed
	Purity 97%			+/- 151.2781	µg/mL	Stressed
71	Naphthalene		2,501.8 µg/mL	+/- 14.5454	µg/mL	Gravimetric
	CAS # 91-20-3.SEC	(Lot SKZ5N)		+/- 150.9417	µg/mL	Unstressed
	Purity 99%			+/- 151.3000	µg/mL	Stressed

72	1,2,3-Trichlorobenzene		2,500.7 µg/mL	+/-	14.5394	µg/mL	Gravimetric
	CAS # 87-61-6.SEC	(Lot A0043055)		+/-	150.8792	µg/mL	Unstressed
	Purity 98%			+/-	151.2374	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

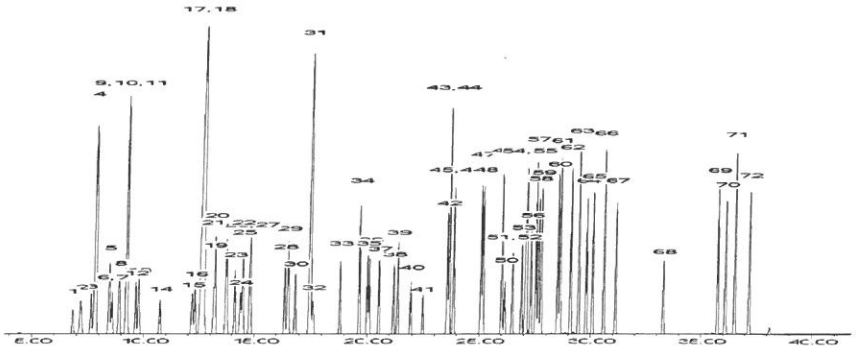
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael J Maye

Date Mixed: 28-Dec-2016 **Balance:** 1127510105

Jennifer J Pollino

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 04-Jan-2017

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

VM571992S_00006

Rec: 9/9/19
VM571992S-00006

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992.SEC **Lot No.:** A0144202

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7.SEC (Lot F23X068) **Purity** 98%	2,517.0 µg/mL	+/- 14.6339 +/- 151.8598 +/- 152.2203	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1.SEC (Lot 18342) **Purity** 99%	2,506.7 µg/mL	+/- 14.5740 +/- 151.2383 +/- 151.5974	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	1,1-Dichloroethene **CAS #** 75-35-4.SEC (Lot 7692300) **Purity** 99%	2,503.3 µg/mL	+/- 14.5546 +/- 151.0372 +/- 151.3958	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0.SEC (Lot XYXDO) **Purity** 98%	25,000.8 µg/mL	+/- 145.3491 +/- 1,508.4071 +/- 1,511.9883	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9.SEC (Lot UCNEL) **Purity** 99%	5,002.3 µg/mL	+/- 29.0840 +/- 301.8129 +/- 302.5295	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4.SEC (Lot Y25A027) **Purity** 99%	2,503.5 µg/mL	+/- 14.5556 +/- 151.0472 +/- 151.4059	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1.SEC (Lot H3HGC) **Purity** 99%	2,511.7 µg/mL	+/- 14.6030 +/- 151.5400 +/- 151.8998	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane) **CAS #** 75-09-2.SEC (Lot FGM02) **Purity** 99%	2,506.7 µg/mL	+/- 14.5740 +/- 151.2383 +/- 151.5974	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Carbon disulfide **CAS #** 75-15-0.SEC (Lot MKBL1376V) **Purity** 99%	2,500.7 µg/mL	+/- 14.5391 +/- 150.8763 +/- 151.2345	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Acrylonitrile **CAS #** 107-13-1.SEC (Lot UERIL) **Purity** 99%	25,001.2 µg/mL	+/- 145.3513 +/- 1,508.4304 +/- 1,512.0117	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Methyl-tert-butyl ether (MTBE) **CAS #** 1634-04-4.SEC (Lot ZHKYA) **Purity** 99%	2,501.5 µg/mL	+/- 14.5439 +/- 150.9266 +/- 151.2849	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	cis-1,2-Dichloroethene **CAS #** 156-59-2.SEC (Lot HGC01-BLKT) **Purity** 98%	2,501.3 µg/mL	+/- 14.5427 +/- 150.9137 +/- 151.2720	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	n-Hexane (C6) **CAS #** 110-54-3.SEC (Lot K24W001) **Purity** 97%	2,503.2 µg/mL	+/- 14.5541 +/- 151.0320 +/- 151.3905	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	1,1-Dichloroethane **CAS #** 75-34-3.SEC (Lot 5379000) **Purity** 99%	2,502.0 µg/mL	+/- 14.5468 +/- 150.9567 +/- 151.3151	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	2,2-Dichloropropane **CAS #** 594-20-7.SEC (Lot I7E8E) **Purity** 98%	2,503.2 µg/mL	+/- 14.5541 +/- 151.0320 +/- 151.3905	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	trans-1,2-Dichloroethene **CAS #** 156-60-5.SEC (Lot TS5UB) **Purity** 97%	2,501.0 µg/mL	+/- 14.5409 +/- 150.8954 +/- 151.2537	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Isobutanol (2-Methyl-1-propanol) **CAS #** 78-83-1.SEC (Lot PH2XK) **Purity** 99%	62,508.3 µg/mL	+/- 363.4098 +/- 3,771.4029 +/- 3,780.3569	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	Chloroform **CAS #** 67-66-3.SEC (Lot 1297547) **Purity** 99%	2,500.5 µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Bromochloromethane **CAS #** 74-97-5.SEC (Lot 5670200) **Purity** 99%	2,507.0 µg/mL	+/- 14.5759 +/- 151.2584 +/- 151.6175	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Tetrahydrofuran **CAS #** 109-99-9.SEC (Lot 8DAOJ) **Purity** 99%	5,006.7 µg/mL	+/- 29.1092 +/- 302.0744 +/- 302.7916	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	1,1,1-Trichloroethane **CAS #** 71-55-6.SEC (Lot 7998000) **Purity** 99%	2,507.7 µg/mL	+/- 14.5798 +/- 151.2986 +/- 151.6579	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	Cyclohexane **CAS #** 110-82-7.SEC (Lot YADRA) **Purity** 99%	2,508.0 µg/mL	+/- 14.5817 +/- 151.3188 +/- 151.6780	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	1,1-Dichloropropene **CAS #** 563-58-6.SEC (Lot 5221100) **Purity** 96%	2,502.4 µg/mL	+/- 14.5492 +/- 150.9809 +/- 151.3393	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	Carbon tetrachloride		2,510.3 µg/mL	+/- 14.5953	µg/mL	Gravimetric
	CAS # 56-23-5.SEC	(Lot 11466)		+/- 151.4595	µg/mL	Unstressed
	Purity 99%			+/- 151.8191	µg/mL	Stressed
25	n-Heptane (C7)		2,511.8 µg/mL	+/- 14.6040	µg/mL	Gravimetric
	CAS # 142-82-5.SEC	(Lot TFHUC)		+/- 151.5500	µg/mL	Unstressed
	Purity 99%			+/- 151.9098	µg/mL	Stressed
26	1,2-Dichloroethane		2,501.3 µg/mL	+/- 14.5430	µg/mL	Gravimetric
	CAS # 107-06-2.SEC	(Lot FO6PK)		+/- 150.9165	µg/mL	Unstressed
	Purity 99%			+/- 151.2748	µg/mL	Stressed
27	Benzene		2,504.8 µg/mL	+/- 14.5633	µg/mL	Gravimetric
	CAS # 71-43-2.SEC	(Lot B28Y008)		+/- 151.1277	µg/mL	Unstressed
	Purity 99%			+/- 151.4865	µg/mL	Stressed
28	Trichloroethene		2,508.7 µg/mL	+/- 14.5856	µg/mL	Gravimetric
	CAS # 79-01-6.SEC	(Lot H04X050)		+/- 151.3590	µg/mL	Unstressed
	Purity 99%			+/- 151.7183	µg/mL	Stressed
29	Methylcyclohexane		2,504.5 µg/mL	+/- 14.5614	µg/mL	Gravimetric
	CAS # 108-87-2.SEC	(Lot Q02QG)		+/- 151.1076	µg/mL	Unstressed
	Purity 99%			+/- 151.4663	µg/mL	Stressed
30	1,2-Dichloropropane		2,504.0 µg/mL	+/- 14.5585	µg/mL	Gravimetric
	CAS # 78-87-5.SEC	(Lot ERRBI-RH)		+/- 151.0774	µg/mL	Unstressed
	Purity 99%			+/- 151.4361	µg/mL	Stressed
31	1,4-Dioxane		50,008.0 µg/mL	+/- 290.7356	µg/mL	Gravimetric
	CAS # 123-91-1.SEC	(Lot YVP2C)		+/- 3,017.2028	µg/mL	Unstressed
	Purity 99%			+/- 3,024.3661	µg/mL	Stressed
32	Dibromomethane		2,509.5 µg/mL	+/- 14.5904	µg/mL	Gravimetric
	CAS # 74-95-3.SEC	(Lot FGI01-OICH)		+/- 151.4093	µg/mL	Unstressed
	Purity 99%			+/- 151.7687	µg/mL	Stressed
33	cis-1,3-Dichloropropene		2,502.0 µg/mL	+/- 14.5468	µg/mL	Gravimetric
	CAS # 10061-01-5.SEC	(Lot 487OA)		+/- 150.9567	µg/mL	Unstressed
	Purity 99%			+/- 151.3151	µg/mL	Stressed
34	Toluene		2,501.5 µg/mL	+/- 14.5439	µg/mL	Gravimetric
	CAS # 108-88-3.SEC	(Lot YND2B-BD)		+/- 150.9266	µg/mL	Unstressed
	Purity 99%			+/- 151.2849	µg/mL	Stressed
35	Ethyl methacrylate		2,508.8 µg/mL	+/- 14.5866	µg/mL	Gravimetric
	CAS # 97-63-2.SEC	(Lot MLWYK-LS)		+/- 151.3690	µg/mL	Unstressed
	Purity 99%			+/- 151.7284	µg/mL	Stressed
36	trans-1,3-Dichloropropene		2,502.9 µg/mL	+/- 14.5520	µg/mL	Gravimetric
	CAS # 10061-02-6.SEC	(Lot ZDMSL)		+/- 151.0098	µg/mL	Unstressed
	Purity 96%			+/- 151.3684	µg/mL	Stressed
37	1,1,2-Trichloroethane		2,502.5 µg/mL	+/- 14.5498	µg/mL	Gravimetric
	CAS # 79-00-5.SEC	(Lot 7871500)		+/- 150.9869	µg/mL	Unstressed
	Purity 99%			+/- 151.3454	µg/mL	Stressed
38	1,3-Dichloropropane		2,502.7 µg/mL	+/- 14.5507	µg/mL	Gravimetric
	CAS # 142-28-9.SEC	(Lot AGN01-EFPC)		+/- 150.9970	µg/mL	Unstressed
	Purity 99%			+/- 151.3555	µg/mL	Stressed
39	Tetrachloroethene		2,505.0 µg/mL	+/- 14.5643	µg/mL	Gravimetric
	CAS # 127-18-4.SEC	(Lot F09W014)		+/- 151.1378	µg/mL	Unstressed
	Purity 99%			+/- 151.4966	µg/mL	Stressed

40	Dibromochloromethane		2,502.4 µg/mL	+/-	14.5494	µg/mL	Gravimetric
	CAS # 124-48-1.SEC	(Lot 10206360)		+/-	150.9832	µg/mL	Unstressed
	Purity 97%			+/-	151.3417	µg/mL	Stressed
41	1,2-Dibromoethane (EDB)		2,503.3 µg/mL	+/-	14.5546	µg/mL	Gravimetric
	CAS # 106-93-4.SEC	(Lot 3505900)		+/-	151.0372	µg/mL	Unstressed
	Purity 99%			+/-	151.3958	µg/mL	Stressed
42	Chlorobenzene		2,504.8 µg/mL	+/-	14.5633	µg/mL	Gravimetric
	CAS # 108-90-7.SEC	(Lot 1161936)		+/-	151.1277	µg/mL	Unstressed
	Purity 99%			+/-	151.4865	µg/mL	Stressed
43	m-Xylene		1,251.7 µg/mL	+/-	7.2941	µg/mL	Gravimetric
	CAS # 108-38-3.SEC	(Lot OUKMG-GB)		+/-	75.5202	µg/mL	Unstressed
	Purity 99%			+/-	75.6995	µg/mL	Stressed
44	p-Xylene		1,253.7 µg/mL	+/-	7.3058	µg/mL	Gravimetric
	CAS # 106-42-3.SEC	(Lot GM01)		+/-	75.6409	µg/mL	Unstressed
	Purity 99%			+/-	75.8205	µg/mL	Stressed
45	Ethylbenzene		2,503.5 µg/mL	+/-	14.5556	µg/mL	Gravimetric
	CAS # 100-41-4.SEC	(Lot PI4SE)		+/-	151.0472	µg/mL	Unstressed
	Purity 99%			+/-	151.4059	µg/mL	Stressed
46	1,1,1,2-Tetrachloroethane		2,506.7 µg/mL	+/-	14.5740	µg/mL	Gravimetric
	CAS # 630-20-6.SEC	(Lot GC01)		+/-	151.2383	µg/mL	Unstressed
	Purity 99%			+/-	151.5974	µg/mL	Stressed
47	o-Xylene		2,504.2 µg/mL	+/-	14.5594	µg/mL	Gravimetric
	CAS # 95-47-6.SEC	(Lot FGL01)		+/-	151.0875	µg/mL	Unstressed
	Purity 99%			+/-	151.4462	µg/mL	Stressed
48	Styrene		2,507.2 µg/mL	+/-	14.5769	µg/mL	Gravimetric
	CAS # 100-42-5.SEC	(Lot OFIOL-IA)		+/-	151.2685	µg/mL	Unstressed
	Purity 99%			+/-	151.6276	µg/mL	Stressed
49	Isopropylbenzene (cumene)		2,505.2 µg/mL	+/-	14.5653	µg/mL	Gravimetric
	CAS # 98-82-8.SEC	(Lot 2PHXG-IH)		+/-	151.1478	µg/mL	Unstressed
	Purity 99%			+/-	151.5067	µg/mL	Stressed
50	Bromoform		2,500.5 µg/mL	+/-	14.5381	µg/mL	Gravimetric
	CAS # 75-25-2.SEC	(Lot 5461400)		+/-	150.8661	µg/mL	Unstressed
	Purity 97%			+/-	151.2243	µg/mL	Stressed
51	Bromodichloromethane		2,501.3 µg/mL	+/-	14.5427	µg/mL	Gravimetric
	CAS # 75-27-4.SEC	(Lot 13780)		+/-	150.9137	µg/mL	Unstressed
	Purity 98%			+/-	151.2720	µg/mL	Stressed
52	1,1,2,2-Tetrachloroethane		2,502.0 µg/mL	+/-	14.5468	µg/mL	Gravimetric
	CAS # 79-34-5.SEC	(Lot CFA4D-AQ)		+/-	150.9567	µg/mL	Unstressed
	Purity 99%			+/-	151.3151	µg/mL	Stressed
53	1,2,3-Trichloropropane		2,505.7 µg/mL	+/-	14.5682	µg/mL	Gravimetric
	CAS # 96-18-4.SEC	(Lot GUHZN)		+/-	151.1780	µg/mL	Unstressed
	Purity 99%			+/-	151.5369	µg/mL	Stressed
54	trans-1,4-Dichloro-2-butene		2,514.2 µg/mL	+/-	14.6177	µg/mL	Gravimetric
	CAS # 110-57-6.SEC	(Lot 100700-3)		+/-	151.6922	µg/mL	Unstressed
	Purity 98%			+/-	152.0524	µg/mL	Stressed
55	n-Propylbenzene		2,503.7 µg/mL	+/-	14.5565	µg/mL	Gravimetric
	CAS # 103-65-1.SEC	(Lot T2HFC)		+/-	151.0573	µg/mL	Unstressed
	Purity 99%			+/-	151.4159	µg/mL	Stressed

56	Bromobenzene		2,506.2	µg/mL	+/-	14.5711	µg/mL	Gravimetric
	CAS # 108-86-1.SEC	(Lot 2FUHG-EM)			+/-	151.2081	µg/mL	Unstressed
	Purity 99%				+/-	151.5671	µg/mL	Stressed
57	1,3,5-Trimethylbenzene		2,510.0	µg/mL	+/-	14.5934	µg/mL	Gravimetric
	CAS # 108-67-8.SEC	(Lot FGH02-CMLN)			+/-	151.4394	µg/mL	Unstressed
	Purity 99%				+/-	151.7990	µg/mL	Stressed
58	2-Chlorotoluene		2,504.7	µg/mL	+/-	14.5623	µg/mL	Gravimetric
	CAS # 95-49-8.SEC	(Lot SW8QG-AO)			+/-	151.1176	µg/mL	Unstressed
	Purity 99%				+/-	151.4764	µg/mL	Stressed
59	4-Chlorotoluene		2,509.2	µg/mL	+/-	14.5885	µg/mL	Gravimetric
	CAS # 106-43-4.SEC	(Lot P4XHJ-AO)			+/-	151.3891	µg/mL	Unstressed
	Purity 99%				+/-	151.7486	µg/mL	Stressed
60	tert-Butylbenzene		2,505.8	µg/mL	+/-	14.5691	µg/mL	Gravimetric
	CAS # 98-06-6.SEC	(Lot D6OHC)			+/-	151.1880	µg/mL	Unstressed
	Purity 99%				+/-	151.5470	µg/mL	Stressed
61	1,2,4-Trimethylbenzene		2,508.7	µg/mL	+/-	14.5856	µg/mL	Gravimetric
	CAS # 95-63-6.SEC	(Lot JMIYD)			+/-	151.3590	µg/mL	Unstressed
	Purity 99%				+/-	151.7183	µg/mL	Stressed
62	sec-Butylbenzene		2,504.7	µg/mL	+/-	14.5623	µg/mL	Gravimetric
	CAS # 135-98-8.SEC	(Lot OGN01-IMA)			+/-	151.1176	µg/mL	Unstressed
	Purity 99%				+/-	151.4764	µg/mL	Stressed
63	4-Isopropyltoluene (p-cymene)		2,500.3	µg/mL	+/-	14.5372	µg/mL	Gravimetric
	CAS # 99-87-6.SEC	(Lot 6628200)			+/-	150.8562	µg/mL	Unstressed
	Purity 99%				+/-	151.2143	µg/mL	Stressed
64	1,3-Dichlorobenzene		2,506.3	µg/mL	+/-	14.5720	µg/mL	Gravimetric
	CAS # 541-73-1.SEC	(Lot FMDFD)			+/-	151.2182	µg/mL	Unstressed
	Purity 99%				+/-	151.5772	µg/mL	Stressed
65	1,4-Dichlorobenzene		2,509.8	µg/mL	+/-	14.5924	µg/mL	Gravimetric
	CAS # 106-46-7.SEC	(Lot 4Y5DC)			+/-	151.4294	µg/mL	Unstressed
	Purity 99%				+/-	151.7889	µg/mL	Stressed
66	n-Butylbenzene		2,513.7	µg/mL	+/-	14.6147	µg/mL	Gravimetric
	CAS # 104-51-8.SEC	(Lot MMPGA)			+/-	151.6607	µg/mL	Unstressed
	Purity 99%				+/-	152.0207	µg/mL	Stressed
67	1,2-Dichlorobenzene		2,501.8	µg/mL	+/-	14.5459	µg/mL	Gravimetric
	CAS # 95-50-1.SEC	(Lot R6QDM)			+/-	150.9467	µg/mL	Unstressed
	Purity 99%				+/-	151.3051	µg/mL	Stressed
68	1,2-Dibromo-3-chloropropane		2,508.5	µg/mL	+/-	14.5845	µg/mL	Gravimetric
	CAS # 96-12-8.SEC	(Lot LC00408V)			+/-	151.3473	µg/mL	Unstressed
	Purity 98%				+/-	151.7066	µg/mL	Stressed
69	1,2,4-Trichlorobenzene		2,503.3	µg/mL	+/-	14.5546	µg/mL	Gravimetric
	CAS # 120-82-1.SEC	(Lot 3LYYC)			+/-	151.0372	µg/mL	Unstressed
	Purity 99%				+/-	151.3958	µg/mL	Stressed
70	Hexachlorobutadiene		2,504.4	µg/mL	+/-	14.5607	µg/mL	Gravimetric
	CAS # 87-68-3.SEC	(Lot 5526800)			+/-	151.1002	µg/mL	Unstressed
	Purity 97%				+/-	151.4590	µg/mL	Stressed
71	Naphthalene		2,503.3	µg/mL	+/-	14.5546	µg/mL	Gravimetric
	CAS # 91-20-3.SEC	(Lot 4KW3H-OO)			+/-	151.0372	µg/mL	Unstressed
	Purity 99%				+/-	151.3958	µg/mL	Stressed

72	1,2,3-Trichlorobenzene		2,512.2 µg/mL	+/-	14.6063	µg/mL	Gravimetric
	CAS # 87-61-6.SEC	(Lot A0043055)		+/-	151.5740	µg/mL	Unstressed
	Purity 98%			+/-	151.9338	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

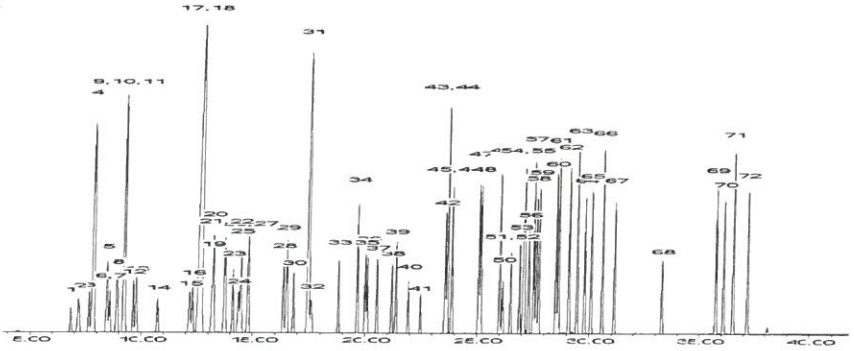
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish - Mix Technician

Date Mixed: 17-Dec-2018 **Balance:** 1127510105

Diane Shaffer - Operations Tech-ARM QC

Date Passed: 21-Dec-2018

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

VM571993_00001

VM571993-0001 Rec: 2-1-17

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571993 **Lot No.:** A0123796

Description : 8260 List 3/ Std#1 Polar Additions (2017)

8260 List 3/ Std#1 Polar Additions (2017) 2500-25,000 µg/ml, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2018 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetonitrile **CAS #** 75-05-8 **Purity** 98%	(Lot SHBB3177V)	25,004.5 µg/mL	+/- 145.3705 µg/mL +/- 1,236.9157 µg/mL +/- 1,267.6727 µg/mL	Gravimetric Unstressed Stressed
2	Diisopropyl ether (DIPE) **CAS #** 108-20-3 **Purity** 99%	(Lot SHBC0391V)	2,505.0 µg/mL	+/- 14.5643 µg/mL +/- 123.9170 µg/mL +/- 126.9983 µg/mL	Gravimetric Unstressed Stressed
3	Ethyl-tert-butyl ether (ETBE) **CAS #** 637-92-3 **Purity** 99%	(Lot MKBT8400V)	2,501.5 µg/mL	+/- 14.5439 µg/mL +/- 123.7438 µg/mL +/- 126.8208 µg/mL	Gravimetric Unstressed Stressed
4	Propionitrile **CAS #** 107-12-0 **Purity** 99%	(Lot BCBM6569V)	25,003.8 µg/mL	+/- 145.3664 µg/mL +/- 1,236.8808 µg/mL +/- 1,267.6370 µg/mL	Gravimetric Unstressed Stressed
5	tert-Amyl alcohol **CAS #** 75-85-4 **Purity** 99%	(Lot STBB1898V)	25,006.0 µg/mL	+/- 145.3794 µg/mL +/- 1,236.9921 µg/mL +/- 1,267.7510 µg/mL	Gravimetric Unstressed Stressed
6	tert-Amyl methyl ether (TAME) **CAS #** 994-05-8 **Purity** 98%	(Lot HMBD8698V)	2,505.4 µg/mL	+/- 14.5664 µg/mL +/- 123.9353 µg/mL +/- 127.0170 µg/mL	Gravimetric Unstressed Stressed

Reagent

VM571993_00003

VM571993-00003 Rec: 12/4/18

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571993 **Lot No.:** A0139911

Description : 8260 List 3/ Std#1 Polar Additions (2017)

8260 List 3/ Std#1 Polar Additions (2017) 2,500-25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acetonitrile		25,212.5 µg/mL	+/- 147.6247 µg/mL		Gravimetric
	CAS # 75-05-8	(Lot SHBH6233)		+/- 1,247.3304 µg/mL		Unstressed
	Purity 99%			+/- 1,278.3404 µg/mL		Stressed
2	Diisopropyl ether (DIPE)		2,525.0 µg/mL	+/- 14.8181 µg/mL		Gravimetric
	CAS # 108-20-3	(Lot SHBC0391V)		+/- 124.9226 µg/mL		Unstressed
	Purity 99%			+/- 128.0281 µg/mL		Stressed
3	Ethyl-tert-butyl ether (ETBE)		2,518.5 µg/mL	+/- 14.7800 µg/mL		Gravimetric
	CAS # 637-92-3	(Lot MKCC2702)		+/- 124.6010 µg/mL		Unstressed
	Purity 99%			+/- 127.6985 µg/mL		Stressed
4	Propionitrile		25,227.5 µg/mL	+/- 147.7126 µg/mL		Gravimetric
	CAS # 107-12-0	(Lot BCBV8545)		+/- 1,248.0725 µg/mL		Unstressed
	Purity 99%			+/- 1,279.1009 µg/mL		Stressed
5	tert-Amyl alcohol		25,152.5 µg/mL	+/- 147.2734 µg/mL		Gravimetric
	CAS # 75-85-4	(Lot STBB1898V)		+/- 1,244.3621 µg/mL		Unstressed
	Purity 99%			+/- 1,275.2982 µg/mL		Stressed
6	tert-Amyl methyl ether (TAME)		2,525.0 µg/mL	+/- 14.8181 µg/mL		Gravimetric
	CAS # 994-05-8	(Lot HMBF8365V)		+/- 124.9226 µg/mL		Unstressed
	Purity 99%			+/- 128.0281 µg/mL		Stressed

Reagent

VM571993S_00002

Rec: 2-1-17

VM571993s - 00002

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571993.sec **Lot No.:** A0123771

Description : 8260 List 3/ Std#1 Polar Additions (2017)

8260 List 3/ Std#1 Polar Additions (2017) 2500-25,000 µg/ml, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2018 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetonitrile **CAS #** 75-05-8.SEC (Lot 7KGDA) **Purity** 99%	25,091.5 µg/mL	+/- 146.9162 µg/mL +/- 1,241.3442 µg/mL +/- 1,272.2054 µg/mL	Gravimetric Unstressed Stressed
2	Diisopropyl ether (DIPE) **CAS #** 108-20-3.SEC (Lot LL7TN-SH) **Purity** 98%	2,525.0 µg/mL	+/- 14.8179 µg/mL +/- 124.9211 µg/mL +/- 128.0265 µg/mL	Gravimetric Unstressed Stressed
3	Ethyl-tert-butyl ether (ETBE) **CAS #** 637-92-3.SEC (Lot MHBJG-QK) **Purity** 99%	2,509.0 µg/mL	+/- 14.7242 µg/mL +/- 124.1310 µg/mL +/- 127.2168 µg/mL	Gravimetric Unstressed Stressed
4	Propionitrile **CAS #** 107-12-0.SEC (Lot RTXQL) **Purity** 99%	25,125.5 µg/mL	+/- 147.1153 µg/mL +/- 1,243.0263 µg/mL +/- 1,273.9293 µg/mL	Gravimetric Unstressed Stressed
5	tert-Amyl alcohol **CAS #** 75-85-4.SEC (Lot MMGO1) **Purity** 99%	25,056.0 µg/mL	+/- 146.7084 µg/mL +/- 1,239.5880 µg/mL +/- 1,270.4054 µg/mL	Gravimetric Unstressed Stressed
6	tert-Amyl methyl ether (TAME) **CAS #** 994-05-8.SEC (Lot 5614600) **Purity** 99%	2,517.5 µg/mL	+/- 14.7741 µg/mL +/- 124.5515 µg/mL +/- 127.6478 µg/mL	Gravimetric Unstressed Stressed

Reagent

VM571993S_00005

VM571993S-00005 RCC: 12/4/18

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571993.SEC **Lot No.:** A0139245

Description : 8260 List 3/ Std#1 Polar Additions (2017)

8260 List 3/ Std#1 Polar Additions (2017) 2,500-25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acetonitrile	25,059.0 µg/mL	+/- 146.7260	µg/mL	Gravimetric
	CAS # 75-05-8.SEC (Lot 7KGDA)		+/- 1,239.7364	µg/mL	Unstressed
	Purity 99%		+/- 1,270.5575	µg/mL	Stressed
2	Diisopropyl ether (DIPE)	2,518.6 µg/mL	+/- 14.7806	µg/mL	Gravimetric
	CAS # 108-20-3.SEC (Lot LL7TN-SH)		+/- 124.6059	µg/mL	Unstressed
	Purity 98%		+/- 127.7036	µg/mL	Stressed
3	Ethyl-tert-butyl ether (ETBE)	2,508.0 µg/mL	+/- 14.7183	µg/mL	Gravimetric
	CAS # 637-92-3.SEC (Lot MHBJG-QK)		+/- 124.0815	µg/mL	Unstressed
	Purity 99%		+/- 127.1661	µg/mL	Stressed
4	Propionitrile	25,069.0 µg/mL	+/- 146.7845	µg/mL	Gravimetric
	CAS # 107-12-0.SEC (Lot SASVN)		+/- 1,240.2311	µg/mL	Unstressed
	Purity 99%		+/- 1,271.0646	µg/mL	Stressed
5	tert-Amyl alcohol	25,008.0 µg/mL	+/- 146.4273	µg/mL	Gravimetric
	CAS # 75-85-4.SEC (Lot MMGO1)		+/- 1,237.2133	µg/mL	Unstressed
	Purity 99%		+/- 1,267.9717	µg/mL	Stressed
6	tert-Amyl methyl ether (TAME)	2,501.0 µg/mL	+/- 14.6770	µg/mL	Gravimetric
	CAS # 994-05-8.SEC (Lot 7375800)		+/- 123.7332	µg/mL	Unstressed
	Purity 98%		+/- 126.8091	µg/mL	Stressed

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

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 #
MSA-SW37A-061520	240-131928-1	101	95	103	93
MSA-SW37B-061520	240-131928-2	99	94	101	92
MSA-SW37C-061520	240-131928-3	100	95	104	92
MSA-SW37D-061520	240-131928-4	100	96	104	95
MSA-SW38A-061520	240-131928-5	100	93	101	92
MSA-SW38B-061520	240-131928-6	103	97	104	96
MSA-SW38C-061520	240-131928-7	100	94	100	91
MSA-SW38D-061520	240-131928-8	99	94	102	91
MSA-SW40A-061520	240-131928-9	102	95	101	93
MSA-SW40B-061520	240-131928-10	101	98	104	98
MSA-SW40C-061520	240-131928-11	99	94	103	91
MSA-SW40D-061520	240-131928-12	90	103	92	86
MSA-SW41A-061520	240-131928-13	99	110	99	96
MSA-SW41B-061520	240-131928-14	92	106	93	88
MSA-SW41C-061520	240-131928-15	95	110	95	90
MSA-SW41D-061520	240-131928-16	93	110	98	96
MSA-SW42A-061520	240-131928-17	95	92	101	92
MSA-SW42B-061520	240-131928-18	113	118	109	116
MSA-SW42C-061520	240-131928-19	112	115	107	114
MSA-SW42D-061520	240-131928-20	111	116	105	112
MSA-SW43A-061520	240-131928-21	110	115	106	112
MSA-SW43B--061520	240-131928-22	112	115	107	114
MSA-SW43C-061520	240-131928-23	112	116	107	113
MSA-SW43D-061520	240-131928-24	110	111	104	110
MSA-SW44A-061520	240-131928-25	110	115	106	113
MSA-SW44B-061520	240-131928-26	107	115	106	112
MSA-SW44C-061520	240-131928-27	108	114	106	110
MSA-SW44D-061520	240-131928-28	109	114	105	110
TB--061520	240-131928-29	112	116	105	110
MSA-SW46A-061520	240-131928-30	112	116	107	113
MSA-SW47A-061520	240-131928-31	112	116	106	111
MSA-SW48A-061520	240-131928-32	109	115	105	110
MSA-SW49A--061520	240-131928-33	109	116	106	109
EL-SW01A-061520	240-131928-34	108	113	106	110
EL-SW01B-061520	240-131928-35	110	114	107	111

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	78-129
DCA = 1,2-Dichloroethane-d4 (Surr)	75-130
TOL = Toluene-d8 (Surr)	69-122
BFB = 4-Bromofluorobenzene (Surr)	47-134

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

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 #
EL-SW01C-061520	240-131928-36	111	116	105	110
EL-SW01D-061520	240-131928-37	108	114	105	110
	MB 240-440070/8	109	114	106	112
	MB 240-440074/8	96	107	96	92
	MB 240-440080/8	98	94	102	96
	MB 240-440294/8	99	94	103	94
	LCS 240-440070/5	105	108	108	113
	LCS 240-440074/5	96	106	97	91
	LCS 240-440080/5	94	90	108	105
	LCS 240-440294/5	92	87	107	102

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	78-129
DCA = 1,2-Dichloroethane-d4 (Surr)	75-130
TOL = Toluene-d8 (Surr)	69-122
BFB = 4-Bromofluorobenzene (Surr)	47-134

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXM29281.D

Lab ID: LCS 240-440070/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	17.2	86	77-120	
1,1,1-Trichloroethane	20.0	16.9	84	65-141	
1,1,2,2-Tetrachloroethane	20.0	16.0	80	45-151	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	15.2	76	54-148	
1,1-Dichloroethane	20.0	16.8	84	74-126	
1,1-Dichloroethene	20.0	17.5	88	73-129	
1,1-Dichloropropene	20.0	16.8	84	78-120	
1,2,3-Trichlorobenzene	20.0	16.2	81	42-126	
1,2,3-Trichloropropane	20.0	17.6	88	57-137	
1,2,4-Trichlorobenzene	20.0	15.8	79	47-120	
1,2,4-Trimethylbenzene	20.0	16.9	84	66-129	
1,2-Dibromo-3-Chloropropane	20.0	16.5	83	34-136	
1,2-Dichlorobenzene	20.0	15.8	79	74-120	
1,2-Dichloroethane	20.0	16.7	83	66-129	
1,2-Dichloropropane	20.0	17.3	87	79-127	
1,3-Dichlorobenzene	20.0	16.2	81	74-120	
1,3-Dichloropropane	20.0	17.0	85	74-122	
1,4-Dichlorobenzene	20.0	16.6	83	75-120	
2,2-Dichloropropane	20.0	15.1	76	67-137	
2-Chloroethyl vinyl ether	20.0	16.9	84	29-146	
2-Chlorotoluene	20.0	16.1	81	73-126	
2-Hexanone	40.0	35.0	88	43-142	
Bromobenzene	20.0	16.6	83	77-120	
Bromochloromethane	20.0	15.6	78	70-128	
4-Chlorotoluene	20.0	16.6	83	73-126	
p-Isopropyltoluene	20.0	16.7	84	66-127	
Acetone	40.0	32.4	81	33-155	
Benzene	20.0	16.8	84	77-123	
Bromoform	20.0	16.7	83	47-133	
Bromomethane	20.0	13.4	67	48-144	
Carbon disulfide	20.0	17.5	88	67-127	
Carbon tetrachloride	20.0	17.2	86	61-142	
Chlorobenzene	20.0	16.6	83	80-120	
Chloroethane	20.0	19.7	99	41-147	
Chloroform	20.0	16.1	81	74-127	
Chloromethane	20.0	19.5	98	46-148	
cis-1,2-Dichloroethene	20.0	17.0	85	75-124	
cis-1,3-Dichloropropene	20.0	16.7	84	68-128	
Hexachlorobutadiene	20.0	16.4	82	40-120	
Dibromomethane	20.0	16.8	84	67-121	
Bromodichloromethane	20.0	16.8	84	73-122	

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, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXM29281.D

Lab ID: LCS 240-440070/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	20.0	17.4	87	35-137	
Ethylbenzene	20.0	16.8	84	80-120	
1,2-Dibromoethane	20.0	17.2	86	73-120	
Naphthalene	20.0	15.8	79	28-130	
m-Xylene & p-Xylene	20.0	16.8	84	79-121	
n-Butylbenzene	20.0	16.4	82	54-129	
Isopropylbenzene	20.0	17.1	85	73-123	
n-Propylbenzene	20.0	16.3	82	67-130	
2-Butanone	40.0	32.7	82	41-151	
4-Methyl-2-pentanone	40.0	34.6	87	43-145	
sec-Butylbenzene	20.0	16.6	83	60-131	
Methyl tert-butyl ether	20.0	17.4	87	57-127	
Methylene Chloride	20.0	16.7	84	63-134	
o-Xylene	20.0	16.8	84	75-123	
Styrene	20.0	17.0	85	75-121	
tert-Butylbenzene	20.0	16.7	83	63-126	
Tetrachloroethene	20.0	17.1	85	70-125	
Toluene	20.0	16.7	84	79-122	
trans-1,2-Dichloroethene	20.0	17.2	86	74-130	
trans-1,3-Dichloropropene	20.0	15.9	80	64-120	
Trichloroethene	20.0	17.4	87	71-121	
Trichlorofluoromethane	20.0	19.8	99	52-148	
Vinyl acetate	20.0	15.1	76	44-160	
Vinyl chloride	20.0	19.7	98	61-134	
tert-Butyl alcohol	200	173	87	15-169	
Xylenes, Total	40.0	33.6	84	78-122	
Dibromochloromethane	20.0	16.9	85	75-120	

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, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U1278703a.D

Lab ID: LCS 240-440074/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	18.5	92	77-120	
1,1,1-Trichloroethane	20.0	20.0	100	65-141	
1,1,2,2-Tetrachloroethane	20.0	20.6	103	45-151	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	19.7	99	54-148	
1,1-Dichloroethane	20.0	20.1	101	74-126	
1,1-Dichloroethene	20.0	21.0	105	73-129	
1,1-Dichloropropene	20.0	19.5	97	78-120	
1,2,3-Trichlorobenzene	20.0	18.1	90	42-126	
1,2,3-Trichloropropane	20.0	19.4	97	57-137	
1,2,4-Trichlorobenzene	20.0	17.4	87	47-120	
1,2,4-Trimethylbenzene	20.0	19.1	95	66-129	
1,2-Dibromo-3-Chloropropane	20.0	18.0	90	34-136	
1,2-Dichlorobenzene	20.0	18.1	90	74-120	
1,2-Dichloroethane	20.0	20.6	103	66-129	
1,2-Dichloropropane	20.0	21.0	105	79-127	
1,3-Dichlorobenzene	20.0	17.8	89	74-120	
1,3-Dichloropropane	20.0	19.6	98	74-122	
1,4-Dichlorobenzene	20.0	17.6	88	75-120	
2,2-Dichloropropane	20.0	20.6	103	67-137	
2-Chloroethyl vinyl ether	20.0	21.2	106	29-146	
2-Chlorotoluene	20.0	18.8	94	73-126	
2-Hexanone	40.0	41.7	104	43-142	
Bromobenzene	20.0	18.5	92	77-120	
Bromochloromethane	20.0	20.5	102	70-128	
4-Chlorotoluene	20.0	18.9	94	73-126	
p-Isopropyltoluene	20.0	18.9	95	66-127	
Acetone	40.0	45.0	112	33-155	
Benzene	20.0	19.5	98	77-123	
Bromoform	20.0	18.7	93	47-133	
Bromomethane	20.0	19.0	95	48-144	
Carbon disulfide	20.0	16.7	84	67-127	
Carbon tetrachloride	20.0	19.7	99	61-142	
Chlorobenzene	20.0	18.5	93	80-120	
Chloroethane	20.0	19.8	99	41-147	
Chloroform	20.0	20.0	100	74-127	
Chloromethane	20.0	28.7	144	46-148	
cis-1,2-Dichloroethene	20.0	18.7	93	75-124	
cis-1,3-Dichloropropene	20.0	19.0	95	68-128	
Hexachlorobutadiene	20.0	14.6	73	40-120	
Dibromomethane	20.0	17.4	87	67-121	
Bromodichloromethane	20.0	19.4	97	73-122	

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, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U1278703a.D

Lab ID: LCS 240-440074/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	20.0	17.2	86	35-137	
Ethylbenzene	20.0	18.9	95	80-120	
1,2-Dibromoethane	20.0	18.8	94	73-120	
Naphthalene	20.0	18.6	93	28-130	
m-Xylene & p-Xylene	20.0	18.9	95	79-121	
n-Butylbenzene	20.0	18.7	93	54-129	
Isopropylbenzene	20.0	19.0	95	73-123	
n-Propylbenzene	20.0	19.6	98	67-130	
2-Butanone	40.0	38.7	97	41-151	
4-Methyl-2-pentanone	40.0	41.6	104	43-145	
sec-Butylbenzene	20.0	18.7	94	60-131	
Methyl tert-butyl ether	20.0	19.8	99	57-127	
Methylene Chloride	20.0	20.0	100	63-134	
o-Xylene	20.0	18.8	94	75-123	
Styrene	20.0	18.8	94	75-121	
tert-Butylbenzene	20.0	18.5	92	63-126	
Tetrachloroethene	20.0	18.7	94	70-125	
Toluene	20.0	19.2	96	79-122	
trans-1,2-Dichloroethene	20.0	20.7	103	74-130	
trans-1,3-Dichloropropene	20.0	18.2	91	64-120	
Trichloroethene	20.0	18.8	94	71-121	
Trichlorofluoromethane	20.0	20.2	101	52-148	
Vinyl acetate	20.0	20.7	103	44-160	
Vinyl chloride	20.0	18.7	93	61-134	
tert-Butyl alcohol	200	174	87	15-169	
Xylenes, Total	40.0	37.7	94	78-122	
Dibromochloromethane	20.0	18.8	94	75-120	

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, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U1915174.d

Lab ID: LCS 240-440080/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	19.6	98	77-120	
1,1,1-Trichloroethane	20.0	17.5	87	65-141	
1,1,2,2-Tetrachloroethane	20.0	25.4	127	45-151	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	19.3	97	54-148	
1,1-Dichloroethane	20.0	20.5	102	74-126	
1,1-Dichloroethene	20.0	19.4	97	73-129	
1,1-Dichloropropene	20.0	19.4	97	78-120	
1,2,3-Trichlorobenzene	20.0	19.0	95	42-126	
1,2,3-Trichloropropane	20.0	21.4	107	57-137	
1,2,4-Trichlorobenzene	20.0	17.6	88	47-120	
1,2,4-Trimethylbenzene	20.0	22.4	112	66-129	
1,2-Dibromo-3-Chloropropane	20.0	21.0	105	34-136	
1,2-Dichlorobenzene	20.0	20.8	104	74-120	
1,2-Dichloroethane	20.0	17.0	85	66-129	
1,2-Dichloropropane	20.0	21.1	106	79-127	
1,3-Dichlorobenzene	20.0	19.9	99	74-120	
1,3-Dichloropropane	20.0	21.7	109	74-122	
1,4-Dichlorobenzene	20.0	19.5	98	75-120	
2,2-Dichloropropane	20.0	19.1	95	67-137	
2-Chloroethyl vinyl ether	20.0	18.3	91	29-146	
2-Chlorotoluene	20.0	22.0	110	73-126	
2-Hexanone	40.0	40.6	101	43-142	
Bromobenzene	20.0	19.0	95	77-120	
Bromochloromethane	20.0	19.3	96	70-128	
4-Chlorotoluene	20.0	20.9	105	73-126	
p-Isopropyltoluene	20.0	21.0	105	66-127	
Acetone	40.0	56.4	141	33-155	
Benzene	20.0	21.2	106	77-123	
Bromoform	20.0	17.0	85	47-133	
Bromomethane	20.0	17.7	89	48-144	
Carbon disulfide	20.0	20.2	101	67-127	
Carbon tetrachloride	20.0	16.4	82	61-142	
Chlorobenzene	20.0	19.8	99	80-120	
Chloroethane	20.0	20.9	105	41-147	
Chloroform	20.0	19.7	98	74-127	
Chloromethane	20.0	19.6	98	46-148	
cis-1,2-Dichloroethene	20.0	20.0	100	75-124	
cis-1,3-Dichloropropene	20.0	19.0	95	68-128	
Hexachlorobutadiene	20.0	14.7	74	40-120	
Dibromomethane	20.0	15.8	79	67-121	
Bromodichloromethane	20.0	18.6	93	73-122	

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, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U1915174.d

Lab ID: LCS 240-440080/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	20.0	14.2	71	35-137	
Ethylbenzene	20.0	20.6	103	80-120	
1,2-Dibromoethane	20.0	19.5	98	73-120	
Naphthalene	20.0	21.8	109	28-130	
m-Xylene & p-Xylene	20.0	21.2	106	79-121	
n-Butylbenzene	20.0	21.5	107	54-129	
Isopropylbenzene	20.0	21.1	106	73-123	
n-Propylbenzene	20.0	21.7	108	67-130	
2-Butanone	40.0	44.0	110	41-151	
4-Methyl-2-pentanone	40.0	37.9	95	43-145	
sec-Butylbenzene	20.0	21.5	108	60-131	
Methyl tert-butyl ether	20.0	18.3	92	57-127	
Methylene Chloride	20.0	20.1	100	63-134	
o-Xylene	20.0	21.5	107	75-123	
Styrene	20.0	21.1	106	75-121	
tert-Butylbenzene	20.0	20.3	101	63-126	
Tetrachloroethene	20.0	17.5	88	70-125	
Toluene	20.0	21.9	110	79-122	
trans-1,2-Dichloroethene	20.0	20.2	101	74-130	
trans-1,3-Dichloropropene	20.0	18.2	91	64-120	
Trichloroethene	20.0	17.4	87	71-121	
Trichlorofluoromethane	20.0	15.4	77	52-148	
Vinyl acetate	20.0	18.4	92	44-160	
Vinyl chloride	20.0	19.7	98	61-134	
tert-Butyl alcohol	200	304	152	15-169	
Xylenes, Total	40.0	42.7	107	78-122	
Dibromochloromethane	20.0	19.2	96	75-120	

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, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U1915204.d

Lab ID: LCS 240-440294/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	20.0	20.2	101	77-120	
1,1,1-Trichloroethane	20.0	17.8	89	65-141	
1,1,2,2-Tetrachloroethane	20.0	25.4	127	45-151	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	20.0	100	54-148	
1,1-Dichloroethane	20.0	21.0	105	74-126	
1,1-Dichloroethene	20.0	19.8	99	73-129	
1,1-Dichloropropene	20.0	19.8	99	78-120	
1,2,3-Trichlorobenzene	20.0	19.2	96	42-126	
1,2,3-Trichloropropane	20.0	21.3	106	57-137	
1,2,4-Trichlorobenzene	20.0	17.2	86	47-120	
1,2,4-Trimethylbenzene	20.0	22.3	111	66-129	
1,2-Dibromo-3-Chloropropane	20.0	21.4	107	34-136	
1,2-Dichlorobenzene	20.0	21.0	105	74-120	
1,2-Dichloroethane	20.0	17.3	86	66-129	
1,2-Dichloropropane	20.0	21.6	108	79-127	
1,3-Dichlorobenzene	20.0	20.0	100	74-120	
1,3-Dichloropropane	20.0	21.8	109	74-122	
1,4-Dichlorobenzene	20.0	19.6	98	75-120	
2,2-Dichloropropane	20.0	18.7	93	67-137	
2-Chloroethyl vinyl ether	20.0	18.7	94	29-146	
2-Chlorotoluene	20.0	21.7	108	73-126	
2-Hexanone	40.0	41.2	103	43-142	
Bromobenzene	20.0	19.4	97	77-120	
Bromochloromethane	20.0	19.5	98	70-128	
4-Chlorotoluene	20.0	21.2	106	73-126	
p-Isopropyltoluene	20.0	20.6	103	66-127	
Acetone	40.0	57.1	143	33-155	
Benzene	20.0	21.8	109	77-123	
Bromoform	20.0	17.7	89	47-133	
Bromomethane	20.0	18.2	91	48-144	
Carbon disulfide	20.0	20.8	104	67-127	
Carbon tetrachloride	20.0	16.6	83	61-142	
Chlorobenzene	20.0	20.6	103	80-120	
Chloroethane	20.0	20.9	105	41-147	
Chloroform	20.0	19.6	98	74-127	
Chloromethane	20.0	20.0	100	46-148	
cis-1,2-Dichloroethene	20.0	20.6	103	75-124	
cis-1,3-Dichloropropene	20.0	19.5	97	68-128	
Hexachlorobutadiene	20.0	14.6	73	40-120	
Dibromomethane	20.0	16.1	80	67-121	
Bromodichloromethane	20.0	18.6	93	73-122	

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, Canton Job No.: 240-131928-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U1915204.d

Lab ID: LCS 240-440294/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	20.0	14.9	74	35-137	
Ethylbenzene	20.0	21.0	105	80-120	
1,2-Dibromoethane	20.0	20.4	102	73-120	
Naphthalene	20.0	21.8	109	28-130	
m-Xylene & p-Xylene	20.0	21.7	108	79-121	
n-Butylbenzene	20.0	21.3	106	54-129	
Isopropylbenzene	20.0	21.4	107	73-123	
n-Propylbenzene	20.0	21.7	109	67-130	
2-Butanone	40.0	44.0	110	41-151	
4-Methyl-2-pentanone	40.0	39.0	98	43-145	
sec-Butylbenzene	20.0	21.3	106	60-131	
Methyl tert-butyl ether	20.0	18.6	93	57-127	
Methylene Chloride	20.0	20.5	103	63-134	
o-Xylene	20.0	22.2	111	75-123	
Styrene	20.0	21.7	108	75-121	
tert-Butylbenzene	20.0	19.7	99	63-126	
Tetrachloroethene	20.0	18.2	91	70-125	
Toluene	20.0	22.5	112	79-122	
trans-1,2-Dichloroethene	20.0	20.7	104	74-130	
trans-1,3-Dichloropropene	20.0	18.4	92	64-120	
Trichloroethene	20.0	17.8	89	71-121	
Trichlorofluoromethane	20.0	15.9	80	52-148	
Vinyl acetate	20.0	20.2	101	44-160	
Vinyl chloride	20.0	20.3	101	61-134	
tert-Butyl alcohol	200	264	132	15-169	
Xylenes, Total	40.0	43.9	110	78-122	
Dibromochloromethane	20.0	19.7	98	75-120	

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, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: U1915177.d Lab Sample ID: MB 240-440080/8

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

Instrument ID: A3UX19 Date Analyzed: 06/25/2020 18:02

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 240-440080/5	U1915174.d	06/25/2020 16:55
MSA-SW37A-061520	240-131928-1	U1915191.d	06/25/2020 23:18
MSA-SW37B-061520	240-131928-2	U1915192.d	06/25/2020 23:40
MSA-SW37C-061520	240-131928-3	U1915193.d	06/26/2020 00:03
MSA-SW37D-061520	240-131928-4	U1915194.d	06/26/2020 00:25
MSA-SW38A-061520	240-131928-5	U1915195.d	06/26/2020 00:47
MSA-SW38B-061520	240-131928-6	U1915196.d	06/26/2020 01:10
MSA-SW38C-061520	240-131928-7	U1915197.d	06/26/2020 01:33
MSA-SW38D-061520	240-131928-8	U1915198.d	06/26/2020 01:55
MSA-SW40A-061520	240-131928-9	U1915199.d	06/26/2020 02:18
MSA-SW40B-061520	240-131928-10	U1915200.d	06/26/2020 02:40
MSA-SW40C-061520	240-131928-11	U1915201.d	06/26/2020 03:02

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: U1278706.D Lab Sample ID: MB 240-440074/8

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

Instrument ID: A3UX12 Date Analyzed: 06/25/2020 18:06

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 240-440074/5	U1278703a.D	06/25/2020 16:58
MSA-SW40D-061520	240-131928-12	U1278726.D	06/26/2020 01:34
MSA-SW41A-061520	240-131928-13	U1278727.D	06/26/2020 01:56
MSA-SW41B-061520	240-131928-14	U1278728.D	06/26/2020 02:19
MSA-SW41C-061520	240-131928-15	U1278729.D	06/26/2020 02:41
MSA-SW41D-061520	240-131928-16	U1278730.D	06/26/2020 03:04

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: UXM29284.D Lab Sample ID: MB 240-440070/8

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

Instrument ID: A3UX16 Date Analyzed: 06/26/2020 02:29

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 240-440070/5	UXM29281.D	06/26/2020 01:15
MSA-SW42B-061520	240-131928-18	UXM29285.D	06/26/2020 02:54
MSA-SW42C-061520	240-131928-19	UXM29286.D	06/26/2020 03:19
MSA-SW42D-061520	240-131928-20	UXM29287.D	06/26/2020 03:43
MSA-SW43A-061520	240-131928-21	UXM29288.D	06/26/2020 04:08
MSA-SW43B--061520	240-131928-22	UXM29289.D	06/26/2020 04:33
MSA-SW43C-061520	240-131928-23	UXM29290.D	06/26/2020 04:58
MSA-SW43D-061520	240-131928-24	UXM29291.D	06/26/2020 05:23
MSA-SW44A-061520	240-131928-25	UXM29292.D	06/26/2020 05:48
MSA-SW44B-061520	240-131928-26	UXM29293.D	06/26/2020 06:13
MSA-SW44C-061520	240-131928-27	UXM29294.D	06/26/2020 06:38
MSA-SW44D-061520	240-131928-28	UXM29295.D	06/26/2020 07:02
TB--061520	240-131928-29	UXM29296.D	06/26/2020 07:26
MSA-SW46A-061520	240-131928-30	UXM29297.D	06/26/2020 07:51
MSA-SW47A-061520	240-131928-31	UXM29298.D	06/26/2020 08:16
MSA-SW48A-061520	240-131928-32	UXM29299.D	06/26/2020 08:41
MSA-SW49A--061520	240-131928-33	UXM29300.D	06/26/2020 09:05
EL-SW01A-061520	240-131928-34	UXM29301.D	06/26/2020 09:30
EL-SW01B-061520	240-131928-35	UXM29302.D	06/26/2020 09:55
EL-SW01C-061520	240-131928-36	UXM29303.D	06/26/2020 10:19
EL-SW01D-061520	240-131928-37	UXM29304.D	06/26/2020 10:44

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: U1915207.d Lab Sample ID: MB 240-440294/8

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

Instrument ID: A3UX19 Date Analyzed: 06/26/2020 17:54

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 240-440294/5	U1915204.d	06/26/2020 16:46
MSA-SW42A-061520	240-131928-17	U1915225.d	06/27/2020 00:39

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: BFB4108.D BFB Injection Date: 04/30/2019

Instrument ID: A3UX12 BFB Injection Time: 13:47

Analysis Batch No.: 378870

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	46.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	86.4	
175	5.0 - 9.0 % of mass 174	6.3	(7.3) 1
176	95.0 - 101.0 % of mass 174	83.6	(96.8) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-378870/8	U1269795.D	04/30/2019	14:10
	STD8260 240-378870/9	U1269796.D	04/30/2019	14:33
	STD8260 240-378870/10	U1269797.D	04/30/2019	14:55
	ICIS 240-378870/11	U1269798.D	04/30/2019	15:17
	STD8260 240-378870/12	U1269799.D	04/30/2019	15:39
	STD8260 240-378870/13	U1269800.D	04/30/2019	16:02
	STD8260 240-378870/14	U1269801.D	04/30/2019	16:24
	ICV 240-378870/15	U1269802.D	04/30/2019	16:46
	STDA9 240-378870/18	U1269805.D	04/30/2019	17:52
	STDA9 240-378870/19	U1269806a.D	04/30/2019	18:14
	STDA9 240-378870/20	U1269807.D	04/30/2019	18:37
	STDA9 240-378870/21	U1269808.D	04/30/2019	18:59
	STDA9 240-378870/22	U1269809.D	04/30/2019	19:21
	STDA9 240-378870/23	U1269810.D	04/30/2019	19:43
	STDA9 240-378870/24	U1269811.D	04/30/2019	20:05
	ICV 240-378870/25	U1269812.D	04/30/2019	20:27

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: BFB4419.D BFB Injection Date: 06/25/2020

Instrument ID: A3UX12 BFB Injection Time: 15:52

Analysis Batch No.: 440074

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.6	
75	30.0 - 60.0 % of mass 95	51.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	80.2	
175	5.0 - 9.0 % of mass 174	6.3	(7.9) 1
176	95.0 - 101.0 % of mass 174	79.0	(98.5) 1
177	5.0 - 9.0 % of mass 176	5.2	(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
	CCV 240-440074/3	U1278701.D	06/25/2020	16:14
	CCVIS 240-440074/4	U1278702.D	06/25/2020	16:36
	LCS 240-440074/5	U1278703a.D	06/25/2020	16:58
	MB 240-440074/8	U1278706.D	06/25/2020	18:06
MSA-SW40D-061520	240-131928-12	U1278726.D	06/26/2020	1:34
MSA-SW41A-061520	240-131928-13	U1278727.D	06/26/2020	1:56
MSA-SW41B-061520	240-131928-14	U1278728.D	06/26/2020	2:19
MSA-SW41C-061520	240-131928-15	U1278729.D	06/26/2020	2:41
MSA-SW41D-061520	240-131928-16	U1278730.D	06/26/2020	3:04

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: BFB6395.D BFB Injection Date: 05/18/2020

Instrument ID: A3UX16 BFB Injection Time: 08:55

Analysis Batch No.: 434666

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.0	
75	30.0 - 60.0 % of mass 95	48.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	77.0	
175	5.0 - 9.0 % of mass 174	5.7	(7.4) 1
176	95.0 - 101.0 % of mass 174	74.1	(96.2) 1
177	5.0 - 9.0 % of mass 176	4.5	(6.1) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-434666/9	UXM27982.D	05/18/2020	9:45
	STD8260 240-434666/10	UXM27983.D	05/18/2020	10:10
	STD8260 240-434666/11	UXM27984.D	05/18/2020	10:34
	ICIS 240-434666/12	UXM27985.D	05/18/2020	10:59
	STD8260 240-434666/13	UXM27986.D	05/18/2020	11:24
	STD8260 240-434666/14	UXM27987.D	05/18/2020	11:48
	STD8260 240-434666/15	UXM27988.D	05/18/2020	12:13
	STDA9 240-434666/19	UXM27992.D	05/18/2020	13:52
	STDA9 240-434666/20	UXM27993.D	05/18/2020	14:17
	STDA9 240-434666/21	UXM27994.D	05/18/2020	14:42
	STDA9 240-434666/22	UXM27995.D	05/18/2020	15:07
	STDA9 240-434666/23	UXM27996.D	05/18/2020	15:31
	STDA9 240-434666/24	UXM27997.D	05/18/2020	15:56
	ICV 240-434666/25	UXM27998.D	05/18/2020	16:21

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: BFB6434.D BFB Injection Date: 06/24/2020

Instrument ID: A3UX16 BFB Injection Time: 09:03

Analysis Batch No.: 439793

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.5	
75	30.0 - 60.0 % of mass 95	47.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.7	(0.9) 1
174	50.0 - 120.00 % of mass 95	79.9	
175	5.0 - 9.0 % of mass 174	5.8	(7.2) 1
176	95.0 - 101.0 % of mass 174	77.3	(96.7) 1
177	5.0 - 9.0 % of mass 176	4.7	(6.0) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-439793/9	UXM29196.D	06/24/2020	9:52
	STD8260 240-439793/10	UXM29197.D	06/24/2020	10:16
	STD8260 240-439793/11	UXM29198.D	06/24/2020	10:41
	ICIS 240-439793/12	UXM29199.D	06/24/2020	11:05
	STD8260 240-439793/13	UXM29200.D	06/24/2020	11:29
	STD8260 240-439793/14	UXM29201.D	06/24/2020	11:53
	STD8260 240-439793/15	UXM29202.D	06/24/2020	12:17
	ICV 240-439793/16	UXM29203.D	06/24/2020	12:42

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: BFB6437.D BFB Injection Date: 06/26/2020

Instrument ID: A3UX16 BFB Injection Time: 00:02

Analysis Batch No.: 440070

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.3	
75	30.0 - 60.0 % of mass 95	46.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.3	(0.3) 1
174	50.0 - 120.00 % of mass 95	80.5	
175	5.0 - 9.0 % of mass 174	5.8	(7.2) 1
176	95.0 - 101.0 % of mass 174	78.5	(97.5) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-440070/3	UXM29279.D	06/26/2020	0:26
	CCV 240-440070/4	UXM29280.D	06/26/2020	0:50
	LCS 240-440070/5	UXM29281.D	06/26/2020	1:15
	MB 240-440070/8	UXM29284.D	06/26/2020	2:29
MSA-SW42B-061520	240-131928-18	UXM29285.D	06/26/2020	2:54
MSA-SW42C-061520	240-131928-19	UXM29286.D	06/26/2020	3:19
MSA-SW42D-061520	240-131928-20	UXM29287.D	06/26/2020	3:43
MSA-SW43A-061520	240-131928-21	UXM29288.D	06/26/2020	4:08
MSA-SW43B--061520	240-131928-22	UXM29289.D	06/26/2020	4:33
MSA-SW43C-061520	240-131928-23	UXM29290.D	06/26/2020	4:58
MSA-SW43D-061520	240-131928-24	UXM29291.D	06/26/2020	5:23
MSA-SW44A-061520	240-131928-25	UXM29292.D	06/26/2020	5:48
MSA-SW44B-061520	240-131928-26	UXM29293.D	06/26/2020	6:13
MSA-SW44C-061520	240-131928-27	UXM29294.D	06/26/2020	6:38
MSA-SW44D-061520	240-131928-28	UXM29295.D	06/26/2020	7:02
TB--061520	240-131928-29	UXM29296.D	06/26/2020	7:26
MSA-SW46A-061520	240-131928-30	UXM29297.D	06/26/2020	7:51
MSA-SW47A-061520	240-131928-31	UXM29298.D	06/26/2020	8:16
MSA-SW48A-061520	240-131928-32	UXM29299.D	06/26/2020	8:41
MSA-SW49A--061520	240-131928-33	UXM29300.D	06/26/2020	9:05
EL-SW01A-061520	240-131928-34	UXM29301.D	06/26/2020	9:30
EL-SW01B-061520	240-131928-35	UXM29302.D	06/26/2020	9:55
EL-SW01C-061520	240-131928-36	UXM29303.D	06/26/2020	10:19
EL-SW01D-061520	240-131928-37	UXM29304.D	06/26/2020	10:44

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: bfb036.d BFB Injection Date: 07/24/2018

Instrument ID: A3UX19 BFB Injection Time: 17:22

Analysis Batch No.: 337766

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.1	
75	30.0 - 60.0 % of mass 95	53.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	1.1	(1.2) 1
174	50.0 - 120.00 % of mass 95	84.3	
175	5.0 - 9.0 % of mass 174	6.2	(7.4) 1
176	95.0 - 101.0 % of mass 174	80.7	(95.7) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-337766/2	U1900783.d	07/24/2018	17:50
	STD8260 240-337766/3	U1900784.d	07/24/2018	18:13
	STD8260 240-337766/9	U1900790.d	07/24/2018	18:35
	ICIS 240-337766/10	U1900791.d	07/24/2018	18:57
	STD8260 240-337766/11	U1900792.d	07/24/2018	19:20
	STD8260 240-337766/12	U1900793.d	07/24/2018	19:42
	STD8260 240-337766/13	U1900794.d	07/24/2018	20:04

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: bfb037.d BFB Injection Date: 07/25/2018

Instrument ID: A3UX19 BFB Injection Time: 11:28

Analysis Batch No.: 337917

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.4	
75	30.0 - 60.0 % of mass 95	52.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	1.1	(1.3) 1
174	50.0 - 120.00 % of mass 95	82.7	
175	5.0 - 9.0 % of mass 174	6.4	(7.8) 1
176	95.0 - 101.0 % of mass 174	80.3	(97.1) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STDA9 240-337917/8	U1900802.d	07/25/2018	13:24
	STDA9 240-337917/9	U1900803.d	07/25/2018	13:46
	STDA9 240-337917/10	U1900804.d	07/25/2018	14:08
	STDA9 240-337917/11	U1900805.d	07/25/2018	14:30
	STDA9 240-337917/12	U1900806.d	07/25/2018	14:52
	STDA9 240-337917/13	U1900807.d	07/25/2018	15:15
	ICV 240-337917/14	U1900808.d	07/25/2018	15:37

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: bfb058.d BFB Injection Date: 08/27/2018

Instrument ID: A3UX19 BFB Injection Time: 16:23

Analysis Batch No.: 342719

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.5	
75	30.0 - 60.0 % of mass 95	49.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.6	(0.6) 1
174	50.0 - 120.00 % of mass 95	94.9	
175	5.0 - 9.0 % of mass 174	7.3	(7.7) 1
176	95.0 - 101.0 % of mass 174	92.7	(97.7) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-342719/7	U1901323.d	08/27/2018	17:09
	STD8260 240-342719/8	U1901324.d	08/27/2018	17:31
	STD8260 240-342719/9	U1901325.d	08/27/2018	17:53
	ICIS 240-342719/10	U1901326.d	08/27/2018	18:16
	STD8260 240-342719/11	U1901327.d	08/27/2018	18:38
	STD8260 240-342719/12	U1901328.d	08/27/2018	19:01
	STD8260 240-342719/13	U1901329.d	08/27/2018	19:23
	ICV 240-342719/14	U1901330.d	08/27/2018	19:45

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: bfb554.d BFB Injection Date: 06/25/2020

Instrument ID: A3UX19 BFB Injection Time: 15:47

Analysis Batch No.: 440080

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.7	
75	30.0 - 60.0 % of mass 95	45.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	83.1	
175	5.0 - 9.0 % of mass 174	6.8	(8.2) 1
176	95.0 - 101.0 % of mass 174	79.3	(95.3) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-440080/3	U1915172.d	06/25/2020	16:09
	CCVIS 240-440080/4	U1915173.d	06/25/2020	16:32
	LCS 240-440080/5	U1915174.d	06/25/2020	16:55
	MB 240-440080/8	U1915177.d	06/25/2020	18:02
MSA-SW37A-061520	240-131928-1	U1915191.d	06/25/2020	23:18
MSA-SW37B-061520	240-131928-2	U1915192.d	06/25/2020	23:40
MSA-SW37C-061520	240-131928-3	U1915193.d	06/26/2020	0:03
MSA-SW37D-061520	240-131928-4	U1915194.d	06/26/2020	0:25
MSA-SW38A-061520	240-131928-5	U1915195.d	06/26/2020	0:47
MSA-SW38B-061520	240-131928-6	U1915196.d	06/26/2020	1:10
MSA-SW38C-061520	240-131928-7	U1915197.d	06/26/2020	1:33
MSA-SW38D-061520	240-131928-8	U1915198.d	06/26/2020	1:55
MSA-SW40A-061520	240-131928-9	U1915199.d	06/26/2020	2:18
MSA-SW40B-061520	240-131928-10	U1915200.d	06/26/2020	2:40
MSA-SW40C-061520	240-131928-11	U1915201.d	06/26/2020	3:02

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab File ID: bfb555.d BFB Injection Date: 06/26/2020

Instrument ID: A3UX19 BFB Injection Time: 15:38

Analysis Batch No.: 440294

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.7	
75	30.0 - 60.0 % of mass 95	46.8	
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	83.0	
175	5.0 - 9.0 % of mass 174	6.8	(8.2) 1
176	95.0 - 101.0 % of mass 174	79.1	(95.3) 1
177	5.0 - 9.0 % of mass 176	5.2	(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
	CCV 240-440294/3	U1915202.d	06/26/2020	16:01
	CCVIS 240-440294/4	U1915203.d	06/26/2020	16:24
	LCS 240-440294/5	U1915204.d	06/26/2020	16:46
	MB 240-440294/8	U1915207.d	06/26/2020	17:54
MSA-SW42A-061520	240-131928-17	U1915225.d	06/27/2020	0:39

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Sample No.: ICIS 240-378870/11 Date Analyzed: 04/30/2019 15:17

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1269798.D Heated Purge: (Y/N) N

Calibration ID: 50823

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1246876	5.10	855324	7.76	464704	9.97
UPPER LIMIT		2493752	5.60	1710648	8.26	929408	10.47
LOWER LIMIT		623438	4.60	427662	7.26	232352	9.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 240-440074/4		1083584	5.10	733031	7.75	415140	9.97

FB = Fluorobenzene
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, Canton Job No.: 240-131928-1

SDG No.:

Sample No.: CCVIS 240-440074/4 Date Analyzed: 06/25/2020 16:36

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1278702.D Heated Purge: (Y/N) N

Calibration ID: 50829

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1083584	5.10	733031	7.75	415140	9.97
UPPER LIMIT		2167168	5.60	1466062	8.25	830280	10.47
LOWER LIMIT		541792	4.60	366516	7.25	207570	9.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-440074/5		1159962	5.10	790525	7.75	425255	9.97
MB 240-440074/8		1066464	5.10	698507	7.76	391146	9.97
240-131928-12	MSA-SW40D-061520	1047681	5.10	672645	7.75	367725	9.97
240-131928-13	MSA-SW41A-061520	1054295	5.10	666868	7.75	360852	9.97
240-131928-14	MSA-SW41B-061520	1063974	5.10	707041	7.75	383363	9.97
240-131928-15	MSA-SW41C-061520	1080730	5.10	701566	7.75	383480	9.97
240-131928-16	MSA-SW41D-061520	1082711	5.10	742718	7.75	398524	9.97

FB = Fluorobenzene
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, Canton Job No.: 240-131928-1

SDG No.:

Sample No.: ICIS 240-439793/12 Date Analyzed: 06/24/2020 11:05

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM29199.D Heated Purge: (Y/N) N

Calibration ID: 57501

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1090766	5.87	845099	8.60	448333	10.86
UPPER LIMIT		2181532	6.37	1690198	9.10	896666	11.36
LOWER LIMIT		545383	5.37	422550	8.10	224167	10.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-439793/16		1105374	5.87	855306	8.60	457266	10.86
CCVIS 240-440070/3		1191942	5.87	915835	8.60	491884	10.86

FB = Fluorobenzene
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, Canton Job No.: 240-131928-1

SDG No.:

Sample No.: CCVIS 240-440070/3 Date Analyzed: 06/26/2020 00:26

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM29279.D Heated Purge: (Y/N) N

Calibration ID: 57501

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1191942	5.87	915835	8.60	491884	10.86
UPPER LIMIT		2383884	6.37	1831670	9.10	983768	11.36
LOWER LIMIT		595971	5.37	457918	8.10	245942	10.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-440070/4		1190199	5.87	931649	8.60	481795	10.86
LCS 240-440070/5		1238217	5.87	949941	8.60	512104	10.86
MB 240-440070/8		1100369	5.87	876180	8.60	457191	10.86
240-131928-18	MSA-SW42B-061520	1103670	5.87	885613	8.60	464790	10.86
240-131928-19	MSA-SW42C-061520	1077577	5.87	862655	8.60	454639	10.86
240-131928-20	MSA-SW42D-061520	1061305	5.87	856620	8.60	450649	10.86
240-131928-21	MSA-SW43A-061520	1121552	5.87	899125	8.60	471522	10.86
240-131928-22	MSA-SW43B--061520	1051321	5.87	842548	8.60	446071	10.86
240-131928-23	MSA-SW43C-061520	1069142	5.87	865454	8.60	451612	10.86
240-131928-24	MSA-SW43D-061520	1071237	5.87	859618	8.60	451176	10.86
240-131928-25	MSA-SW44A-061520	1091688	5.87	874766	8.60	460159	10.86
240-131928-26	MSA-SW44B-061520	1108323	5.87	877983	8.60	462101	10.86
240-131928-27	MSA-SW44C-061520	1067691	5.87	858046	8.60	450563	10.86
240-131928-28	MSA-SW44D-061520	1053447	5.87	843123	8.60	441605	10.86
240-131928-29	TB--061520	1040872	5.87	845631	8.60	443887	10.86
240-131928-30	MSA-SW46A-061520	1066652	5.87	858463	8.60	449253	10.86
240-131928-31	MSA-SW47A-061520	1014530	5.87	822274	8.60	430387	10.86
240-131928-32	MSA-SW48A-061520	1047580	5.87	842901	8.60	433973	10.86
240-131928-33	MSA-SW49A--061520	1036779	5.87	831387	8.60	433200	10.86
240-131928-34	EL-SW01A-061520	1107092	5.87	887097	8.60	458544	10.86
240-131928-35	EL-SW01B-061520	1056974	5.87	836880	8.60	436812	10.86
240-131928-36	EL-SW01C-061520	1057719	5.87	858397	8.60	450255	10.86
240-131928-37	EL-SW01D-061520	1062730	5.87	854194	8.60	444940	10.86

FB = Fluorobenzene
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, Canton Job No.: 240-131928-1

SDG No.:

Sample No.: ICIS 240-342719/10 Date Analyzed: 08/27/2018 18:16

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1901326.d Heated Purge: (Y/N) N

Calibration ID: 46687

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		972482	5.65	783101	8.50	430906	10.88
UPPER LIMIT		1944964	6.15	1566202	9.00	861812	11.38
LOWER LIMIT		486241	5.15	391551	8.00	215453	10.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-342719/14		955207	5.65	765531	8.50	424750	10.88
CCVIS 240-440080/4		1162228	5.67	819093	8.50	440975	10.90
CCVIS 240-440294/4		1137912	5.67	812021	8.50	427439	10.88

FB = Fluorobenzene
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, Canton Job No.: 240-131928-1

SDG No.:

Sample No.: CCVIS 240-440080/4 Date Analyzed: 06/25/2020 16:32

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1915173.d Heated Purge: (Y/N) N

Calibration ID: 57283

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1162228	5.67	819093	8.50	440975	10.90
UPPER LIMIT		2324456	6.17	1638186	9.00	881950	11.40
LOWER LIMIT		581114	5.17	409547	8.00	220488	10.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-440080/5		1164991	5.67	829633	8.50	431931	10.88
MB 240-440080/8		1081256	5.67	766825	8.50	389039	10.88
240-131928-1	MSA-SW37A-061520	1066489	5.67	757033	8.50	384097	10.90
240-131928-2	MSA-SW37B-061520	1076765	5.67	795833	8.50	388657	10.90
240-131928-3	MSA-SW37C-061520	1056032	5.67	749995	8.50	380322	10.90
240-131928-4	MSA-SW37D-061520	1058021	5.67	751668	8.50	372262	10.90
240-131928-5	MSA-SW38A-061520	1067631	5.67	783713	8.50	383315	10.90
240-131928-6	MSA-SW38B-061520	1053119	5.67	752120	8.50	378410	10.90
240-131928-7	MSA-SW38C-061520	1057754	5.67	759787	8.50	377883	10.90
240-131928-8	MSA-SW38D-061520	1051423	5.67	760206	8.50	375872	10.90
240-131928-9	MSA-SW40A-061520	1040406	5.67	743819	8.50	373744	10.90
240-131928-10	MSA-SW40B-061520	1041923	5.67	732132	8.50	373667	10.90
240-131928-11	MSA-SW40C-061520	1050313	5.67	751057	8.50	386474	10.90

FB = Fluorobenzene
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, Canton Job No.: 240-131928-1

SDG No.:

Sample No.: CCVIS 240-440294/4 Date Analyzed: 06/26/2020 16:24

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1915203.d Heated Purge: (Y/N) N

Calibration ID: 57283

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1137912	5.67	812021	8.50	427439	10.88
UPPER LIMIT		2275824	6.17	1624042	9.00	854878	11.38
LOWER LIMIT		568956	5.17	406011	8.00	213720	10.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-440294/5		1152700	5.67	817375	8.50	438156	10.90
MB 240-440294/8		1091231	5.67	782355	8.50	385996	10.90
240-131928-17	MSA-SW42A-061520	1113954	5.67	799050	8.50	401656	10.90

FB = Fluorobenzene
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, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37A-061520 Lab Sample ID: 240-131928-1

Matrix: Water Lab File ID: U1915191.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:20

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:18

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37A-061520 Lab Sample ID: 240-131928-1

Matrix: Water Lab File ID: U1915191.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:20

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:18

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37A-061520 Lab Sample ID: 240-131928-1

Matrix: Water Lab File ID: U1915191.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:20

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:18

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
460-00-4	4-Bromofluorobenzene (Surr)	93		47-134
2037-26-5	Toluene-d8 (Surr)	103		69-122
1868-53-7	Dibromofluoromethane (Surr)	101		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37A-061520 Lab Sample ID: 240-131928-1

Matrix: Water Lab File ID: U1915191.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:20

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:18

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37A-061520 Lab Sample ID: 240-131928-1

Matrix: Water Lab File ID: U1915191.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:20

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:18

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915191.d
Lims ID: 240-131928-B-1
Client ID: MSA-SW37A-061520
Sample Type: Client
Inject. Date: 25-Jun-2020 23:18:14 ALS Bottle#: 0 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-022
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:31:56 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:33:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.665	5.665	0.000	99	1066489	20.0	
* 2 Chlorobenzene-d5	117	8.499	8.500	-0.001	86	757033	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.895	10.895	0.000	94	384097	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.060	5.061	-0.001	94	290462	20.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	94	311845	18.9	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	93	932022	20.5	
$ 7 4-Bromofluorobenzene (Surr)	95	9.685	9.685	0.000	92	316097	18.5	
9 Dichlorodifluoromethane	85		1.622				ND	
10 Chloromethane	50		1.835				ND	
12 Vinyl chloride	62		1.942				ND	
13 Bromomethane	94		2.238				ND	
15 Chloroethane	64		2.321				ND	
17 Trichlorofluoromethane	101		2.582				ND	
20 1,1-Dichloroethene	61		3.045				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.068				ND	
22 Acetone	43	3.080	3.080	0.000	94	9314	2.23	
25 Carbon disulfide	76		3.270				ND	
29 Methylene Chloride	49		3.495				ND	
30 2-Methyl-2-propanol	59		3.590				ND	
32 trans-1,2-Dichloroethene	61		3.744				ND	
33 Methyl tert-butyl ether	73		3.744				ND	
35 1,1-Dichloroethane	63		4.124				ND	
36 Vinyl acetate	43		4.159				ND	
37 Isopropyl ether	87		4.183				ND	
39 Tert-butyl ethyl ether	59		4.503				ND	
41 cis-1,2-Dichloroethene	96		4.634				ND	
42 2,2-Dichloropropane	77		4.645				ND	
40 2-Butanone (MEK)	72		4.645				ND	
46 Chlorobromomethane	49		4.847				ND	
48 Chloroform	83		4.918				ND	
49 1,1,1-Trichloroethane	97		5.096				ND	
51 1,1-Dichloropropene	75		5.238				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.250				ND	
54 Benzene	78		5.416				ND	
55 1,2-Dichloroethane	62		5.428				ND	
56 Tert-amyl methyl ether	73		5.511				ND	
59 Trichloroethene	130		5.997				ND	
62 1,2-Dichloropropane	63		6.199				ND	
64 Dibromomethane	174		6.306				ND	
66 Dichlorobromomethane	83		6.436				ND	
68 2-Chloroethyl vinyl ether	63		6.709				ND	
69 cis-1,3-Dichloropropene	75		6.851				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.982				ND	
71 Toluene	91		7.171				ND	
72 trans-1,3-Dichloropropene	75		7.361				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.705				ND	
77 2-Hexanone	43		7.776				ND	
79 Chlorodibromomethane	129		7.930				ND	
81 Ethylene Dibromide	107		8.049				ND	
83 Chlorobenzene	112		8.535				ND	
84 1,1,1,2-Tetrachloroethane	131		8.606				ND	
85 Ethylbenzene	106		8.642				ND	
86 m-Xylene & p-Xylene	106		8.749				ND	
87 o-Xylene	106		9.152				ND	
88 Styrene	104		9.164				ND	
89 Bromoform	173		9.353				ND	
90 Isopropylbenzene	105		9.531				ND	
93 1,1,2,2-Tetrachloroethane	83		9.816				ND	
95 Bromobenzene	156		9.851				ND	
96 1,2,3-Trichloropropane	110		9.875				ND	
98 N-Propylbenzene	120		9.946				ND	
100 2-Chlorotoluene	126		10.041				ND	
102 4-Chlorotoluene	126		10.160				ND	
103 tert-Butylbenzene	119		10.480				ND	
105 1,2,4-Trimethylbenzene	105		10.527				ND	
106 sec-Butylbenzene	105		10.705				ND	
107 1,3-Dichlorobenzene	146		10.824				ND	
108 4-Isopropyltoluene	119		10.859				ND	
109 1,4-Dichlorobenzene	146		10.919				ND	
110 1,2,3-Trimethylbenzene	105		10.966				ND	
112 n-Butylbenzene	91		11.286				ND	
113 1,2-Dichlorobenzene	146		11.310				ND	
114 1,2-Dibromo-3-Chloropropane	157		12.128				ND	
116 1,2,4-Trichlorobenzene	180		13.018				ND	
117 Hexachlorobutadiene	225		13.207				ND	
118 Naphthalene	128		13.279				ND	
119 1,2,3-Trichlorobenzene	180		13.539				ND	
S 128 Xylenes, Total	106		16.520				ND	
T 131 Chlorodifluoromethane TIC	51		1.640				ND	

Reagents:

vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

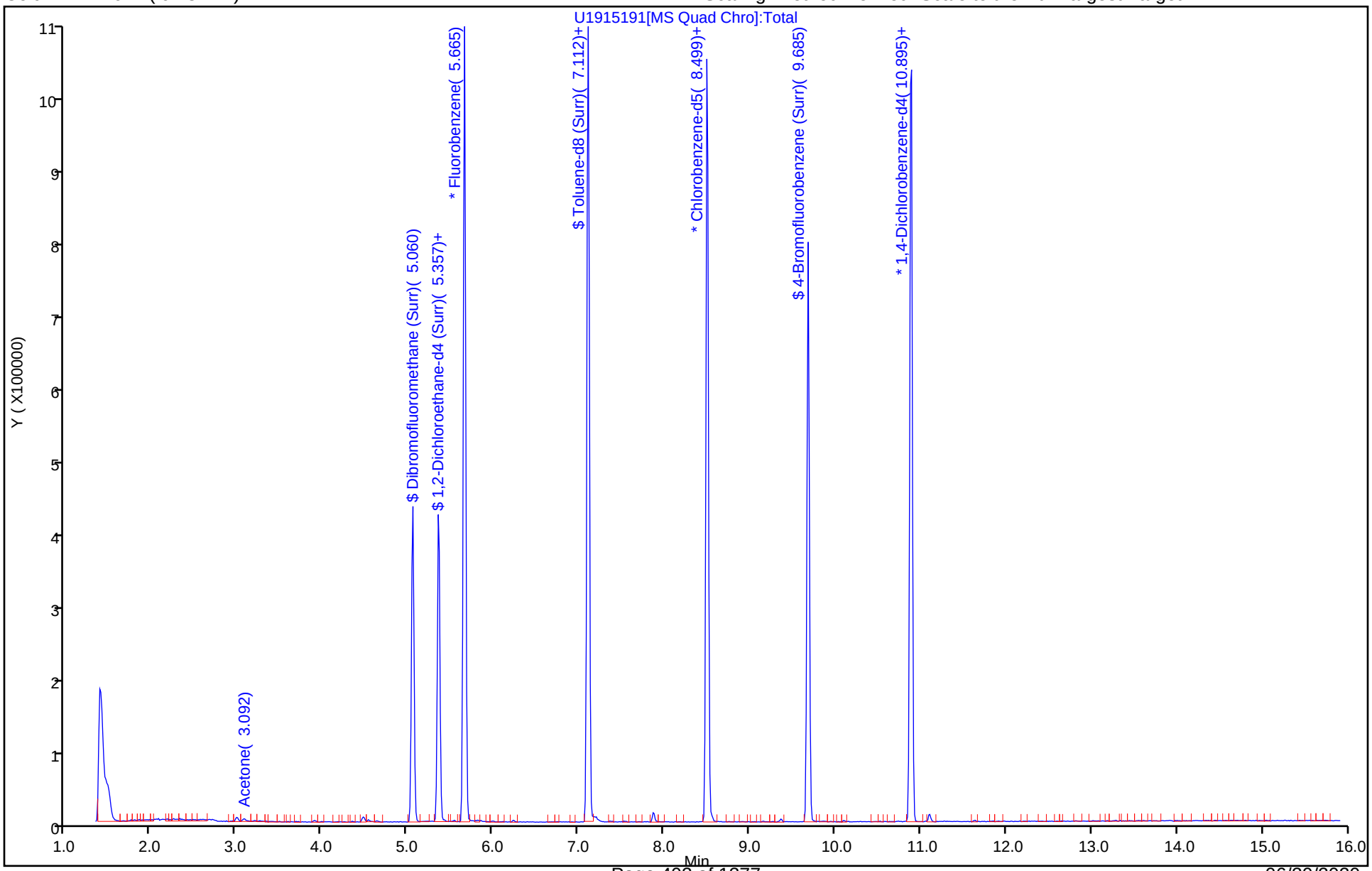
Report Date: 26-Jun-2020 13:33:13 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915191.d

Injection Date:	25-Jun-2020 23:18:14	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-131928-B-1	Lab Sample ID:	240-131928-1	Worklist Smp#:	22
Client ID:	MSA-SW37A-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915191.d
Lims ID: 240-131928-B-1
Client ID: MSA-SW37A-061520
Sample Type: Client
Inject. Date: 25-Jun-2020 23:18:14 ALS Bottle#: 0 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-022
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:31:56 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:33:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.2	101.17
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.9	94.57
$ 6 Toluene-d8 (Surr)	20.0	20.5	102.66
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.5	92.52

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37B-061520 Lab Sample ID: 240-131928-2

Matrix: Water Lab File ID: U1915192.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:23

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37B-061520 Lab Sample ID: 240-131928-2

Matrix: Water Lab File ID: U1915192.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:23

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37B-061520 Lab Sample ID: 240-131928-2

Matrix: Water Lab File ID: U1915192.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:23

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
460-00-4	4-Bromofluorobenzene (Surr)	92		47-134
2037-26-5	Toluene-d8 (Surr)	101		69-122
1868-53-7	Dibromofluoromethane (Surr)	99		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37B-061520 Lab Sample ID: 240-131928-2

Matrix: Water Lab File ID: U1915192.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:23

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:40

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37B-061520 Lab Sample ID: 240-131928-2

Matrix: Water Lab File ID: U1915192.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:23

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 23:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915192.d
Lims ID: 240-131928-B-2
Client ID: MSA-SW37B-061520
Sample Type: Client
Inject. Date: 25-Jun-2020 23:40:39 ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-023
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:33:30 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:33:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.666	5.665	0.001	99	1076765	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	85	795833	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.895	10.895	0.000	94	388657	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.049	5.061	-0.012	94	286771	19.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	95	311602	18.7	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	92	960786	20.1	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.685	0.001	92	329609	18.4	
9 Dichlorodifluoromethane	85		1.622				ND	
10 Chloromethane	50		1.835				ND	
12 Vinyl chloride	62		1.942				ND	
13 Bromomethane	94		2.238				ND	
15 Chloroethane	64		2.321				ND	
17 Trichlorofluoromethane	101		2.582				ND	
20 1,1-Dichloroethene	61		3.045				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.068				ND	
22 Acetone	43	3.080	3.080	0.000	99	7174	1.70	
25 Carbon disulfide	76		3.270				ND	
29 Methylene Chloride	49		3.495				ND	
30 2-Methyl-2-propanol	59		3.590				ND	
32 trans-1,2-Dichloroethene	61		3.744				ND	
33 Methyl tert-butyl ether	73		3.744				ND	
35 1,1-Dichloroethane	63		4.124				ND	
36 Vinyl acetate	43		4.159				ND	
37 Isopropyl ether	87		4.183				ND	
39 Tert-butyl ethyl ether	59		4.503				ND	
41 cis-1,2-Dichloroethene	96		4.634				ND	
42 2,2-Dichloropropane	77		4.645				ND	
40 2-Butanone (MEK)	72		4.645				ND	
46 Chlorobromomethane	49		4.847				ND	
48 Chloroform	83		4.918				ND	
49 1,1,1-Trichloroethane	97		5.096				ND	
51 1,1-Dichloropropene	75		5.238				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.250				ND	
54 Benzene	78		5.416				ND	
55 1,2-Dichloroethane	62		5.428				ND	
56 Tert-amyl methyl ether	73		5.511				ND	
59 Trichloroethene	130		5.997				ND	
62 1,2-Dichloropropane	63		6.199				ND	
64 Dibromomethane	174		6.306				ND	
66 Dichlorobromomethane	83		6.436				ND	
68 2-Chloroethyl vinyl ether	63		6.709				ND	
69 cis-1,3-Dichloropropene	75		6.851				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.982				ND	
71 Toluene	91		7.171				ND	
72 trans-1,3-Dichloropropene	75		7.361				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.705				ND	
77 2-Hexanone	43		7.776				ND	U
79 Chlorodibromomethane	129		7.930				ND	
81 Ethylene Dibromide	107		8.049				ND	
83 Chlorobenzene	112		8.535				ND	
84 1,1,1,2-Tetrachloroethane	131		8.606				ND	
85 Ethylbenzene	106		8.642				ND	
86 m-Xylene & p-Xylene	106		8.749				ND	
87 o-Xylene	106		9.152				ND	
88 Styrene	104		9.164				ND	
89 Bromoform	173		9.353				ND	
90 Isopropylbenzene	105		9.531				ND	
93 1,1,2,2-Tetrachloroethane	83		9.816				ND	
95 Bromobenzene	156		9.851				ND	
96 1,2,3-Trichloropropane	110		9.875				ND	
98 N-Propylbenzene	120		9.946				ND	
100 2-Chlorotoluene	126		10.041				ND	
102 4-Chlorotoluene	126		10.160				ND	
103 tert-Butylbenzene	119		10.480				ND	
105 1,2,4-Trimethylbenzene	105		10.527				ND	
106 sec-Butylbenzene	105		10.705				ND	
107 1,3-Dichlorobenzene	146		10.824				ND	
108 4-Isopropyltoluene	119		10.859				ND	
109 1,4-Dichlorobenzene	146		10.919				ND	
110 1,2,3-Trimethylbenzene	105		10.966				ND	
112 n-Butylbenzene	91		11.286				ND	
113 1,2-Dichlorobenzene	146		11.310				ND	
114 1,2-Dibromo-3-Chloropropane	157		12.128				ND	
116 1,2,4-Trichlorobenzene	180		13.018				ND	
117 Hexachlorobutadiene	225		13.207				ND	
118 Naphthalene	128		13.279				ND	
119 1,2,3-Trichlorobenzene	180		13.539				ND	
S 128 Xylenes, Total	106		16.520				ND	
T 131 Chlorodifluoromethane TIC	51		1.640				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

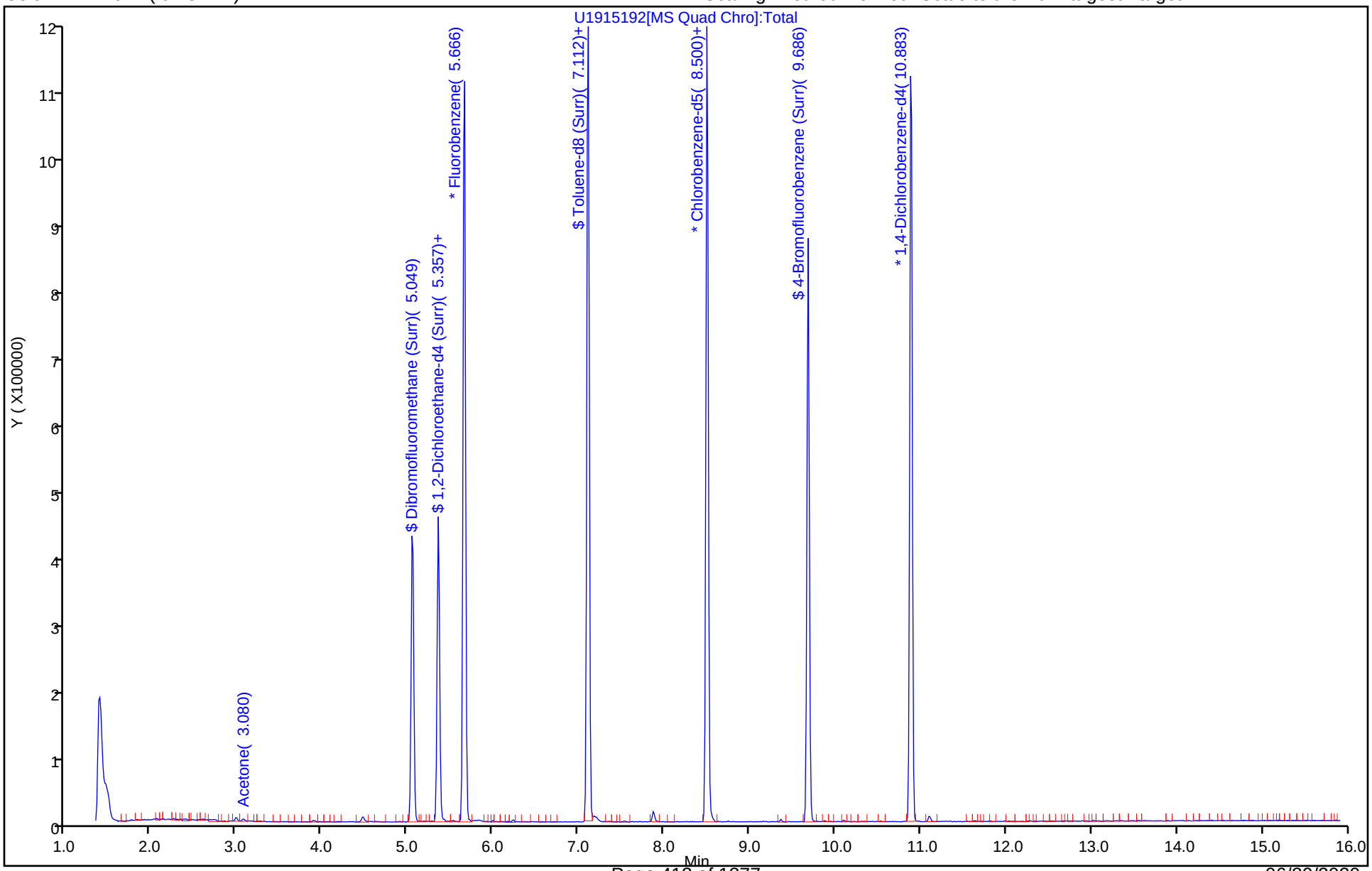
Report Date: 26-Jun-2020 13:33:30 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915192.d

Injection Date:	25-Jun-2020 23:40:39	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-131928-B-2	Lab Sample ID:	240-131928-2	Worklist Smp#:	23
Client ID:	MSA-SW37B-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915192.d
Lims ID: 240-131928-B-2
Client ID: MSA-SW37B-061520
Sample Type: Client
Inject. Date: 25-Jun-2020 23:40:39 ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-023
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:33:30 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:33:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.8	98.93
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.7	93.59
$ 6 Toluene-d8 (Surr)	20.0	20.1	100.67
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.4	91.77

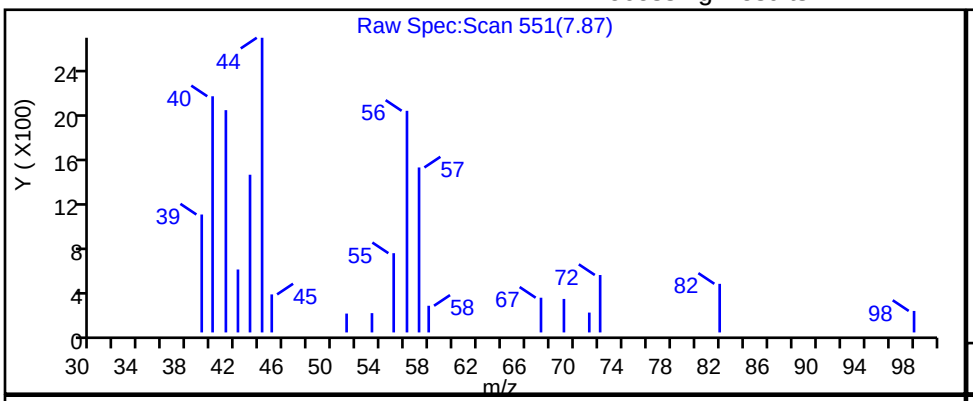
User Disabled Compound Report

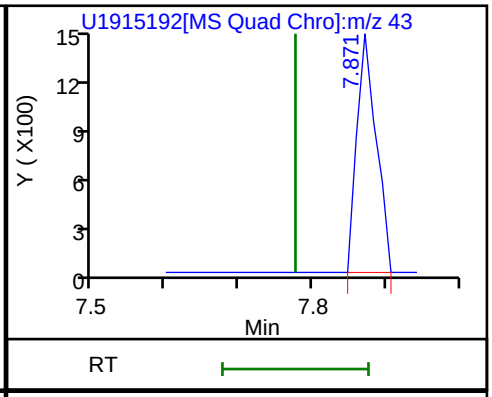
Eurofins TestAmerica, Canton

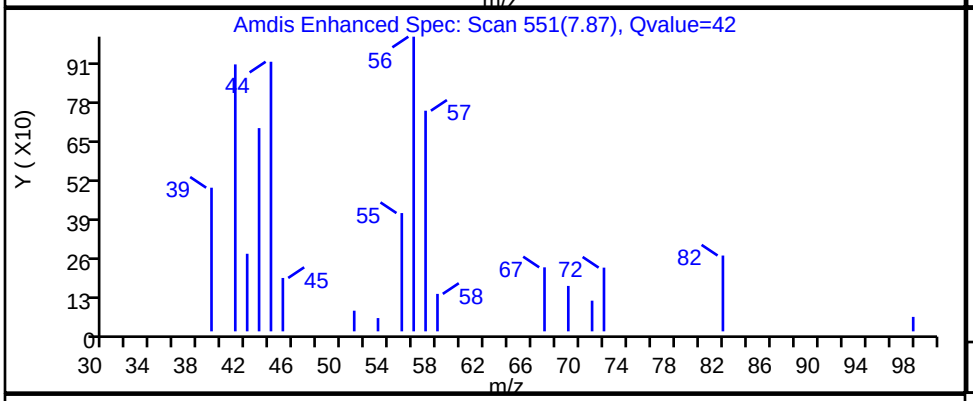
Data File:	\\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915192.d				
Injection Date:	25-Jun-2020 23:40:39	Instrument ID:	A3UX19		
Lims ID:	240-131928-B-2	Lab Sample ID:	240-131928-2		
Client ID:	MSA-SW37B-061520				
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

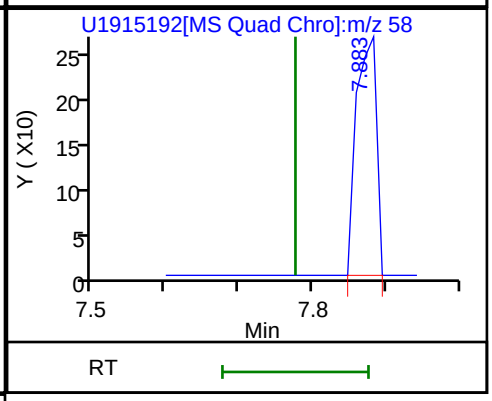
77 2-Hexanone, CAS: 591-78-6

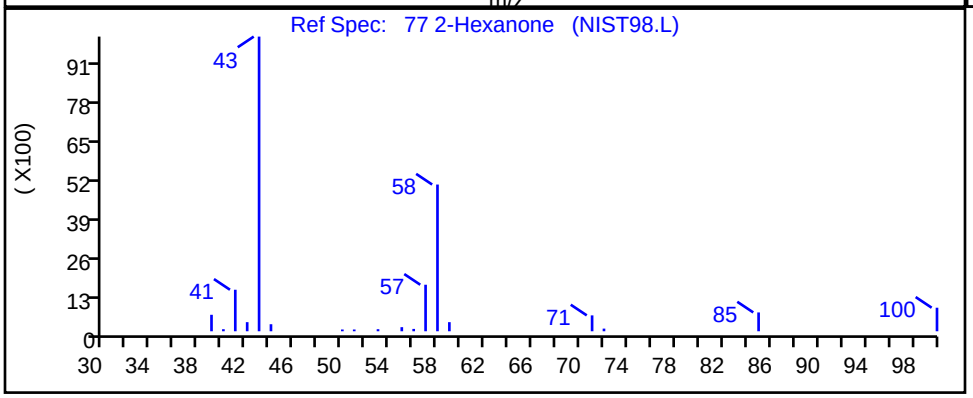
Processing Results











RT	Mass	Response	Amount
7.87	43.00	2628	0.209736
7.88	58.00	505	

Reviewer: laveyt, 26-Jun-2020 13:33:24

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37C-061520 Lab Sample ID: 240-131928-3

Matrix: Water Lab File ID: U1915193.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:03

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroeth ane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37C-061520 Lab Sample ID: 240-131928-3

Matrix: Water Lab File ID: U1915193.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:03

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37C-061520 Lab Sample ID: 240-131928-3

Matrix: Water Lab File ID: U1915193.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:03

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
460-00-4	4-Bromofluorobenzene (Surr)	92		47-134
2037-26-5	Toluene-d8 (Surr)	104		69-122
1868-53-7	Dibromofluoromethane (Surr)	100		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37C-061520 Lab Sample ID: 240-131928-3

Matrix: Water Lab File ID: U1915193.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:03

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37C-061520 Lab Sample ID: 240-131928-3

Matrix: Water Lab File ID: U1915193.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:03

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915193.d
Lims ID: 240-131928-B-3
Client ID: MSA-SW37C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 00:03:06 ALS Bottle#: 0 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-024
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:33:45 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:33:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.665	5.665	0.000	99	1056032	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	84	749995	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.895	10.895	0.000	94	380322	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.061	5.061	0.000	94	283762	20.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	95	311217	19.1	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	93	931108	20.7	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.685	0.001	92	312403	18.5	
9 Dichlorodifluoromethane	85		1.622				ND	
10 Chloromethane	50		1.835				ND	
12 Vinyl chloride	62		1.942				ND	
13 Bromomethane	94		2.238				ND	
15 Chloroethane	64		2.321				ND	
17 Trichlorofluoromethane	101		2.582				ND	
20 1,1-Dichloroethene	61		3.045				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.068				ND	
22 Acetone	43	3.080	3.080	0.000	97	9165	2.21	
25 Carbon disulfide	76		3.270				ND	
29 Methylene Chloride	49		3.495				ND	
30 2-Methyl-2-propanol	59		3.590				ND	
32 trans-1,2-Dichloroethene	61		3.744				ND	
33 Methyl tert-butyl ether	73		3.744				ND	
35 1,1-Dichloroethane	63		4.124				ND	
36 Vinyl acetate	43		4.159				ND	
37 Isopropyl ether	87		4.183				ND	
39 Tert-butyl ethyl ether	59		4.503				ND	
41 cis-1,2-Dichloroethene	96		4.634				ND	
42 2,2-Dichloropropane	77		4.645				ND	
40 2-Butanone (MEK)	72		4.645				ND	
46 Chlorobromomethane	49		4.847				ND	
48 Chloroform	83		4.918				ND	
49 1,1,1-Trichloroethane	97		5.096				ND	
51 1,1-Dichloropropene	75		5.238				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.250				ND	
54 Benzene	78		5.416				ND	
55 1,2-Dichloroethane	62		5.428				ND	
56 Tert-amyl methyl ether	73		5.511				ND	
59 Trichloroethene	130		5.997				ND	
62 1,2-Dichloropropane	63		6.199				ND	
64 Dibromomethane	174		6.306				ND	
66 Dichlorobromomethane	83		6.436				ND	
68 2-Chloroethyl vinyl ether	63		6.709				ND	
69 cis-1,3-Dichloropropene	75		6.851				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.982				ND	
71 Toluene	91		7.171				ND	
72 trans-1,3-Dichloropropene	75		7.361				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.705				ND	
77 2-Hexanone	43		7.776				ND	U
79 Chlorodibromomethane	129		7.930				ND	
81 Ethylene Dibromide	107		8.049				ND	
83 Chlorobenzene	112		8.535				ND	
84 1,1,1,2-Tetrachloroethane	131		8.606				ND	
85 Ethylbenzene	106		8.642				ND	
86 m-Xylene & p-Xylene	106		8.749				ND	
87 o-Xylene	106		9.152				ND	
88 Styrene	104		9.164				ND	
89 Bromoform	173		9.353				ND	
90 Isopropylbenzene	105		9.531				ND	
93 1,1,2,2-Tetrachloroethane	83		9.816				ND	
95 Bromobenzene	156		9.851				ND	
96 1,2,3-Trichloropropane	110		9.875				ND	
98 N-Propylbenzene	120		9.946				ND	
100 2-Chlorotoluene	126		10.041				ND	
102 4-Chlorotoluene	126		10.160				ND	
103 tert-Butylbenzene	119		10.480				ND	
105 1,2,4-Trimethylbenzene	105		10.527				ND	
106 sec-Butylbenzene	105		10.705				ND	
107 1,3-Dichlorobenzene	146		10.824				ND	
108 4-Isopropyltoluene	119		10.859				ND	
109 1,4-Dichlorobenzene	146		10.919				ND	
110 1,2,3-Trimethylbenzene	105		10.966				ND	
112 n-Butylbenzene	91		11.286				ND	
113 1,2-Dichlorobenzene	146		11.310				ND	
114 1,2-Dibromo-3-Chloropropane	157		12.128				ND	
116 1,2,4-Trichlorobenzene	180		13.018				ND	
117 Hexachlorobutadiene	225		13.207				ND	
118 Naphthalene	128		13.279				ND	
119 1,2,3-Trichlorobenzene	180		13.539				ND	
S 128 Xylenes, Total	106		16.520				ND	
T 131 Chlorodifluoromethane TIC	51		1.640				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

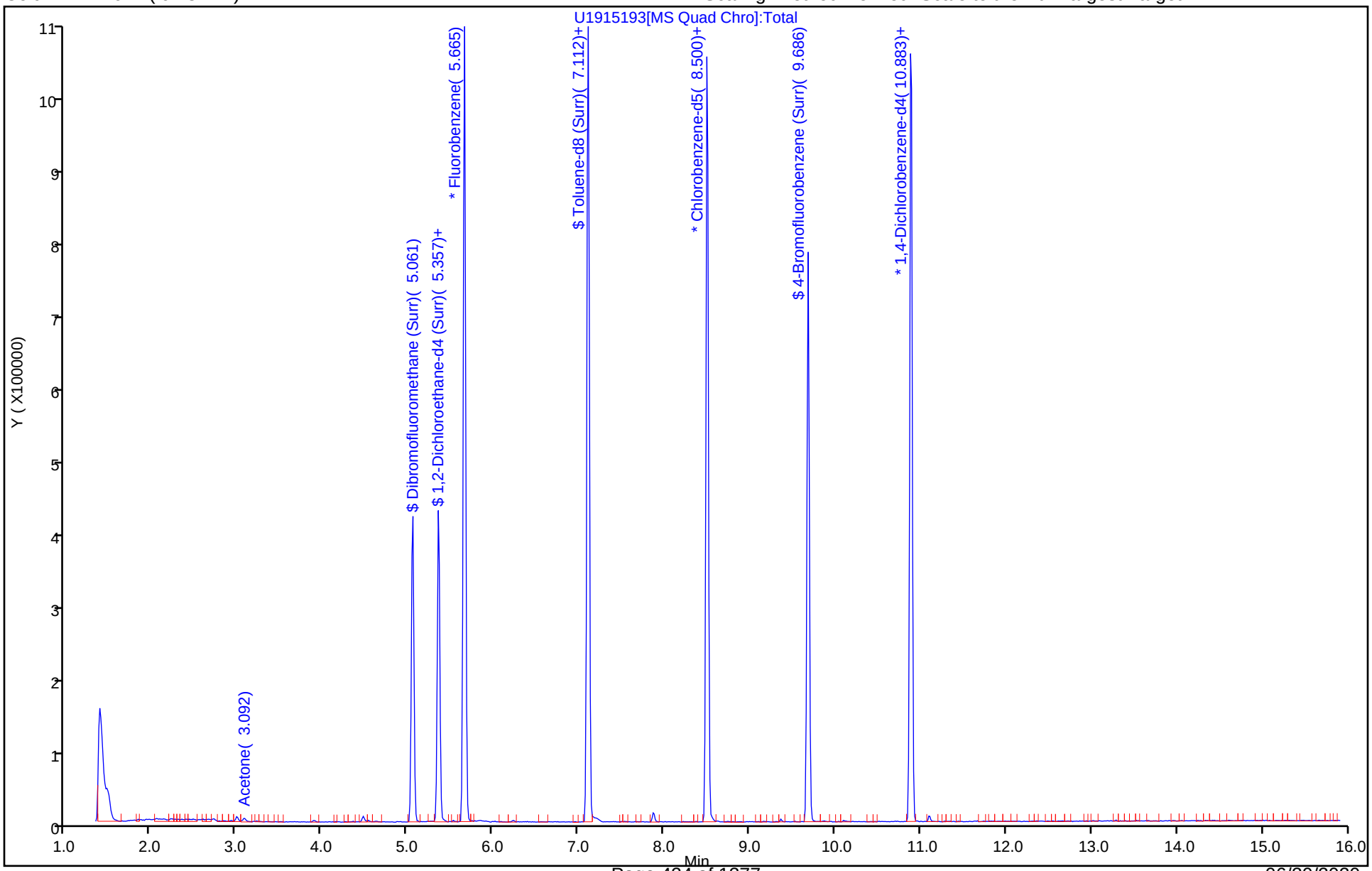
Report Date: 26-Jun-2020 13:33:45 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915193.d

Injection Date:	26-Jun-2020 00:03:06	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-131928-B-3	Lab Sample ID:	240-131928-3	Worklist Smp#:	24
Client ID:	MSA-SW37C-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915193.d
Lims ID: 240-131928-B-3
Client ID: MSA-SW37C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 00:03:06 ALS Bottle#: 0 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-024
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:33:45 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:33:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.0	99.82
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.1	95.31
$ 6 Toluene-d8 (Surr)	20.0	20.7	103.52
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.5	92.30

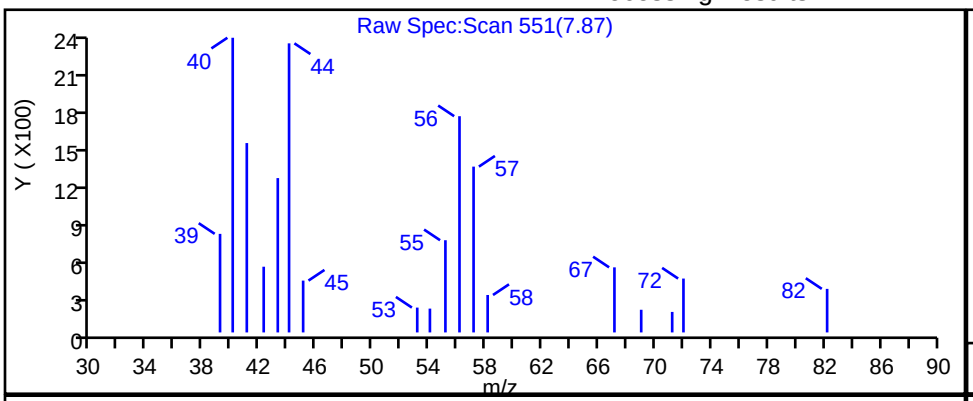
User Disabled Compound Report

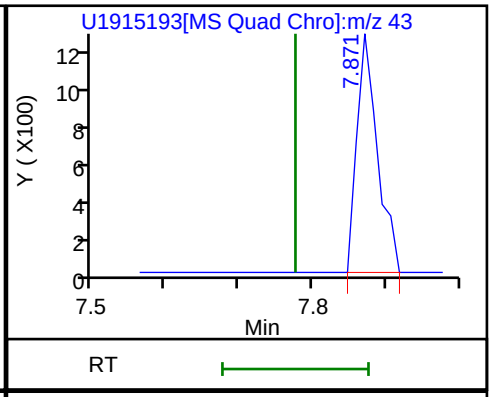
Eurofins TestAmerica, Canton

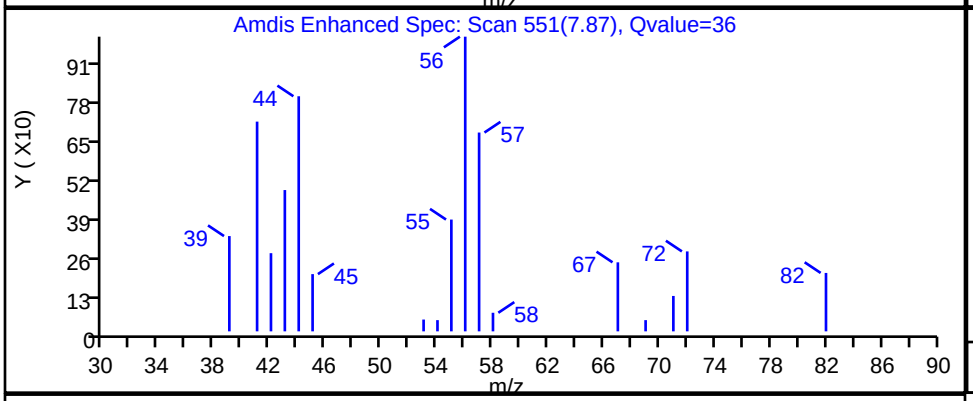
Data File:	\\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915193.d				
Injection Date:	26-Jun-2020 00:03:06	Instrument ID:	A3UX19		
Lims ID:	240-131928-B-3	Lab Sample ID:	240-131928-3		
Client ID:	MSA-SW37C-061520				
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

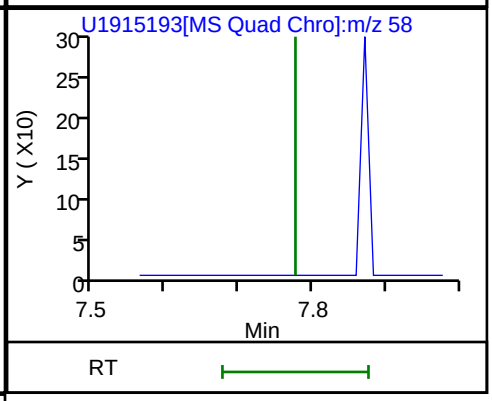
77 2-Hexanone, CAS: 591-78-6

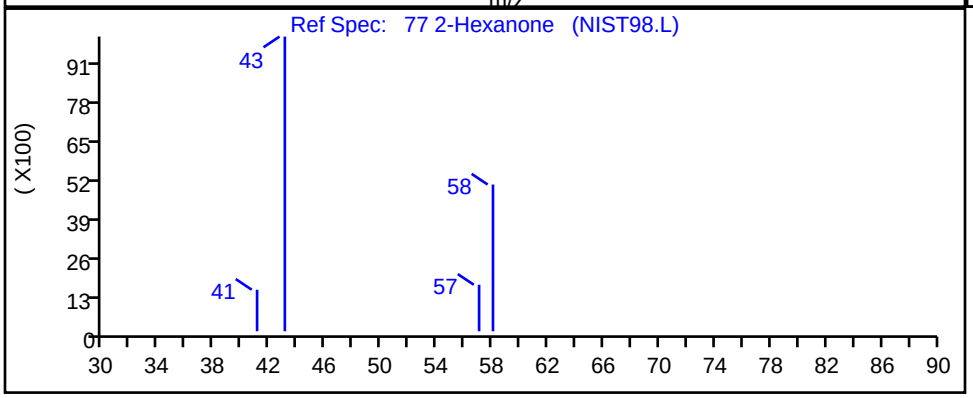
Processing Results











RT	Mass	Response	Amount
7.87	43.00	2366	0.200367
7.78	58.00	0	

Reviewer: laveyt, 26-Jun-2020 13:33:40

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37D-061520 Lab Sample ID: 240-131928-4

Matrix: Water Lab File ID: U1915194.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:30

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:25

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37D-061520 Lab Sample ID: 240-131928-4

Matrix: Water Lab File ID: U1915194.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:30

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:25

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37D-061520 Lab Sample ID: 240-131928-4

Matrix: Water Lab File ID: U1915194.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:30

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:25

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
460-00-4	4-Bromofluorobenzene (Surr)	95		47-134
2037-26-5	Toluene-d8 (Surr)	104		69-122
1868-53-7	Dibromofluoromethane (Surr)	100		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37D-061520 Lab Sample ID: 240-131928-4

Matrix: Water Lab File ID: U1915194.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:30

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:25

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW37D-061520 Lab Sample ID: 240-131928-4

Matrix: Water Lab File ID: U1915194.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:30

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:25

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915194.d
Lims ID: 240-131928-B-4
Client ID: MSA-SW37D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 00:25:20 ALS Bottle#: 0 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-025
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:34:02 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:34:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.666	5.665	0.001	99	1058021	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	85	751668	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.895	10.895	0.000	94	372262	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.049	5.061	-0.012	93	284859	20.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	96	313472	19.2	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	92	939692	20.8	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.685	0.001	91	321942	19.0	
9 Dichlorodifluoromethane	85		1.622				ND	
10 Chloromethane	50		1.835				ND	
12 Vinyl chloride	62		1.942				ND	
13 Bromomethane	94		2.238				ND	
15 Chloroethane	64		2.321				ND	
17 Trichlorofluoromethane	101		2.582				ND	
20 1,1-Dichloroethene	61		3.045				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.068				ND	
22 Acetone	43	3.080	3.080	0.000	98	8303	2.00	
25 Carbon disulfide	76		3.270				ND	
29 Methylene Chloride	49		3.495				ND	
30 2-Methyl-2-propanol	59		3.590				ND	
32 trans-1,2-Dichloroethene	61		3.744				ND	
33 Methyl tert-butyl ether	73		3.744				ND	
35 1,1-Dichloroethane	63		4.124				ND	
36 Vinyl acetate	43		4.159				ND	
37 Isopropyl ether	87		4.183				ND	
39 Tert-butyl ethyl ether	59		4.503				ND	
41 cis-1,2-Dichloroethene	96		4.634				ND	
42 2,2-Dichloropropane	77		4.645				ND	
40 2-Butanone (MEK)	72		4.645				ND	
46 Chlorobromomethane	49		4.847				ND	
48 Chloroform	83		4.918				ND	
49 1,1,1-Trichloroethane	97		5.096				ND	
51 1,1-Dichloropropene	75		5.238				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.250				ND	
54 Benzene	78		5.416				ND	
55 1,2-Dichloroethane	62		5.428				ND	
56 Tert-amyl methyl ether	73		5.511				ND	
59 Trichloroethene	130		5.997				ND	
62 1,2-Dichloropropane	63		6.199				ND	
64 Dibromomethane	174		6.306				ND	
66 Dichlorobromomethane	83		6.436				ND	
68 2-Chloroethyl vinyl ether	63		6.709				ND	
69 cis-1,3-Dichloropropene	75		6.851				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.982				ND	
71 Toluene	91		7.171				ND	
72 trans-1,3-Dichloropropene	75		7.361				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.705				ND	
77 2-Hexanone	43		7.776				ND	U
79 Chlorodibromomethane	129		7.930				ND	
81 Ethylene Dibromide	107		8.049				ND	
83 Chlorobenzene	112		8.535				ND	
84 1,1,1,2-Tetrachloroethane	131		8.606				ND	
85 Ethylbenzene	106		8.642				ND	
86 m-Xylene & p-Xylene	106		8.749				ND	
87 o-Xylene	106		9.152				ND	
88 Styrene	104		9.164				ND	
89 Bromoform	173		9.353				ND	
90 Isopropylbenzene	105		9.531				ND	
93 1,1,2,2-Tetrachloroethane	83		9.816				ND	
95 Bromobenzene	156		9.851				ND	
96 1,2,3-Trichloropropane	110		9.875				ND	
98 N-Propylbenzene	120		9.946				ND	
100 2-Chlorotoluene	126		10.041				ND	
102 4-Chlorotoluene	126		10.160				ND	
103 tert-Butylbenzene	119		10.480				ND	
105 1,2,4-Trimethylbenzene	105		10.527				ND	
106 sec-Butylbenzene	105		10.705				ND	
107 1,3-Dichlorobenzene	146		10.824				ND	
108 4-Isopropyltoluene	119		10.859				ND	
109 1,4-Dichlorobenzene	146		10.919				ND	
110 1,2,3-Trimethylbenzene	105		10.966				ND	
112 n-Butylbenzene	91		11.286				ND	
113 1,2-Dichlorobenzene	146		11.310				ND	
114 1,2-Dibromo-3-Chloropropane	157		12.128				ND	
116 1,2,4-Trichlorobenzene	180		13.018				ND	
117 Hexachlorobutadiene	225		13.207				ND	
118 Naphthalene	128		13.279				ND	
119 1,2,3-Trichlorobenzene	180		13.539				ND	
S 128 Xylenes, Total	106		16.520				ND	
T 131 Chlorodifluoromethane TIC	51		1.640				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

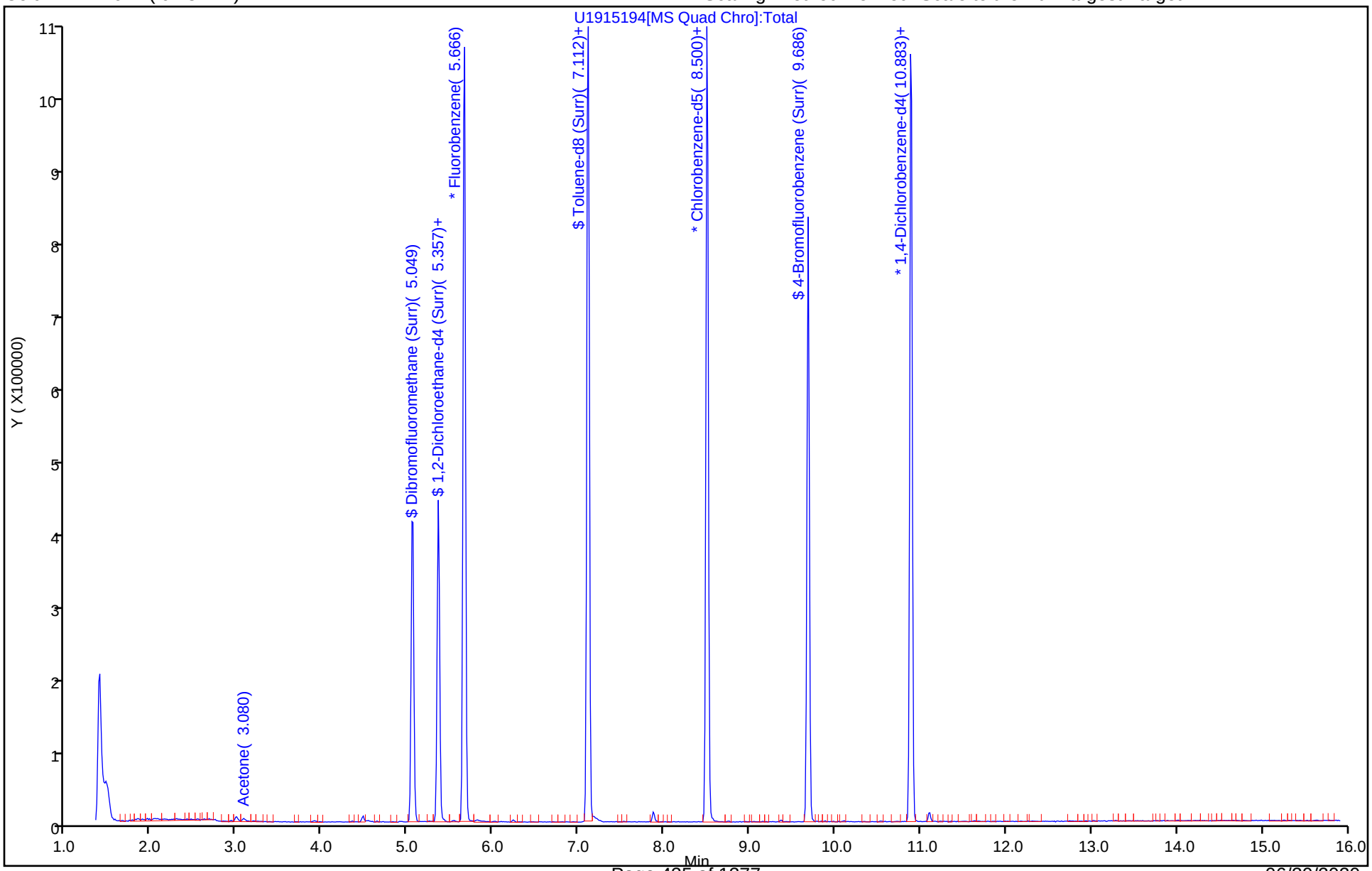
Report Date: 26-Jun-2020 13:34:02 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915194.d

Injection Date:	26-Jun-2020 00:25:20	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-131928-B-4	Lab Sample ID:	240-131928-4	Worklist Smp#:	25
Client ID:	MSA-SW37D-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915194.d
Lims ID: 240-131928-B-4
Client ID: MSA-SW37D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 00:25:20 ALS Bottle#: 0 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-025
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:34:02 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:34:02

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.0	100.01
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.2	95.82
$ 6 Toluene-d8 (Surr)	20.0	20.8	104.24
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.0	94.91

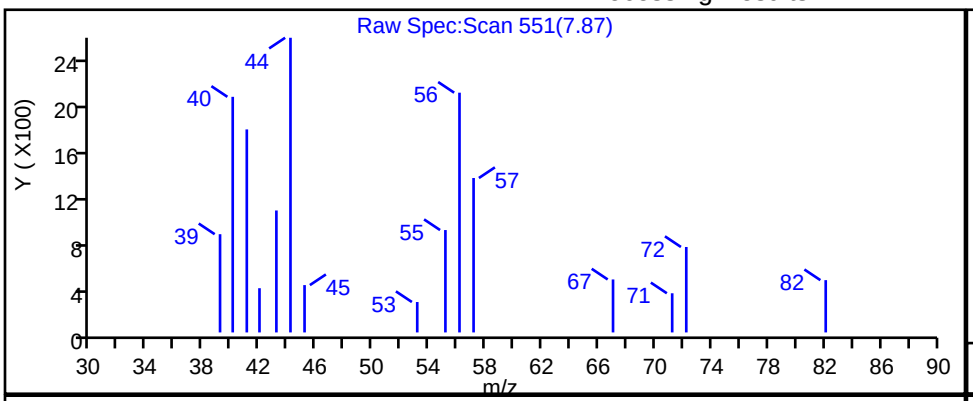
User Disabled Compound Report

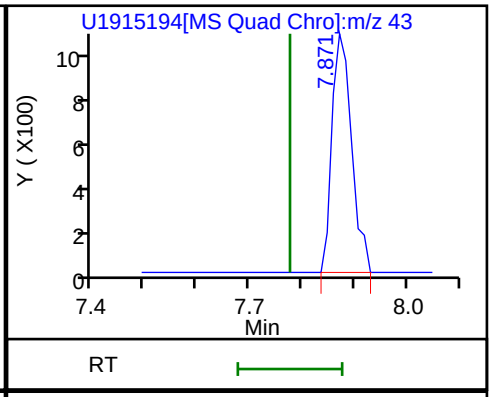
Eurofins TestAmerica, Canton

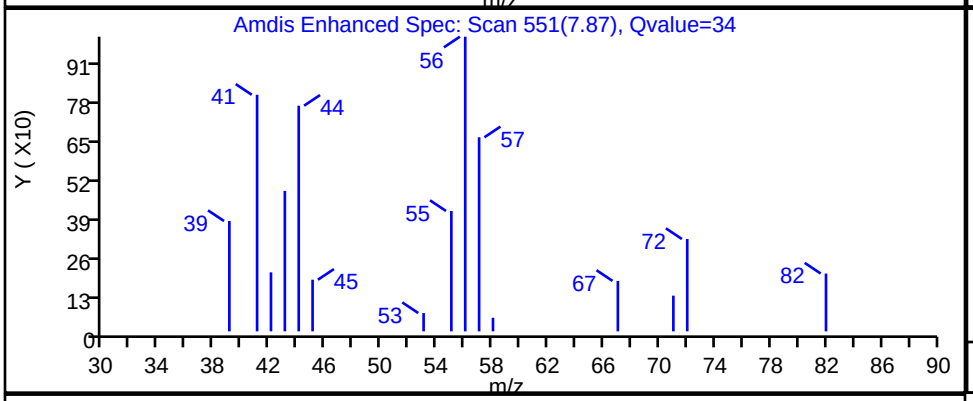
Data File:	\\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915194.d				
Injection Date:	26-Jun-2020 00:25:20	Instrument ID:	A3UX19		
Lims ID:	240-131928-B-4	Lab Sample ID:	240-131928-4		
Client ID:	MSA-SW37D-061520				
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

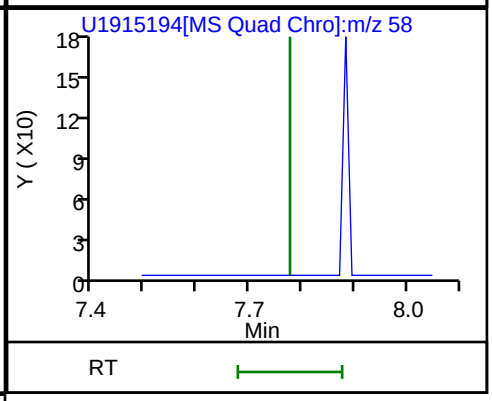
77 2-Hexanone, CAS: 591-78-6

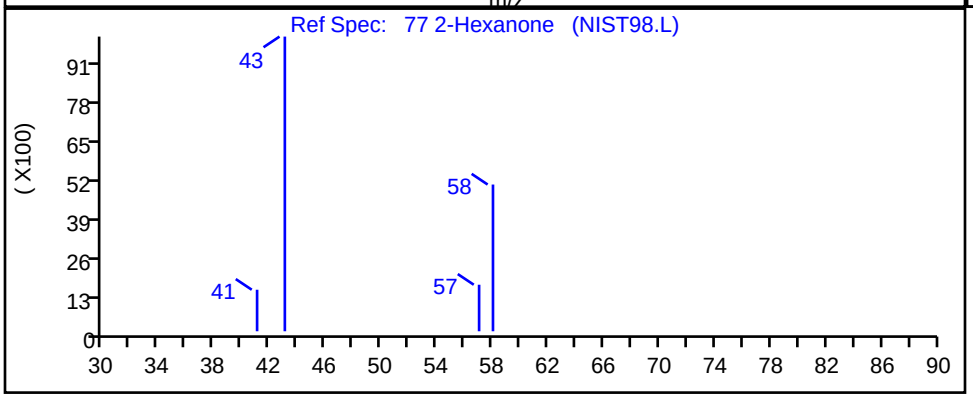
Processing Results











RT	Mass	Response	Amount
7.87	43.00	2763	0.233467
7.78	58.00	0	

Reviewer: laveyt, 26-Jun-2020 13:33:55

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38A-061520 Lab Sample ID: 240-131928-5

Matrix: Water Lab File ID: U1915195.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroeth ane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38A-061520 Lab Sample ID: 240-131928-5

Matrix: Water Lab File ID: U1915195.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38A-061520 Lab Sample ID: 240-131928-5

Matrix: Water Lab File ID: U1915195.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		75-130
460-00-4	4-Bromofluorobenzene (Surr)	92		47-134
2037-26-5	Toluene-d8 (Surr)	101		69-122
1868-53-7	Dibromofluoromethane (Surr)	100		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38A-061520 Lab Sample ID: 240-131928-5

Matrix: Water Lab File ID: U1915195.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38A-061520 Lab Sample ID: 240-131928-5

Matrix: Water Lab File ID: U1915195.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 00:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915195.d
Lims ID: 240-131928-B-5
Client ID: MSA-SW38A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 00:47:59 ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-026
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:34:21 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:34:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.666	5.665	0.001	99	1067631	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	84	783713	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.895	10.895	0.000	95	383315	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.049	5.061	-0.012	94	286391	19.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	95	307629	18.6	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	93	948924	20.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.685	0.001	92	325673	18.4	
9 Dichlorodifluoromethane	85		1.622				ND	
10 Chloromethane	50		1.835				ND	
12 Vinyl chloride	62		1.942				ND	
13 Bromomethane	94		2.238				ND	
15 Chloroethane	64		2.321				ND	
17 Trichlorofluoromethane	101		2.582				ND	
20 1,1-Dichloroethene	61		3.045				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.068				ND	
22 Acetone	43	3.080	3.080	0.000	99	9990	2.39	
25 Carbon disulfide	76		3.270				ND	
29 Methylene Chloride	49		3.495				ND	
30 2-Methyl-2-propanol	59		3.590				ND	
32 trans-1,2-Dichloroethene	61		3.744				ND	
33 Methyl tert-butyl ether	73		3.744				ND	
35 1,1-Dichloroethane	63		4.124				ND	
36 Vinyl acetate	43		4.159				ND	
37 Isopropyl ether	87		4.183				ND	
39 Tert-butyl ethyl ether	59		4.503				ND	
41 cis-1,2-Dichloroethene	96		4.634				ND	
42 2,2-Dichloropropane	77		4.645				ND	
40 2-Butanone (MEK)	72	4.634	4.645	-0.011	61	434	0.1722	
46 Chlorobromomethane	49		4.847				ND	
48 Chloroform	83		4.918				ND	
49 1,1,1-Trichloroethane	97		5.096				ND	
51 1,1-Dichloropropene	75		5.238				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.250				ND	
54 Benzene	78		5.416				ND	
55 1,2-Dichloroethane	62		5.428				ND	
56 Tert-amyl methyl ether	73		5.511				ND	
59 Trichloroethene	130		5.997				ND	
62 1,2-Dichloropropane	63		6.199				ND	
64 Dibromomethane	174		6.306				ND	
66 Dichlorobromomethane	83		6.436				ND	
68 2-Chloroethyl vinyl ether	63		6.709				ND	
69 cis-1,3-Dichloropropene	75		6.851				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.982				ND	
71 Toluene	91		7.171				ND	
72 trans-1,3-Dichloropropene	75		7.361				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.705				ND	
77 2-Hexanone	43		7.776				ND	U
79 Chlorodibromomethane	129		7.930				ND	
81 Ethylene Dibromide	107		8.049				ND	
83 Chlorobenzene	112		8.535				ND	
84 1,1,1,2-Tetrachloroethane	131		8.606				ND	
85 Ethylbenzene	106		8.642				ND	
86 m-Xylene & p-Xylene	106		8.749				ND	
87 o-Xylene	106		9.152				ND	
88 Styrene	104		9.164				ND	
89 Bromoform	173		9.353				ND	
90 Isopropylbenzene	105		9.531				ND	
93 1,1,2,2-Tetrachloroethane	83		9.816				ND	
95 Bromobenzene	156		9.851				ND	
96 1,2,3-Trichloropropane	110		9.875				ND	
98 N-Propylbenzene	120		9.946				ND	
100 2-Chlorotoluene	126		10.041				ND	
102 4-Chlorotoluene	126		10.160				ND	
103 tert-Butylbenzene	119		10.480				ND	
105 1,2,4-Trimethylbenzene	105		10.527				ND	
106 sec-Butylbenzene	105		10.705				ND	
107 1,3-Dichlorobenzene	146		10.824				ND	
108 4-Isopropyltoluene	119		10.859				ND	
109 1,4-Dichlorobenzene	146		10.919				ND	
110 1,2,3-Trimethylbenzene	105		10.966				ND	
112 n-Butylbenzene	91		11.286				ND	
113 1,2-Dichlorobenzene	146		11.310				ND	
114 1,2-Dibromo-3-Chloropropane	157		12.128				ND	
116 1,2,4-Trichlorobenzene	180		13.018				ND	
117 Hexachlorobutadiene	225		13.207				ND	
118 Naphthalene	128		13.279				ND	
119 1,2,3-Trichlorobenzene	180		13.539				ND	
S 128 Xylenes, Total	106		16.520				ND	
T 131 Chlorodifluoromethane TIC	51		1.640				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

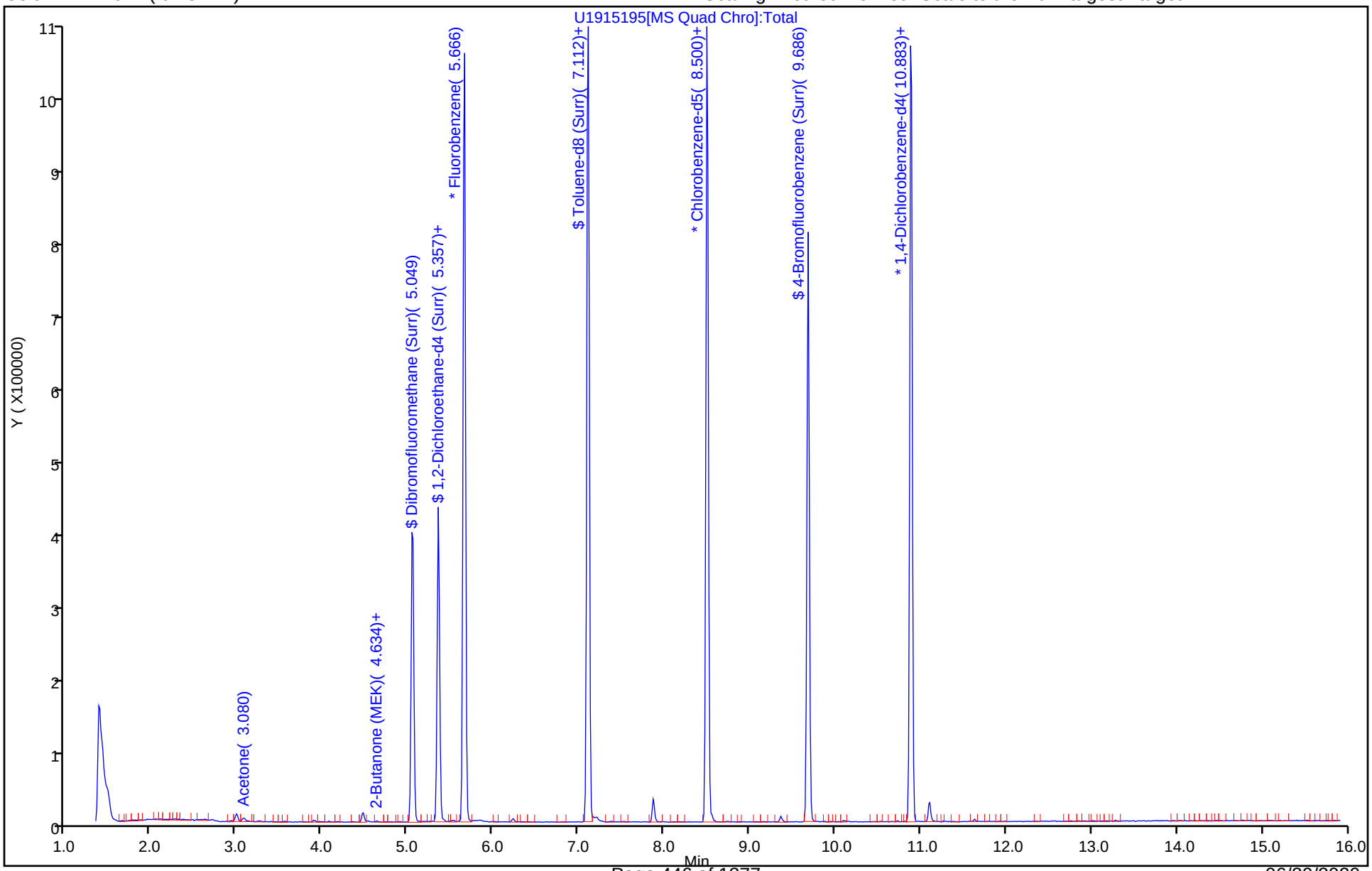
Report Date: 26-Jun-2020 13:34:21 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915195.d

Injection Date:	26-Jun-2020 00:47:59	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-131928-B-5	Lab Sample ID:	240-131928-5	Worklist Smp#:	26
Client ID:	MSA-SW38A-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915195.d
Lims ID: 240-131928-B-5
Client ID: MSA-SW38A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 00:47:59 ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-026
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:34:21 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:34:21

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.9	99.65
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.6	93.19
$ 6 Toluene-d8 (Surr)	20.0	20.2	100.96
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.4	92.08

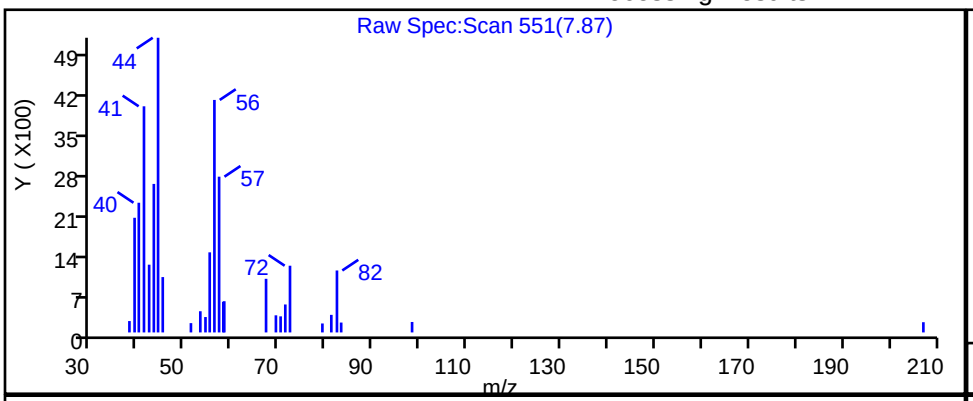
User Disabled Compound Report

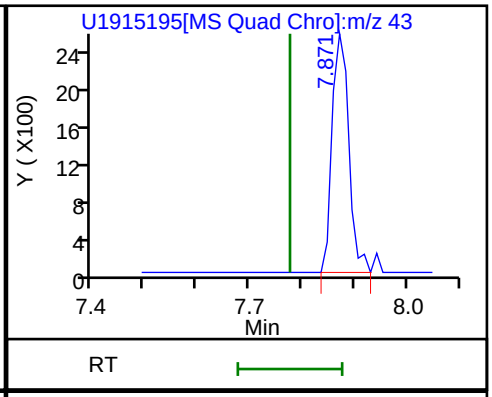
Eurofins TestAmerica, Canton

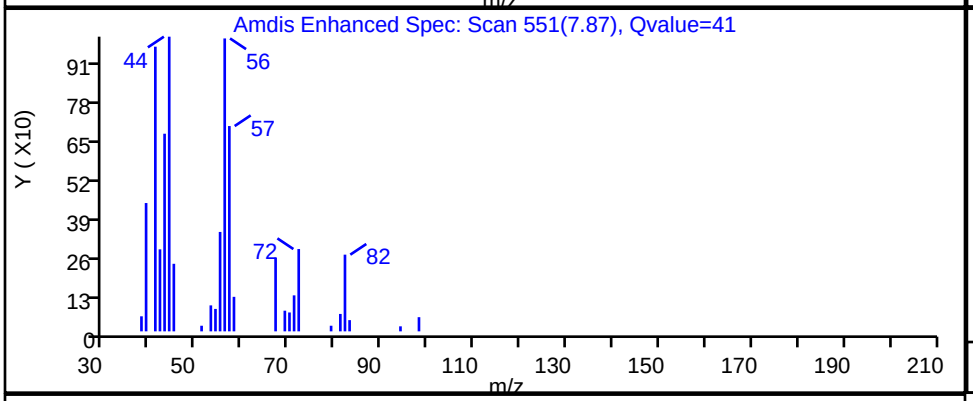
Data File:	\\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915195.d				
Injection Date:	26-Jun-2020 00:47:59	Instrument ID:	A3UX19		
Lims ID:	240-131928-B-5	Lab Sample ID:	240-131928-5		
Client ID:	MSA-SW38A-061520				
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

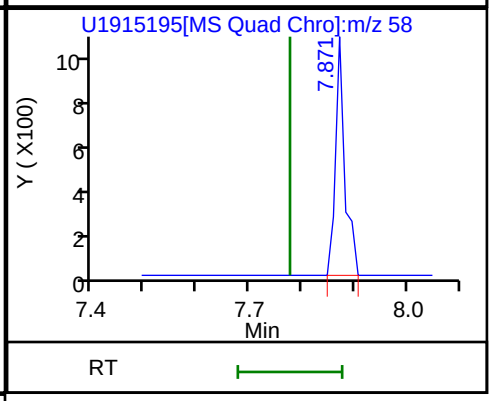
77 2-Hexanone, CAS: 591-78-6

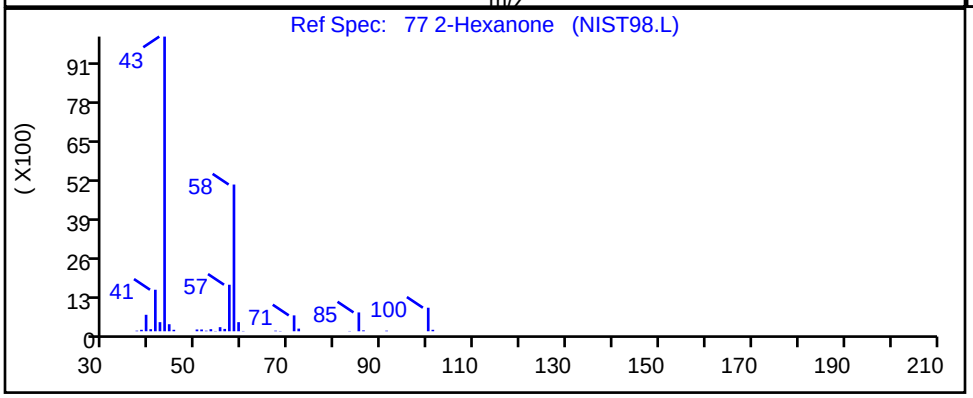
Processing Results











RT	Mass	Response	Amount
7.87	43.00	5762	0.466967
7.87	58.00	1330	

Reviewer: laveyt, 26-Jun-2020 13:34:15

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38B-061520 Lab Sample ID: 240-131928-6

Matrix: Water Lab File ID: U1915196.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:39

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:10

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38B-061520 Lab Sample ID: 240-131928-6

Matrix: Water Lab File ID: U1915196.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:39

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:10

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38B-061520 Lab Sample ID: 240-131928-6

Matrix: Water Lab File ID: U1915196.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:39

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:10

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		75-130
460-00-4	4-Bromofluorobenzene (Surr)	96		47-134
2037-26-5	Toluene-d8 (Surr)	104		69-122
1868-53-7	Dibromofluoromethane (Surr)	103		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38B-061520 Lab Sample ID: 240-131928-6

Matrix: Water Lab File ID: U1915196.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:39

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:10

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38B-061520 Lab Sample ID: 240-131928-6

Matrix: Water Lab File ID: U1915196.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:39

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:10

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915196.d
Lims ID: 240-131928-B-6
Client ID: MSA-SW38B-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 01:10:27 ALS Bottle#: 0 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-027
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:34:38 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:34:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.666	5.665	0.001	99	1053119	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	85	752120	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.895	10.895	0.000	94	378410	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.061	5.061	0.000	94	291356	20.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	95	316295	19.4	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	92	939324	20.8	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.685	0.001	91	325869	19.2	
9 Dichlorodifluoromethane	85		1.622				ND	
10 Chloromethane	50		1.835				ND	
12 Vinyl chloride	62		1.942				ND	
13 Bromomethane	94		2.238				ND	
15 Chloroethane	64		2.321				ND	
17 Trichlorofluoromethane	101		2.582				ND	
20 1,1-Dichloroethene	61		3.045				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.068				ND	
22 Acetone	43	3.092	3.080	0.012	99	8539	2.07	
25 Carbon disulfide	76		3.270				ND	
29 Methylene Chloride	49		3.495				ND	
30 2-Methyl-2-propanol	59	3.590	3.590	0.000	35	430	0.3015	
32 trans-1,2-Dichloroethene	61		3.744				ND	
33 Methyl tert-butyl ether	73		3.744				ND	
35 1,1-Dichloroethane	63		4.124				ND	
36 Vinyl acetate	43		4.159				ND	
37 Isopropyl ether	87		4.183				ND	
39 Tert-butyl ethyl ether	59		4.503				ND	
41 cis-1,2-Dichloroethene	96		4.634				ND	
42 2,2-Dichloropropane	77		4.645				ND	
40 2-Butanone (MEK)	72		4.645				ND	
46 Chlorobromomethane	49		4.847				ND	
48 Chloroform	83		4.918				ND	
49 1,1,1-Trichloroethane	97		5.096				ND	
51 1,1-Dichloropropene	75		5.238				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.250				ND	
54 Benzene	78		5.416				ND	
55 1,2-Dichloroethane	62		5.428				ND	
56 Tert-amyl methyl ether	73		5.511				ND	
59 Trichloroethene	130		5.997				ND	
62 1,2-Dichloropropane	63		6.199				ND	
64 Dibromomethane	174		6.306				ND	
66 Dichlorobromomethane	83		6.436				ND	
68 2-Chloroethyl vinyl ether	63		6.709				ND	
69 cis-1,3-Dichloropropene	75		6.851				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.982				ND	
71 Toluene	91		7.171				ND	
72 trans-1,3-Dichloropropene	75		7.361				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.705				ND	
77 2-Hexanone	43		7.776				ND	U
79 Chlorodibromomethane	129		7.930				ND	
81 Ethylene Dibromide	107		8.049				ND	
83 Chlorobenzene	112		8.535				ND	
84 1,1,1,2-Tetrachloroethane	131		8.606				ND	
85 Ethylbenzene	106		8.642				ND	
86 m-Xylene & p-Xylene	106		8.749				ND	
87 o-Xylene	106		9.152				ND	
88 Styrene	104		9.164				ND	
89 Bromoform	173		9.353				ND	
90 Isopropylbenzene	105		9.531				ND	
93 1,1,2,2-Tetrachloroethane	83		9.816				ND	
95 Bromobenzene	156		9.851				ND	
96 1,2,3-Trichloropropane	110		9.875				ND	
98 N-Propylbenzene	120		9.946				ND	
100 2-Chlorotoluene	126		10.041				ND	
102 4-Chlorotoluene	126		10.160				ND	
103 tert-Butylbenzene	119		10.480				ND	
105 1,2,4-Trimethylbenzene	105		10.527				ND	
106 sec-Butylbenzene	105		10.705				ND	
107 1,3-Dichlorobenzene	146		10.824				ND	
108 4-Isopropyltoluene	119		10.859				ND	
109 1,4-Dichlorobenzene	146		10.919				ND	
110 1,2,3-Trimethylbenzene	105		10.966				ND	
112 n-Butylbenzene	91		11.286				ND	
113 1,2-Dichlorobenzene	146		11.310				ND	
114 1,2-Dibromo-3-Chloropropane	157		12.128				ND	
116 1,2,4-Trichlorobenzene	180		13.018				ND	
117 Hexachlorobutadiene	225		13.207				ND	
118 Naphthalene	128		13.279				ND	
119 1,2,3-Trichlorobenzene	180		13.539				ND	
S 128 Xylenes, Total	106		16.520				ND	
T 131 Chlorodifluoromethane TIC	51		1.640				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

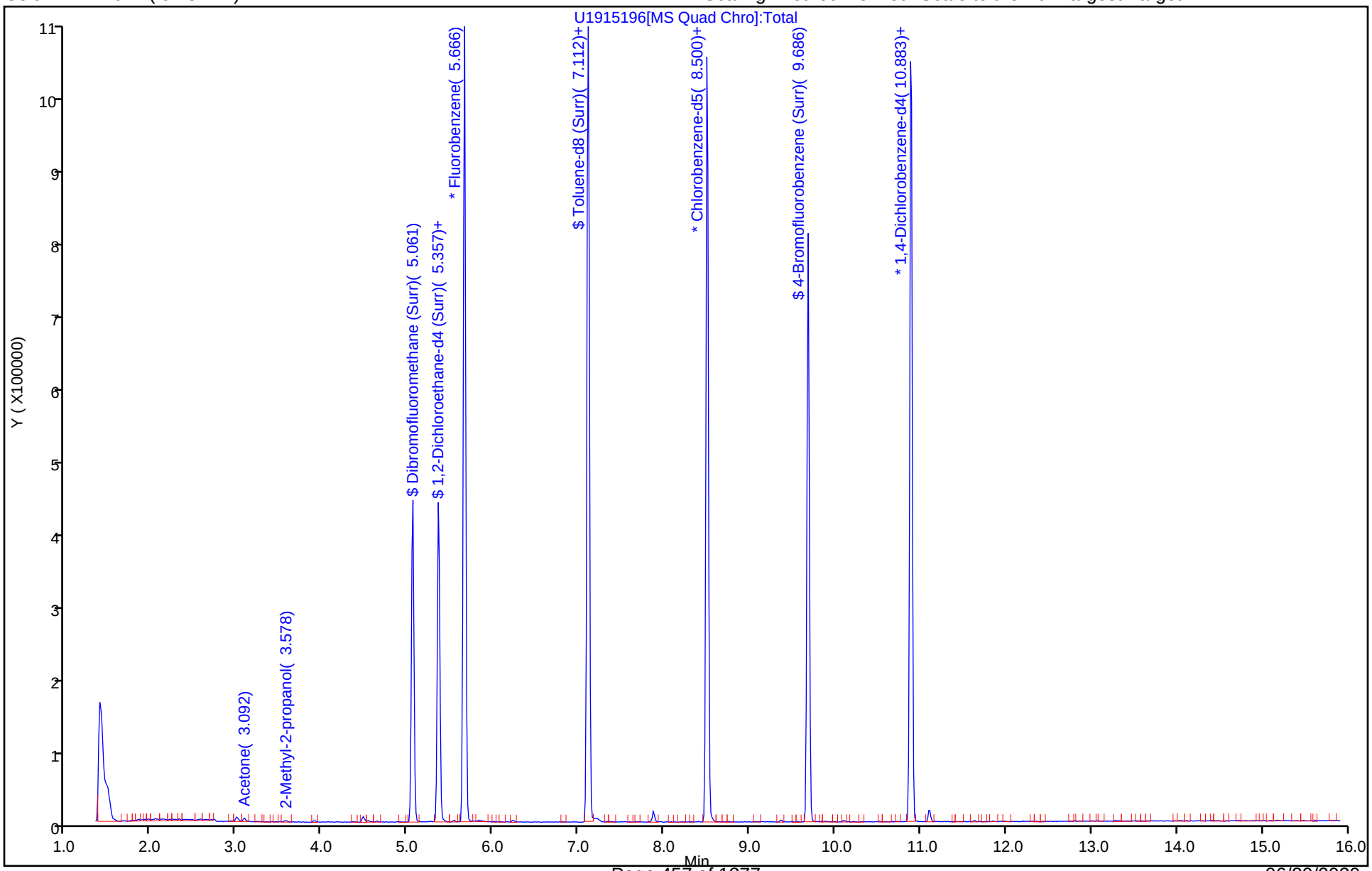
Report Date: 26-Jun-2020 13:34:38 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915196.d

Injection Date:	26-Jun-2020 01:10:27	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-131928-B-6	Lab Sample ID:	240-131928-6	Worklist Smp#:	27
Client ID:	MSA-SW38B-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915196.d
Lims ID: 240-131928-B-6
Client ID: MSA-SW38B-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 01:10:27 ALS Bottle#: 0 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-027
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:34:38 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:34:38

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.6	102.77
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.4	97.14
$ 6 Toluene-d8 (Surr)	20.0	20.8	104.14
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.2	96.01

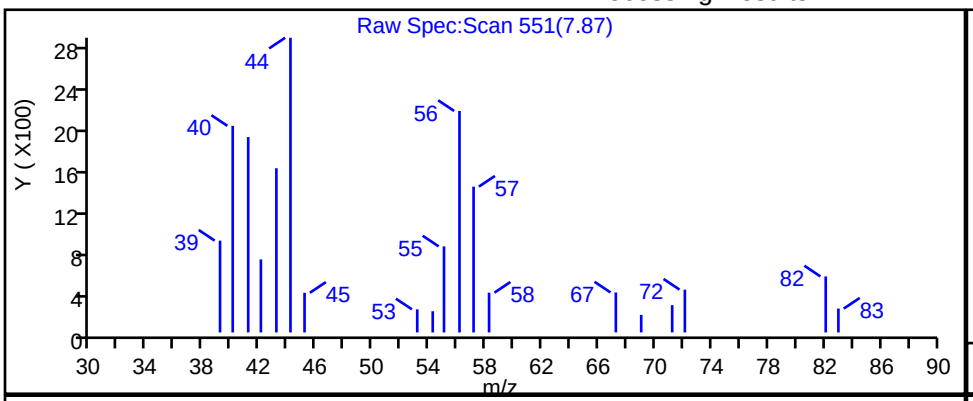
User Disabled Compound Report

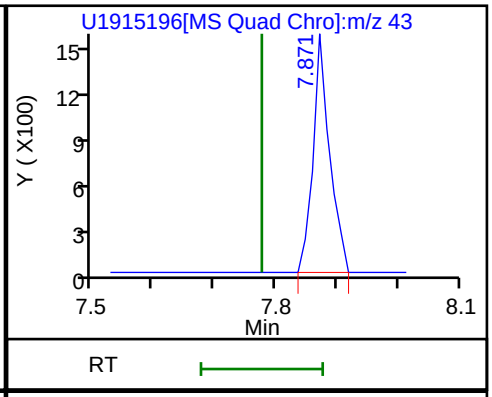
Eurofins TestAmerica, Canton

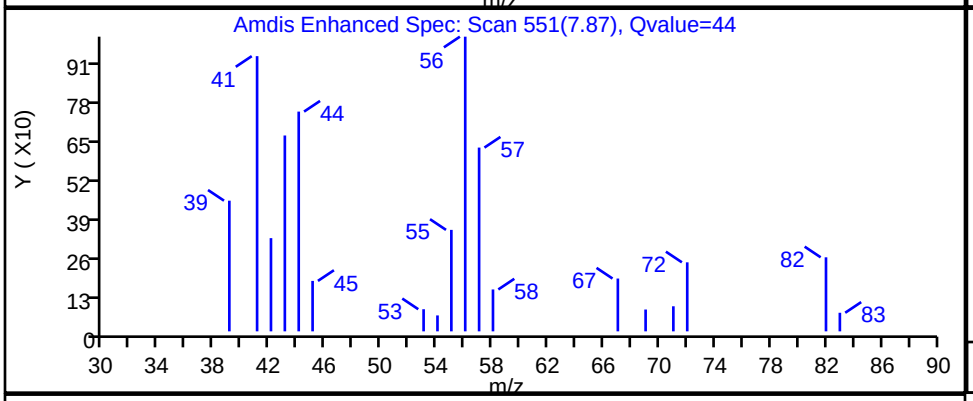
Data File:	\\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915196.d				
Injection Date:	26-Jun-2020 01:10:27	Instrument ID:	A3UX19		
Lims ID:	240-131928-B-6	Lab Sample ID:	240-131928-6		
Client ID:	MSA-SW38B-061520				
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

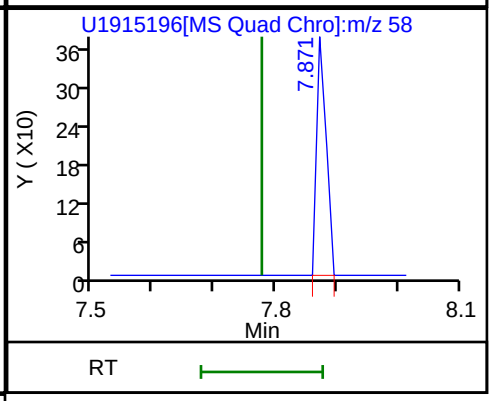
77 2-Hexanone, CAS: 591-78-6

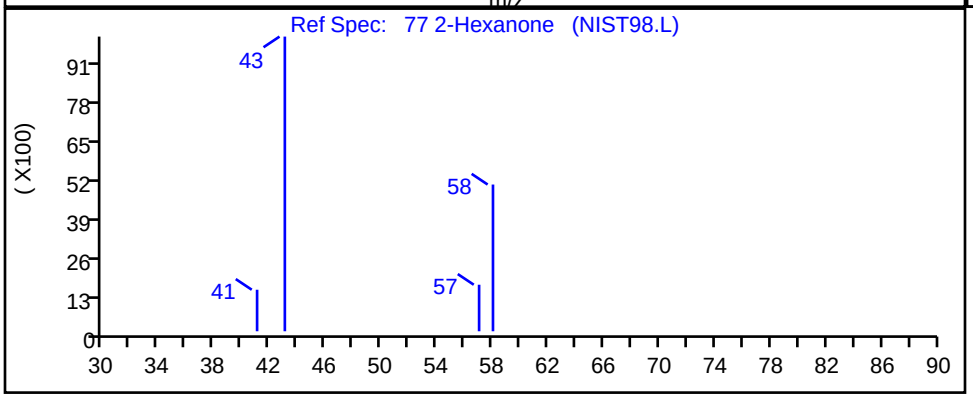
Processing Results











RT	Mass	Response	Amount
7.87	43.00	2953	0.249371
7.87	58.00	413	

Reviewer: laveyt, 26-Jun-2020 13:34:33

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38C-061520 Lab Sample ID: 240-131928-7

Matrix: Water Lab File ID: U1915197.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:43

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:33

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroeth ane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38C-061520 Lab Sample ID: 240-131928-7

Matrix: Water Lab File ID: U1915197.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:43

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:33

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38C-061520 Lab Sample ID: 240-131928-7

Matrix: Water Lab File ID: U1915197.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:43

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:33

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
460-00-4	4-Bromofluorobenzene (Surr)	91		47-134
2037-26-5	Toluene-d8 (Surr)	100		69-122
1868-53-7	Dibromofluoromethane (Surr)	100		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38C-061520 Lab Sample ID: 240-131928-7

Matrix: Water Lab File ID: U1915197.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:43

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:33

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38C-061520 Lab Sample ID: 240-131928-7

Matrix: Water Lab File ID: U1915197.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:43

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:33

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915197.d
Lims ID: 240-131928-B-7
Client ID: MSA-SW38C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 01:33:05 ALS Bottle#: 0 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-028
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:34:53 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:34:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.666	5.665	0.001	99	1057754	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	84	759787	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.895	10.895	0.000	94	377883	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.061	5.061	0.000	94	285841	20.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	95	306319	18.7	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	92	911676	20.0	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.685	0.001	91	310772	18.1	
9 Dichlorodifluoromethane	85		1.622				ND	
10 Chloromethane	50		1.835				ND	
12 Vinyl chloride	62		1.942				ND	
13 Bromomethane	94		2.238				ND	
15 Chloroethane	64		2.321				ND	
17 Trichlorofluoromethane	101		2.582				ND	
20 1,1-Dichloroethene	61		3.045				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.068				ND	
22 Acetone	43	3.092	3.080	0.012	100	10270	2.48	
25 Carbon disulfide	76		3.270				ND	
29 Methylene Chloride	49		3.495				ND	
30 2-Methyl-2-propanol	59		3.590				ND	
32 trans-1,2-Dichloroethene	61		3.744				ND	
33 Methyl tert-butyl ether	73		3.744				ND	
35 1,1-Dichloroethane	63		4.124				ND	
36 Vinyl acetate	43		4.159				ND	
37 Isopropyl ether	87		4.183				ND	
39 Tert-butyl ethyl ether	59		4.503				ND	
41 cis-1,2-Dichloroethene	96		4.634				ND	
42 2,2-Dichloropropane	77		4.645				ND	
40 2-Butanone (MEK)	72		4.645				ND	
46 Chlorobromomethane	49		4.847				ND	
48 Chloroform	83		4.918				ND	
49 1,1,1-Trichloroethane	97		5.096				ND	
51 1,1-Dichloropropene	75		5.238				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.250				ND	
54 Benzene	78		5.416				ND	
55 1,2-Dichloroethane	62		5.428				ND	
56 Tert-amyl methyl ether	73		5.511				ND	
59 Trichloroethene	130		5.997				ND	
62 1,2-Dichloropropane	63		6.199				ND	
64 Dibromomethane	174		6.306				ND	
66 Dichlorobromomethane	83		6.436				ND	
68 2-Chloroethyl vinyl ether	63		6.709				ND	
69 cis-1,3-Dichloropropene	75		6.851				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.982				ND	
71 Toluene	91		7.171				ND	
72 trans-1,3-Dichloropropene	75		7.361				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.705				ND	
77 2-Hexanone	43		7.776				ND	U
79 Chlorodibromomethane	129		7.930				ND	
81 Ethylene Dibromide	107		8.049				ND	
83 Chlorobenzene	112		8.535				ND	
84 1,1,1,2-Tetrachloroethane	131		8.606				ND	
85 Ethylbenzene	106		8.642				ND	
86 m-Xylene & p-Xylene	106		8.749				ND	
87 o-Xylene	106		9.152				ND	
88 Styrene	104		9.164				ND	
89 Bromoform	173		9.353				ND	
90 Isopropylbenzene	105		9.531				ND	
93 1,1,2,2-Tetrachloroethane	83		9.816				ND	
95 Bromobenzene	156		9.851				ND	
96 1,2,3-Trichloropropane	110		9.875				ND	
98 N-Propylbenzene	120		9.946				ND	
100 2-Chlorotoluene	126		10.041				ND	
102 4-Chlorotoluene	126		10.160				ND	
103 tert-Butylbenzene	119		10.480				ND	
105 1,2,4-Trimethylbenzene	105		10.527				ND	
106 sec-Butylbenzene	105		10.705				ND	
107 1,3-Dichlorobenzene	146		10.824				ND	
108 4-Isopropyltoluene	119		10.859				ND	
109 1,4-Dichlorobenzene	146		10.919				ND	
110 1,2,3-Trimethylbenzene	105		10.966				ND	
112 n-Butylbenzene	91		11.286				ND	
113 1,2-Dichlorobenzene	146		11.310				ND	
114 1,2-Dibromo-3-Chloropropane	157		12.128				ND	
116 1,2,4-Trichlorobenzene	180		13.018				ND	
117 Hexachlorobutadiene	225		13.207				ND	
118 Naphthalene	128		13.279				ND	
119 1,2,3-Trichlorobenzene	180		13.539				ND	
S 128 Xylenes, Total	106		16.520				ND	
T 131 Chlorodifluoromethane TIC	51		1.640				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

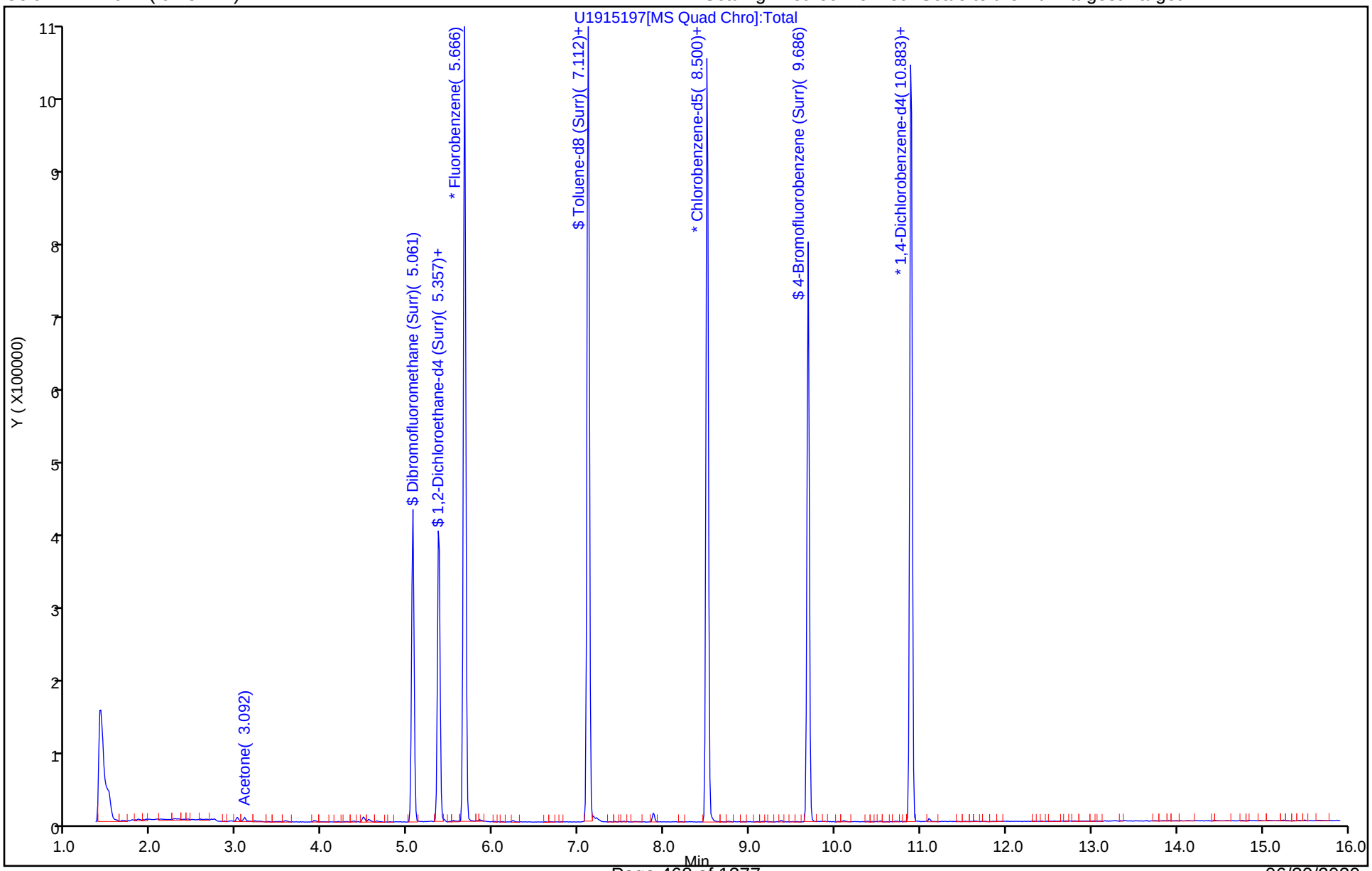
Report Date: 26-Jun-2020 13:34:53 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915197.d

Injection Date:	26-Jun-2020 01:33:05	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-131928-B-7	Lab Sample ID:	240-131928-7	Worklist Smp#:	28
Client ID:	MSA-SW38C-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915197.d
Lims ID: 240-131928-B-7
Client ID: MSA-SW38C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 01:33:05 ALS Bottle#: 0 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-028
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:34:53 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:34:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.1	100.38
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.7	93.66
$ 6 Toluene-d8 (Surr)	20.0	20.0	100.05
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.1	90.64

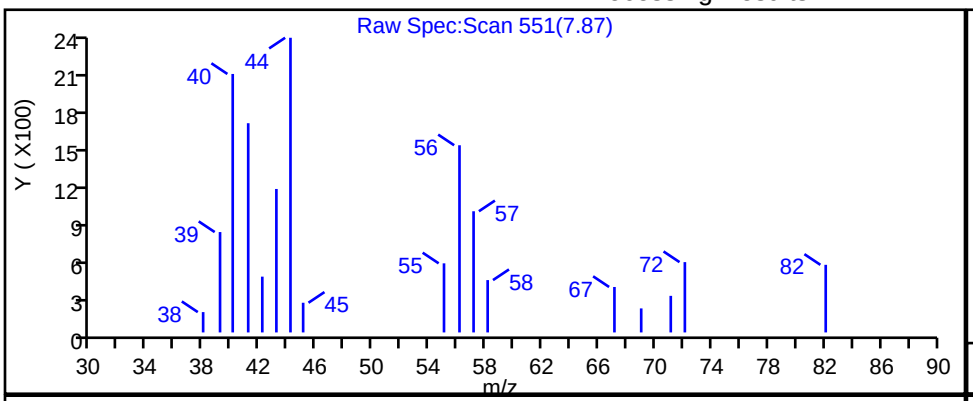
User Disabled Compound Report

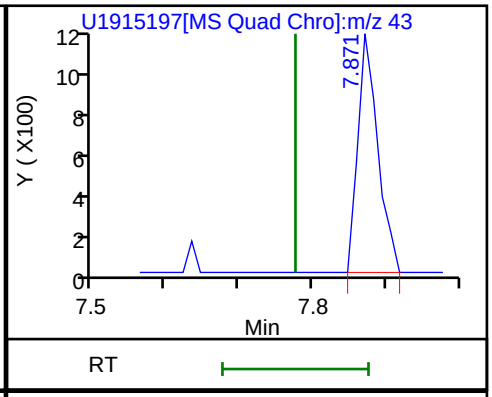
Eurofins TestAmerica, Canton

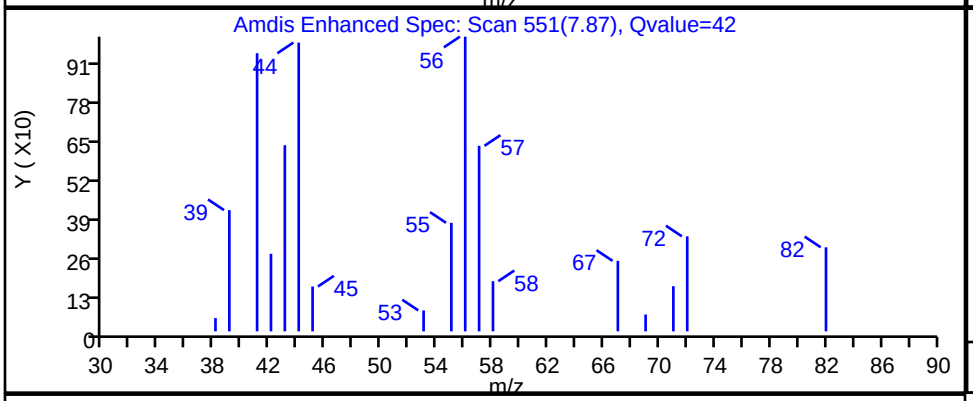
Data File:	\\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915197.d				
Injection Date:	26-Jun-2020 01:33:05	Instrument ID:	A3UX19		
Lims ID:	240-131928-B-7	Lab Sample ID:	240-131928-7		
Client ID:	MSA-SW38C-061520				
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

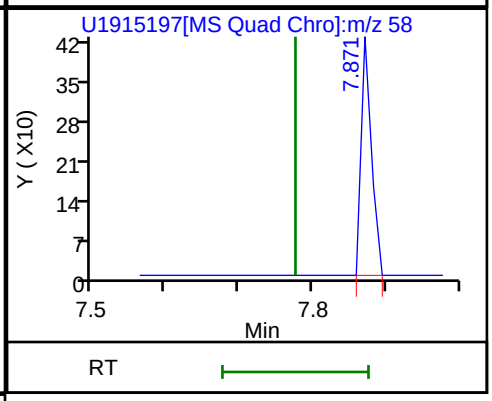
77 2-Hexanone, CAS: 591-78-6

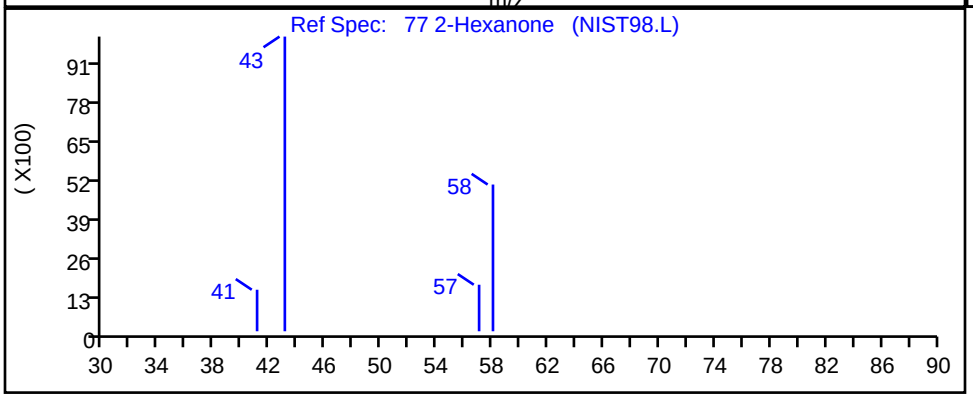
Processing Results











RT	Mass	Response	Amount
7.87	43.00	2208	0.184577
7.87	58.00	414	

Reviewer: laveyt, 26-Jun-2020 13:34:47

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38D-061520 Lab Sample ID: 240-131928-8

Matrix: Water Lab File ID: U1915198.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:45

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:55

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroeth ane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38D-061520 Lab Sample ID: 240-131928-8

Matrix: Water Lab File ID: U1915198.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:45

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:55

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38D-061520 Lab Sample ID: 240-131928-8

Matrix: Water Lab File ID: U1915198.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:45

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:55

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
460-00-4	4-Bromofluorobenzene (Surr)	91		47-134
2037-26-5	Toluene-d8 (Surr)	102		69-122
1868-53-7	Dibromofluoromethane (Surr)	99		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38D-061520 Lab Sample ID: 240-131928-8

Matrix: Water Lab File ID: U1915198.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:45

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:55

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW38D-061520 Lab Sample ID: 240-131928-8

Matrix: Water Lab File ID: U1915198.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:45

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:55

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915198.d
Lims ID: 240-131928-B-8
Client ID: MSA-SW38D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 01:55:34 ALS Bottle#: 0 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-029
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:35:09 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:35:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.666	5.665	0.001	99	1051423	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	86	760206	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.895	10.895	0.000	94	375872	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.049	5.061	-0.012	94	281525	19.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	95	304158	18.7	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	92	932749	20.5	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.685	0.001	92	313790	18.3	
9 Dichlorodifluoromethane	85		1.622				ND	
10 Chloromethane	50		1.835				ND	
12 Vinyl chloride	62		1.942				ND	
13 Bromomethane	94		2.238				ND	
15 Chloroethane	64		2.321				ND	
17 Trichlorofluoromethane	101		2.582				ND	
20 1,1-Dichloroethene	61		3.045				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.068				ND	
22 Acetone	43	3.080	3.080	0.000	98	6757	1.64	
25 Carbon disulfide	76		3.270				ND	
29 Methylene Chloride	49		3.495				ND	
30 2-Methyl-2-propanol	59		3.590				ND	
32 trans-1,2-Dichloroethene	61		3.744				ND	
33 Methyl tert-butyl ether	73		3.744				ND	
35 1,1-Dichloroethane	63		4.124				ND	
36 Vinyl acetate	43		4.159				ND	
37 Isopropyl ether	87		4.183				ND	
39 Tert-butyl ethyl ether	59		4.503				ND	
41 cis-1,2-Dichloroethene	96		4.634				ND	
42 2,2-Dichloropropane	77		4.645				ND	
40 2-Butanone (MEK)	72		4.645				ND	
46 Chlorobromomethane	49		4.847				ND	
48 Chloroform	83		4.918				ND	
49 1,1,1-Trichloroethane	97		5.096				ND	
51 1,1-Dichloropropene	75		5.238				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.250				ND	
54 Benzene	78		5.416				ND	
55 1,2-Dichloroethane	62		5.428				ND	
56 Tert-amyl methyl ether	73		5.511				ND	
59 Trichloroethene	130		5.997				ND	
62 1,2-Dichloropropane	63		6.199				ND	
64 Dibromomethane	174		6.306				ND	
66 Dichlorobromomethane	83		6.436				ND	
68 2-Chloroethyl vinyl ether	63		6.709				ND	
69 cis-1,3-Dichloropropene	75		6.851				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.982				ND	
71 Toluene	91		7.171				ND	
72 trans-1,3-Dichloropropene	75		7.361				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.705				ND	
77 2-Hexanone	43		7.776				ND	U
79 Chlorodibromomethane	129		7.930				ND	
81 Ethylene Dibromide	107		8.049				ND	
83 Chlorobenzene	112		8.535				ND	
84 1,1,1,2-Tetrachloroethane	131		8.606				ND	
85 Ethylbenzene	106		8.642				ND	
86 m-Xylene & p-Xylene	106		8.749				ND	
87 o-Xylene	106		9.152				ND	
88 Styrene	104		9.164				ND	
89 Bromoform	173		9.353				ND	
90 Isopropylbenzene	105		9.531				ND	
93 1,1,2,2-Tetrachloroethane	83		9.816				ND	
95 Bromobenzene	156		9.851				ND	
96 1,2,3-Trichloropropane	110		9.875				ND	
98 N-Propylbenzene	120		9.946				ND	
100 2-Chlorotoluene	126		10.041				ND	
102 4-Chlorotoluene	126		10.160				ND	
103 tert-Butylbenzene	119		10.480				ND	
105 1,2,4-Trimethylbenzene	105		10.527				ND	
106 sec-Butylbenzene	105		10.705				ND	
107 1,3-Dichlorobenzene	146		10.824				ND	
108 4-Isopropyltoluene	119		10.859				ND	
109 1,4-Dichlorobenzene	146		10.919				ND	
110 1,2,3-Trimethylbenzene	105		10.966				ND	
112 n-Butylbenzene	91		11.286				ND	
113 1,2-Dichlorobenzene	146		11.310				ND	
114 1,2-Dibromo-3-Chloropropane	157		12.128				ND	
116 1,2,4-Trichlorobenzene	180		13.018				ND	
117 Hexachlorobutadiene	225		13.207				ND	
118 Naphthalene	128		13.279				ND	
119 1,2,3-Trichlorobenzene	180		13.539				ND	
S 128 Xylenes, Total	106		16.520				ND	
T 131 Chlorodifluoromethane TIC	51		1.640				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

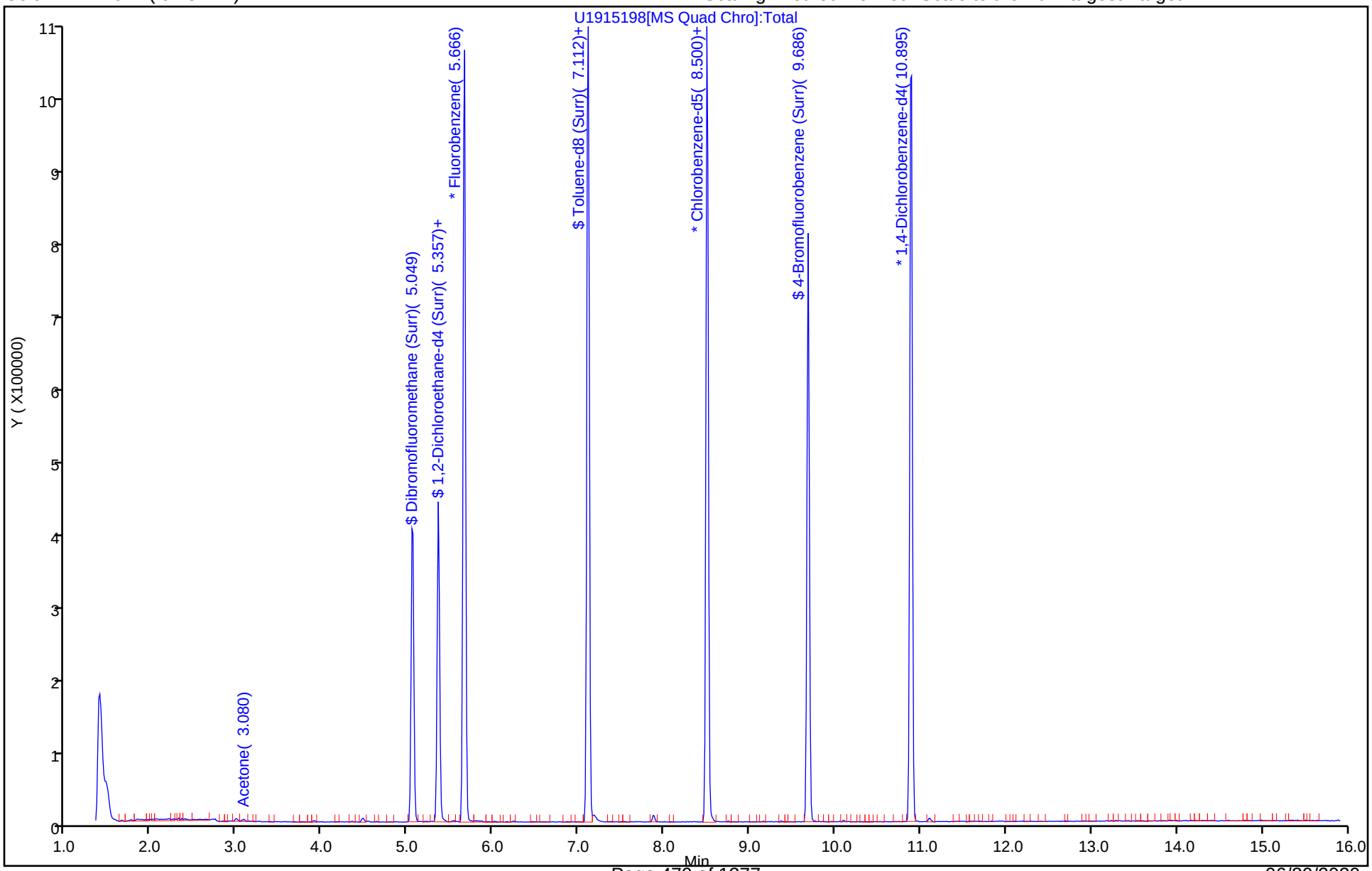
Report Date: 26-Jun-2020 13:35:09 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915198.d

Injection Date:	26-Jun-2020 01:55:34	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-131928-B-8	Lab Sample ID:	240-131928-8	Worklist Smp#:	29
Client ID:	MSA-SW38D-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915198.d
Lims ID: 240-131928-B-8
Client ID: MSA-SW38D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 01:55:34 ALS Bottle#: 0 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-029
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:35:09 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:35:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.9	99.46
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.7	93.56
$ 6 Toluene-d8 (Surr)	20.0	20.5	102.31
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.3	91.46

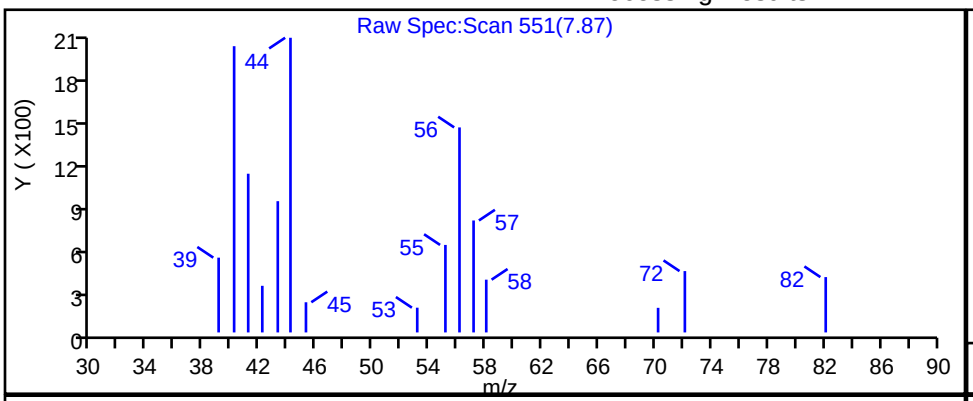
User Disabled Compound Report

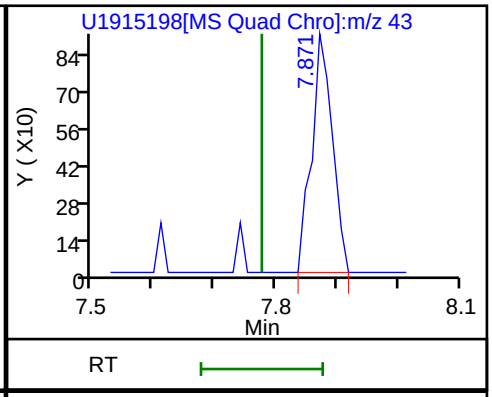
Eurofins TestAmerica, Canton

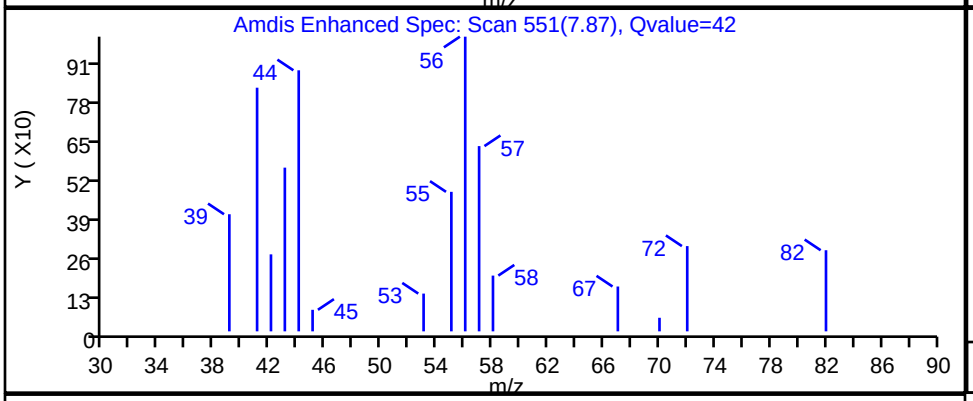
Data File:	\\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915198.d				
Injection Date:	26-Jun-2020 01:55:34	Instrument ID:	A3UX19		
Lims ID:	240-131928-B-8	Lab Sample ID:	240-131928-8		
Client ID:	MSA-SW38D-061520				
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

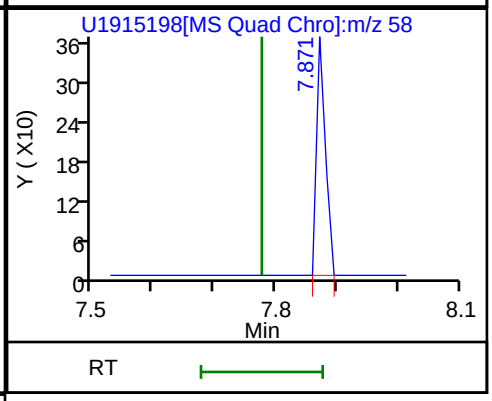
77 2-Hexanone, CAS: 591-78-6

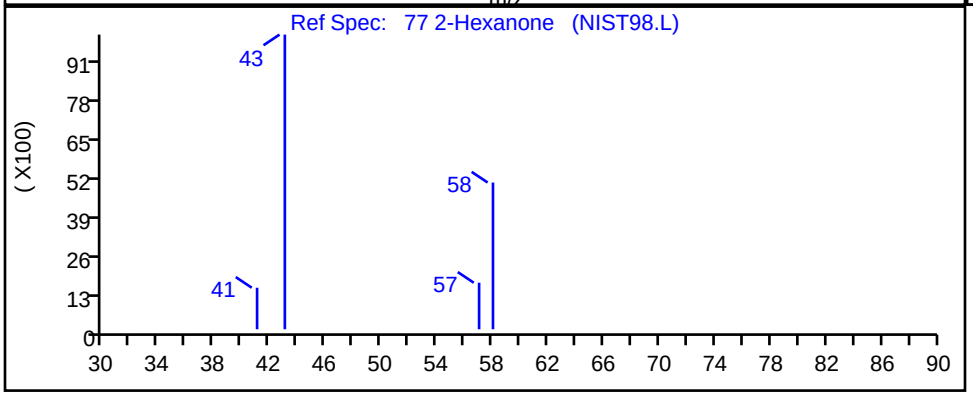
Processing Results











RT	Mass	Response	Amount
7.87	43.00	2158	0.180298
7.87	58.00	372	

Reviewer: laveyt, 26-Jun-2020 13:35:03

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40A-061520 Lab Sample ID: 240-131928-9

Matrix: Water Lab File ID: U1915199.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:52

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:18

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

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Matrix: Water Lab File ID: U1915199.d

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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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40A-061520 Lab Sample ID: 240-131928-9

Matrix: Water Lab File ID: U1915199.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:52

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:18

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
460-00-4	4-Bromofluorobenzene (Surr)	93		47-134
2037-26-5	Toluene-d8 (Surr)	101		69-122
1868-53-7	Dibromofluoromethane (Surr)	102		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40A-061520 Lab Sample ID: 240-131928-9

Matrix: Water Lab File ID: U1915199.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:52

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:18

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40A-061520 Lab Sample ID: 240-131928-9

Matrix: Water Lab File ID: U1915199.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:52

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:18

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915199.d
Lims ID: 240-131928-B-9
Client ID: MSA-SW40A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 02:18:01 ALS Bottle#: 0 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-030
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:35:31 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:35:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.665	5.665	0.000	99	1040406	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	84	743819	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.895	10.895	0.000	94	373744	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.061	5.061	0.000	94	284580	20.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	95	306365	19.0	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	93	904387	20.3	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.685	0.001	91	312506	18.6	
9 Dichlorodifluoromethane	85		1.622				ND	
10 Chloromethane	50		1.835				ND	
12 Vinyl chloride	62		1.942				ND	
13 Bromomethane	94		2.238				ND	
15 Chloroethane	64		2.321				ND	
17 Trichlorofluoromethane	101		2.582				ND	
20 1,1-Dichloroethene	61		3.045				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.068				ND	
22 Acetone	43	3.080	3.080	0.000	98	9808	2.40	
25 Carbon disulfide	76		3.270				ND	
29 Methylene Chloride	49		3.495				ND	
30 2-Methyl-2-propanol	59		3.590				ND	
32 trans-1,2-Dichloroethene	61		3.744				ND	
33 Methyl tert-butyl ether	73		3.744				ND	
35 1,1-Dichloroethane	63		4.124				ND	
36 Vinyl acetate	43		4.159				ND	
37 Isopropyl ether	87		4.183				ND	
39 Tert-butyl ethyl ether	59		4.503				ND	
41 cis-1,2-Dichloroethene	96		4.634				ND	
42 2,2-Dichloropropane	77		4.645				ND	
40 2-Butanone (MEK)	72		4.645				ND	
46 Chlorobromomethane	49		4.847				ND	
48 Chloroform	83		4.918				ND	
49 1,1,1-Trichloroethane	97		5.096				ND	
51 1,1-Dichloropropene	75		5.238				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.250				ND	
54 Benzene	78		5.416				ND	
55 1,2-Dichloroethane	62		5.428				ND	
56 Tert-amyl methyl ether	73		5.511				ND	
59 Trichloroethene	130		5.997				ND	
62 1,2-Dichloropropane	63		6.199				ND	
64 Dibromomethane	174		6.306				ND	
66 Dichlorobromomethane	83		6.436				ND	
68 2-Chloroethyl vinyl ether	63		6.709				ND	
69 cis-1,3-Dichloropropene	75		6.851				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.982				ND	
71 Toluene	91		7.171				ND	
72 trans-1,3-Dichloropropene	75		7.361				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.705				ND	
77 2-Hexanone	43		7.776				ND	U
79 Chlorodibromomethane	129		7.930				ND	
81 Ethylene Dibromide	107		8.049				ND	
83 Chlorobenzene	112		8.535				ND	
84 1,1,1,2-Tetrachloroethane	131		8.606				ND	
85 Ethylbenzene	106		8.642				ND	
86 m-Xylene & p-Xylene	106		8.749				ND	
87 o-Xylene	106		9.152				ND	
88 Styrene	104		9.164				ND	
89 Bromoform	173		9.353				ND	
90 Isopropylbenzene	105		9.531				ND	
93 1,1,2,2-Tetrachloroethane	83		9.816				ND	
95 Bromobenzene	156		9.851				ND	
96 1,2,3-Trichloropropane	110		9.875				ND	
98 N-Propylbenzene	120		9.946				ND	
100 2-Chlorotoluene	126		10.041				ND	
102 4-Chlorotoluene	126		10.160				ND	
103 tert-Butylbenzene	119		10.480				ND	
105 1,2,4-Trimethylbenzene	105		10.527				ND	
106 sec-Butylbenzene	105		10.705				ND	
107 1,3-Dichlorobenzene	146		10.824				ND	
108 4-Isopropyltoluene	119		10.859				ND	
109 1,4-Dichlorobenzene	146		10.919				ND	
110 1,2,3-Trimethylbenzene	105		10.966				ND	
112 n-Butylbenzene	91		11.286				ND	
113 1,2-Dichlorobenzene	146		11.310				ND	
114 1,2-Dibromo-3-Chloropropane	157		12.128				ND	
116 1,2,4-Trichlorobenzene	180		13.018				ND	
117 Hexachlorobutadiene	225		13.207				ND	
118 Naphthalene	128		13.279				ND	
119 1,2,3-Trichlorobenzene	180		13.539				ND	
S 128 Xylenes, Total	106		16.520				ND	
T 131 Chlorodifluoromethane TIC	51		1.640				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

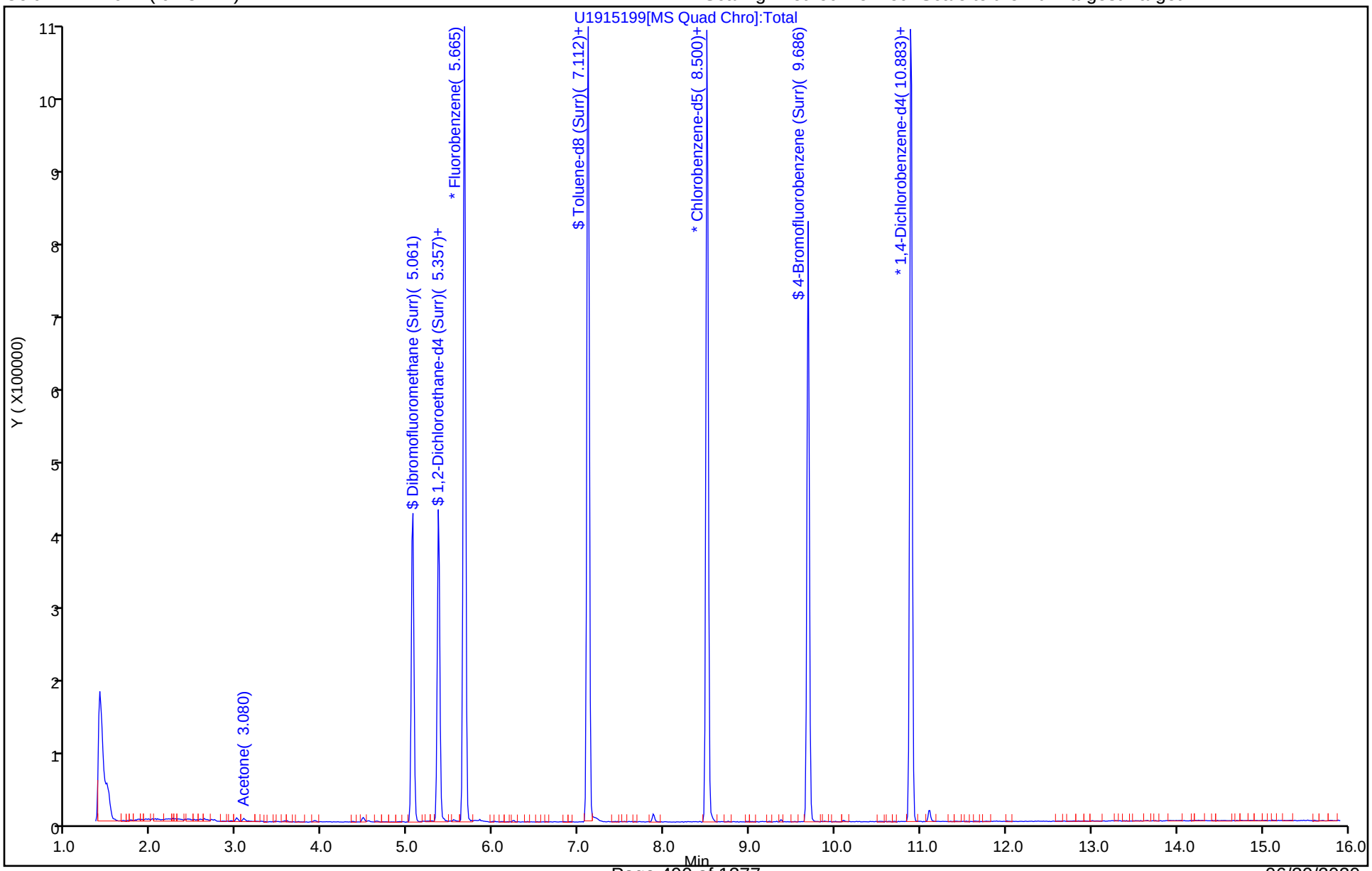
Report Date: 26-Jun-2020 13:35:31 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915199.d

Injection Date:	26-Jun-2020 02:18:01	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-131928-B-9	Lab Sample ID:	240-131928-9	Worklist Smp#:	30
Client ID:	MSA-SW40A-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915199.d
Lims ID: 240-131928-B-9
Client ID: MSA-SW40A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 02:18:01 ALS Bottle#: 0 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-030
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:35:31 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:35:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.3	101.61
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.0	95.24
$ 6 Toluene-d8 (Surr)	20.0	20.3	101.38
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.6	93.10

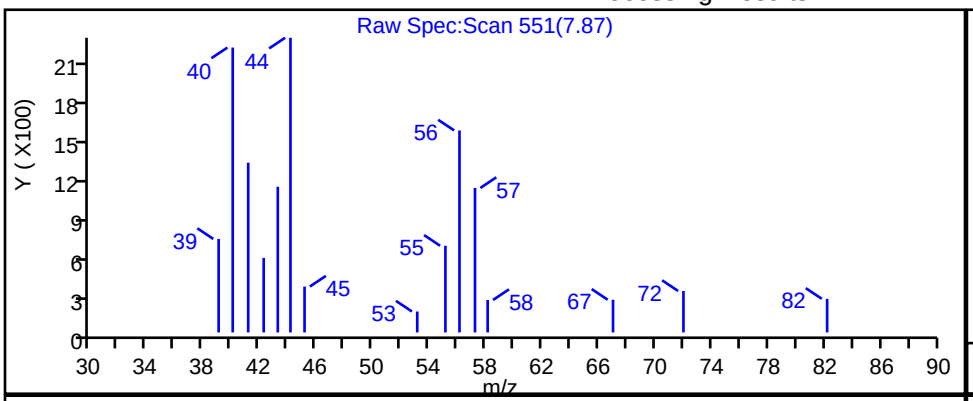
User Disabled Compound Report

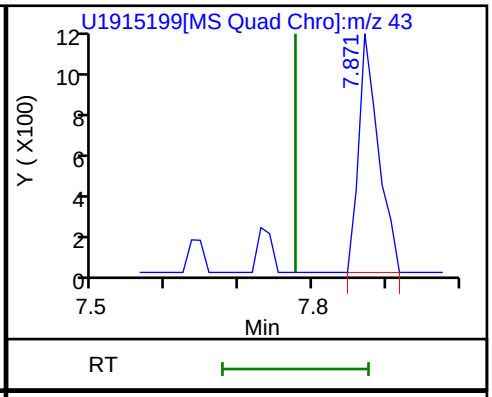
Eurofins TestAmerica, Canton

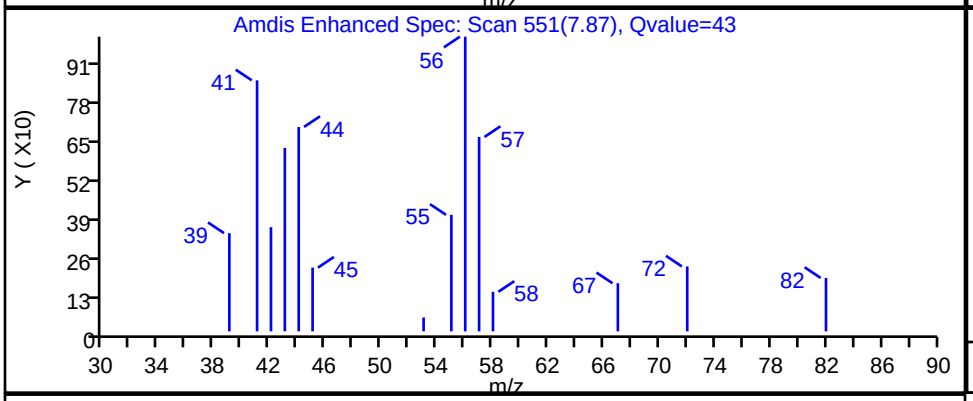
Data File:	\\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915199.d				
Injection Date:	26-Jun-2020 02:18:01	Instrument ID:	A3UX19		
Lims ID:	240-131928-B-9	Lab Sample ID:	240-131928-9		
Client ID:	MSA-SW40A-061520				
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	30
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

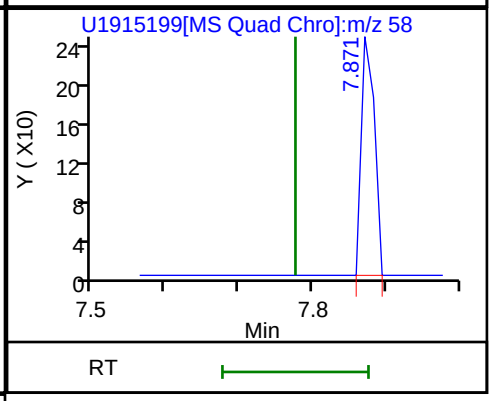
77 2-Hexanone, CAS: 591-78-6

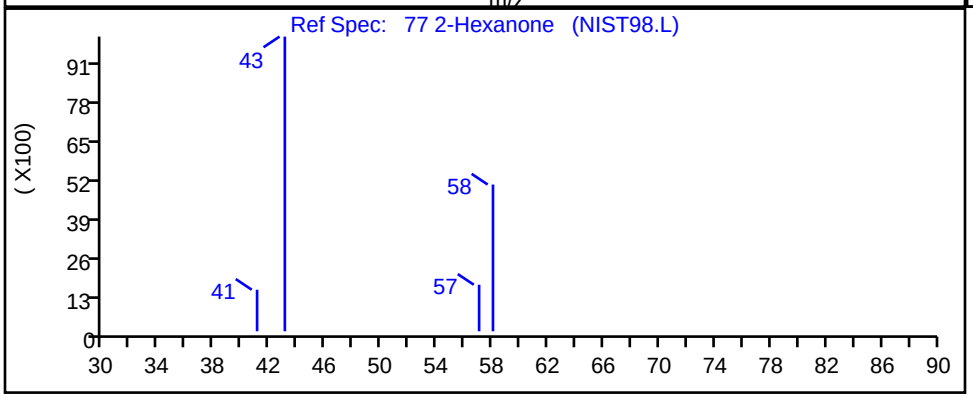
Processing Results











RT	Mass	Response	Amount
7.87	43.00	2086	0.178122
7.87	58.00	308	

Reviewer: laveyt, 26-Jun-2020 13:35:18

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40B-061520 Lab Sample ID: 240-131928-10

Matrix: Water Lab File ID: U1915200.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:55

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40B-061520 Lab Sample ID: 240-131928-10

Matrix: Water Lab File ID: U1915200.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:55

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40B-061520 Lab Sample ID: 240-131928-10

Matrix: Water Lab File ID: U1915200.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:55

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		75-130
460-00-4	4-Bromofluorobenzene (Surr)	98		47-134
2037-26-5	Toluene-d8 (Surr)	104		69-122
1868-53-7	Dibromofluoromethane (Surr)	101		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40B-061520 Lab Sample ID: 240-131928-10

Matrix: Water Lab File ID: U1915200.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:55

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:40

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40B-061520 Lab Sample ID: 240-131928-10

Matrix: Water Lab File ID: U1915200.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:55

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:40

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915200.d
Lims ID: 240-131928-B-10
Client ID: MSA-SW40B-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 02:40:29 ALS Bottle#: 0 Worklist Smp#: 31
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-031
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:35:50 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:35:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.665	5.665	0.000	99	1041923	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	85	732132	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.895	10.895	0.000	94	373667	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.061	5.061	0.000	94	284620	20.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	95	315364	19.6	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	92	915536	20.9	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.685	0.001	91	322803	19.5	
9 Dichlorodifluoromethane	85		1.622				ND	
10 Chloromethane	50		1.835				ND	
12 Vinyl chloride	62		1.942				ND	
13 Bromomethane	94		2.238				ND	
15 Chloroethane	64		2.321				ND	
17 Trichlorofluoromethane	101		2.582				ND	
20 1,1-Dichloroethene	61		3.045				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.068				ND	
22 Acetone	43	3.092	3.080	0.012	97	9150	2.24	
25 Carbon disulfide	76		3.270				ND	
29 Methylene Chloride	49		3.495				ND	
30 2-Methyl-2-propanol	59		3.590				ND	
32 trans-1,2-Dichloroethene	61		3.744				ND	
33 Methyl tert-butyl ether	73		3.744				ND	
35 1,1-Dichloroethane	63		4.124				ND	
36 Vinyl acetate	43		4.159				ND	
37 Isopropyl ether	87		4.183				ND	
39 Tert-butyl ethyl ether	59		4.503				ND	
41 cis-1,2-Dichloroethene	96		4.634				ND	
42 2,2-Dichloropropane	77		4.645				ND	
40 2-Butanone (MEK)	72		4.645				ND	
46 Chlorobromomethane	49		4.847				ND	
48 Chloroform	83		4.918				ND	
49 1,1,1-Trichloroethane	97		5.096				ND	
51 1,1-Dichloropropene	75		5.238				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.250				ND	
54 Benzene	78		5.416				ND	
55 1,2-Dichloroethane	62		5.428				ND	
56 Tert-amyl methyl ether	73		5.511				ND	
59 Trichloroethene	130		5.997				ND	
62 1,2-Dichloropropane	63		6.199				ND	
64 Dibromomethane	174		6.306				ND	
66 Dichlorobromomethane	83		6.436				ND	
68 2-Chloroethyl vinyl ether	63		6.709				ND	
69 cis-1,3-Dichloropropene	75		6.851				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.982				ND	
71 Toluene	91		7.171				ND	
72 trans-1,3-Dichloropropene	75		7.361				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.705				ND	
77 2-Hexanone	43		7.776				ND	U
79 Chlorodibromomethane	129		7.930				ND	
81 Ethylene Dibromide	107		8.049				ND	
83 Chlorobenzene	112		8.535				ND	
84 1,1,1,2-Tetrachloroethane	131		8.606				ND	
85 Ethylbenzene	106		8.642				ND	
86 m-Xylene & p-Xylene	106		8.749				ND	
87 o-Xylene	106		9.152				ND	
88 Styrene	104		9.164				ND	
89 Bromoform	173		9.353				ND	
90 Isopropylbenzene	105		9.531				ND	
93 1,1,2,2-Tetrachloroethane	83		9.816				ND	
95 Bromobenzene	156		9.851				ND	
96 1,2,3-Trichloropropane	110		9.875				ND	
98 N-Propylbenzene	120		9.946				ND	
100 2-Chlorotoluene	126		10.041				ND	
102 4-Chlorotoluene	126		10.160				ND	
103 tert-Butylbenzene	119		10.480				ND	
105 1,2,4-Trimethylbenzene	105		10.527				ND	
106 sec-Butylbenzene	105		10.705				ND	
107 1,3-Dichlorobenzene	146		10.824				ND	
108 4-Isopropyltoluene	119		10.859				ND	
109 1,4-Dichlorobenzene	146		10.919				ND	
110 1,2,3-Trimethylbenzene	105		10.966				ND	
112 n-Butylbenzene	91		11.286				ND	
113 1,2-Dichlorobenzene	146		11.310				ND	
114 1,2-Dibromo-3-Chloropropane	157		12.128				ND	
116 1,2,4-Trichlorobenzene	180		13.018				ND	
117 Hexachlorobutadiene	225		13.207				ND	
118 Naphthalene	128		13.279				ND	
119 1,2,3-Trichlorobenzene	180		13.539				ND	
S 128 Xylenes, Total	106		16.520				ND	
T 131 Chlorodifluoromethane TIC	51		1.640				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

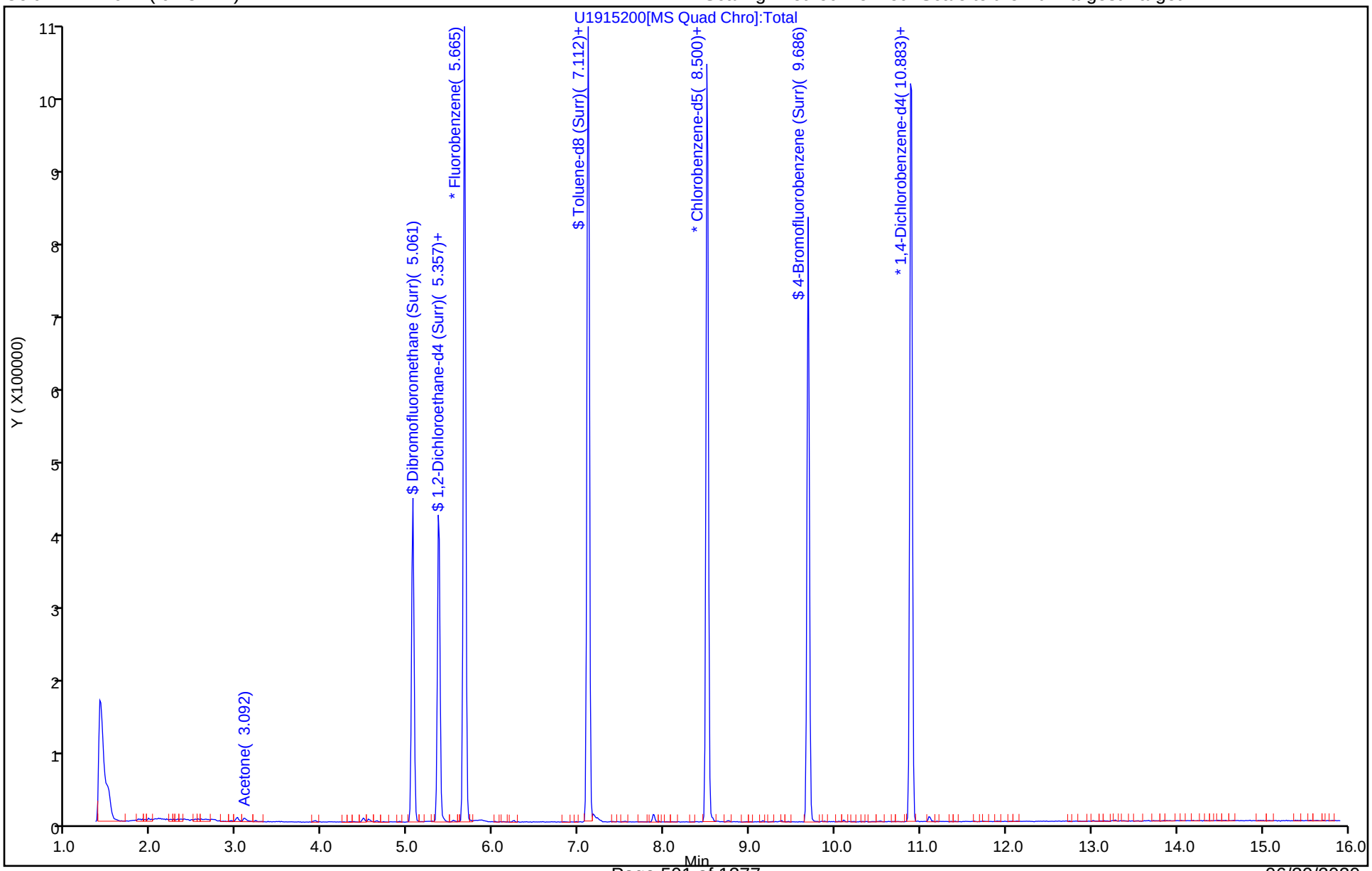
Report Date: 26-Jun-2020 13:35:50 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915200.d

Injection Date:	26-Jun-2020 02:40:29	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-131928-B-10	Lab Sample ID:	240-131928-10	Worklist Smp#:	31
Client ID:	MSA-SW40B-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915200.d
Lims ID: 240-131928-B-10
Client ID: MSA-SW40B-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 02:40:29 ALS Bottle#: 0 Worklist Smp#: 31
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-031
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:35:50 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:35:50

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.3	101.47
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.6	97.89
$ 6 Toluene-d8 (Surr)	20.0	20.9	104.27
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.5	97.70

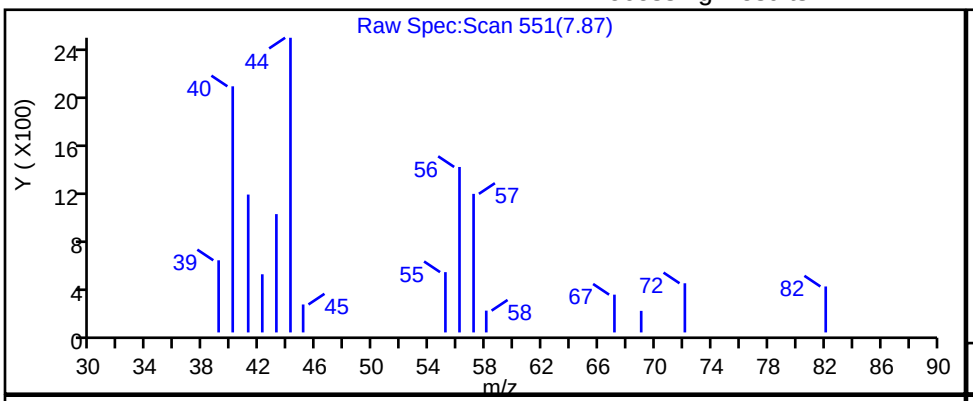
User Disabled Compound Report

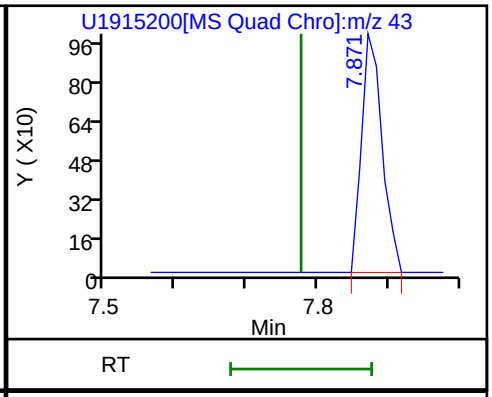
Eurofins TestAmerica, Canton

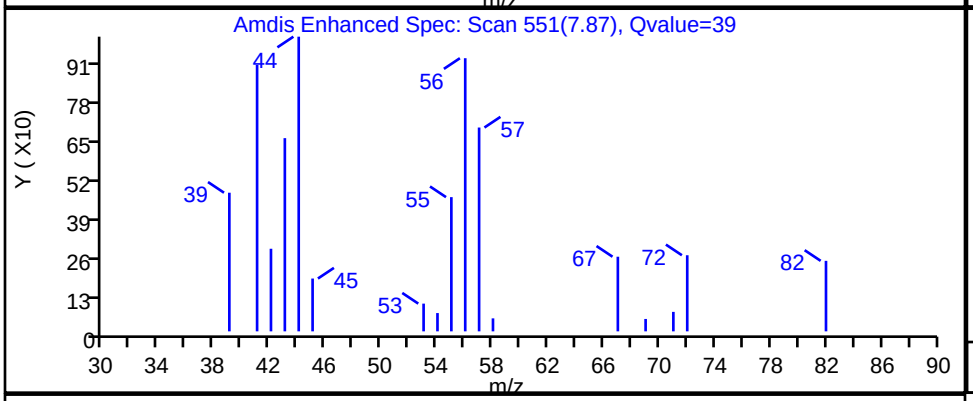
Data File:	\\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915200.d				
Injection Date:	26-Jun-2020 02:40:29	Instrument ID:	A3UX19		
Lims ID:	240-131928-B-10	Lab Sample ID:	240-131928-10		
Client ID:	MSA-SW40B-061520				
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	31
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

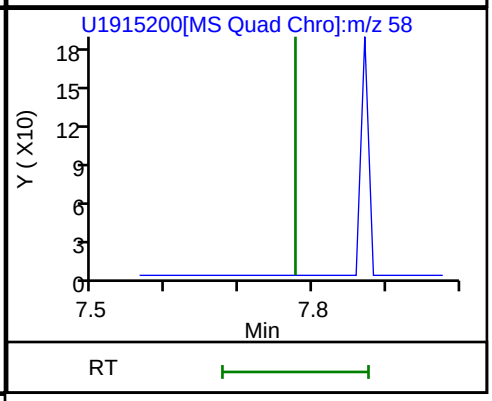
77 2-Hexanone, CAS: 591-78-6

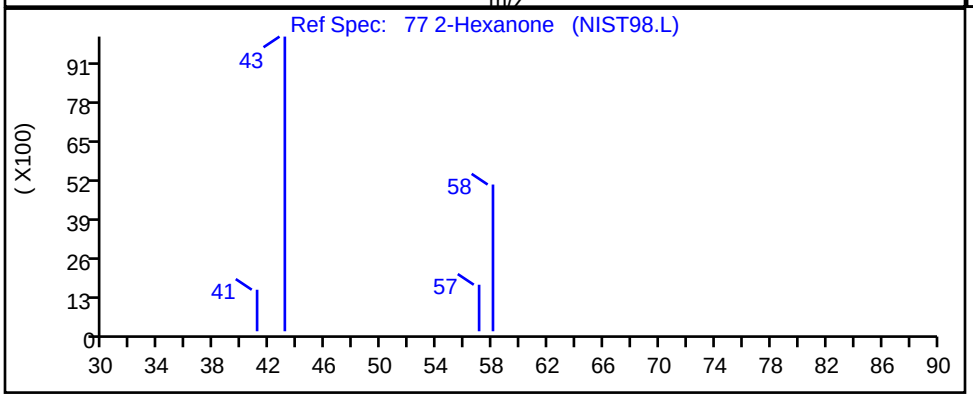
Processing Results











RT	Mass	Response	Amount
7.87	43.00	2025	0.175673
7.78	58.00	0	

Reviewer: laveyt, 26-Jun-2020 13:35:44

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40C-061520 Lab Sample ID: 240-131928-11

Matrix: Water Lab File ID: U1915201.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:57

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:02

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40C-061520 Lab Sample ID: 240-131928-11

Matrix: Water Lab File ID: U1915201.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:57

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:02

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40C-061520 Lab Sample ID: 240-131928-11

Matrix: Water Lab File ID: U1915201.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:57

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:02

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
460-00-4	4-Bromofluorobenzene (Surr)	91		47-134
2037-26-5	Toluene-d8 (Surr)	103		69-122
1868-53-7	Dibromofluoromethane (Surr)	99		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40C-061520 Lab Sample ID: 240-131928-11

Matrix: Water Lab File ID: U1915201.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:57

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:02

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.: 440080 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40C-061520 Lab Sample ID: 240-131928-11

Matrix: Water Lab File ID: U1915201.d

Analysis Method: 8260C Date Collected: 06/15/2020 11:57

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:02

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915201.d
Lims ID: 240-131928-B-11
Client ID: MSA-SW40C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 03:02:55 ALS Bottle#: 0 Worklist Smp#: 32
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-032
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:36:09 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:36:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.666	5.665	0.001	99	1050313	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	85	751057	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.895	10.895	0.000	94	386474	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.061	5.061	0.000	94	280373	19.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	95	303936	18.7	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	92	927233	20.6	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.685	0.001	92	309870	18.3	
9 Dichlorodifluoromethane	85		1.622				ND	
10 Chloromethane	50		1.835				ND	
12 Vinyl chloride	62		1.942				ND	
13 Bromomethane	94		2.238				ND	
15 Chloroethane	64		2.321				ND	
17 Trichlorofluoromethane	101		2.582				ND	
20 1,1-Dichloroethene	61		3.045				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.068				ND	
22 Acetone	43	3.080	3.080	0.000	97	5908	1.43	
25 Carbon disulfide	76		3.270				ND	
29 Methylene Chloride	49		3.495				ND	
30 2-Methyl-2-propanol	59		3.590				ND	
32 trans-1,2-Dichloroethene	61		3.744				ND	
33 Methyl tert-butyl ether	73		3.744				ND	
35 1,1-Dichloroethane	63		4.124				ND	
36 Vinyl acetate	43		4.159				ND	
37 Isopropyl ether	87		4.183				ND	
39 Tert-butyl ethyl ether	59		4.503				ND	
41 cis-1,2-Dichloroethene	96		4.634				ND	
42 2,2-Dichloropropane	77		4.645				ND	
40 2-Butanone (MEK)	72		4.645				ND	
46 Chlorobromomethane	49		4.847				ND	
48 Chloroform	83		4.918				ND	
49 1,1,1-Trichloroethane	97		5.096				ND	
51 1,1-Dichloropropene	75		5.238				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.250				ND	
54 Benzene	78		5.416				ND	
55 1,2-Dichloroethane	62		5.428				ND	
56 Tert-amyl methyl ether	73		5.511				ND	
59 Trichloroethene	130		5.997				ND	
62 1,2-Dichloropropane	63		6.199				ND	
64 Dibromomethane	174		6.306				ND	
66 Dichlorobromomethane	83		6.436				ND	
68 2-Chloroethyl vinyl ether	63		6.709				ND	
69 cis-1,3-Dichloropropene	75		6.851				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.982				ND	
71 Toluene	91		7.171				ND	
72 trans-1,3-Dichloropropene	75		7.361				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.705				ND	
77 2-Hexanone	43		7.776				ND	U
79 Chlorodibromomethane	129		7.930				ND	
81 Ethylene Dibromide	107		8.049				ND	
83 Chlorobenzene	112		8.535				ND	
84 1,1,1,2-Tetrachloroethane	131		8.606				ND	
85 Ethylbenzene	106		8.642				ND	
86 m-Xylene & p-Xylene	106		8.749				ND	
87 o-Xylene	106		9.152				ND	
88 Styrene	104		9.164				ND	
89 Bromoform	173		9.353				ND	
90 Isopropylbenzene	105		9.531				ND	
93 1,1,2,2-Tetrachloroethane	83		9.816				ND	
95 Bromobenzene	156		9.851				ND	
96 1,2,3-Trichloropropane	110		9.875				ND	
98 N-Propylbenzene	120		9.946				ND	
100 2-Chlorotoluene	126		10.041				ND	
102 4-Chlorotoluene	126		10.160				ND	
103 tert-Butylbenzene	119		10.480				ND	
105 1,2,4-Trimethylbenzene	105		10.527				ND	
106 sec-Butylbenzene	105		10.705				ND	
107 1,3-Dichlorobenzene	146		10.824				ND	
108 4-Isopropyltoluene	119		10.859				ND	
109 1,4-Dichlorobenzene	146		10.919				ND	
110 1,2,3-Trimethylbenzene	105		10.966				ND	
112 n-Butylbenzene	91		11.286				ND	
113 1,2-Dichlorobenzene	146		11.310				ND	
114 1,2-Dibromo-3-Chloropropane	157		12.128				ND	
116 1,2,4-Trichlorobenzene	180		13.018				ND	
117 Hexachlorobutadiene	225		13.207				ND	
118 Naphthalene	128		13.279				ND	
119 1,2,3-Trichlorobenzene	180		13.539				ND	
S 128 Xylenes, Total	106		16.520				ND	
T 131 Chlorodifluoromethane TIC	51		1.640				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

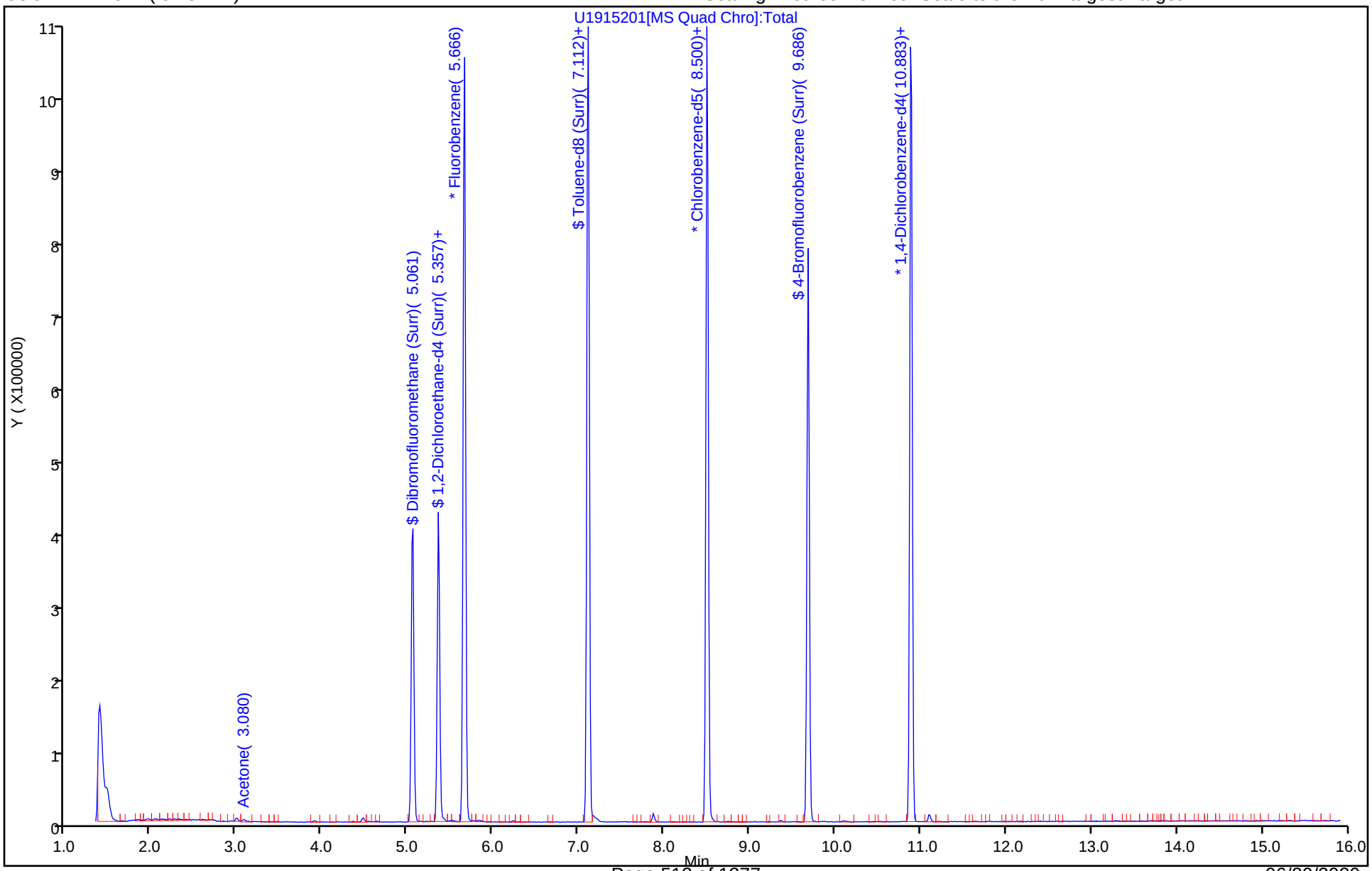
Report Date: 26-Jun-2020 13:36:09 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915201.d

Injection Date:	26-Jun-2020 03:02:55	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-131928-B-11	Lab Sample ID:	240-131928-11	Worklist Smp#:	32
Client ID:	MSA-SW40C-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915201.d
Lims ID: 240-131928-B-11
Client ID: MSA-SW40C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 03:02:55 ALS Bottle#: 0 Worklist Smp#: 32
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-032
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:36:09 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:36:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.8	99.16
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.7	93.59
$ 6 Toluene-d8 (Surr)	20.0	20.6	102.94
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.3	91.42

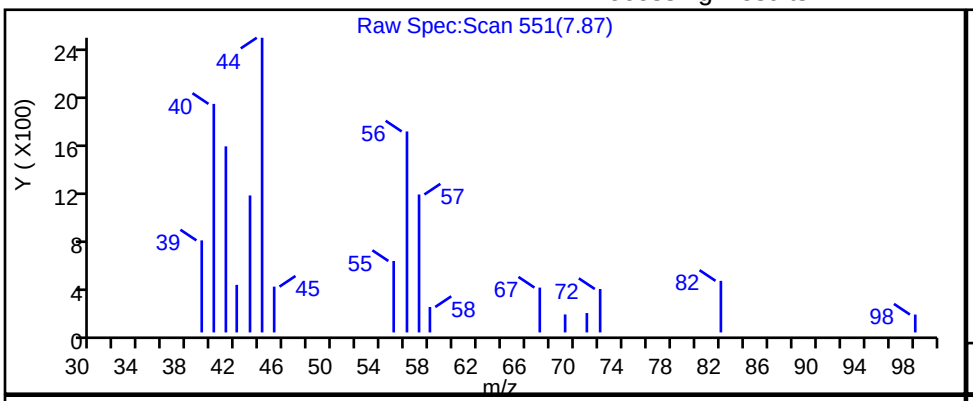
User Disabled Compound Report

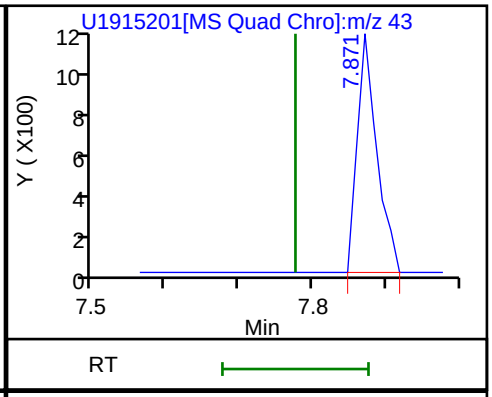
Eurofins TestAmerica, Canton

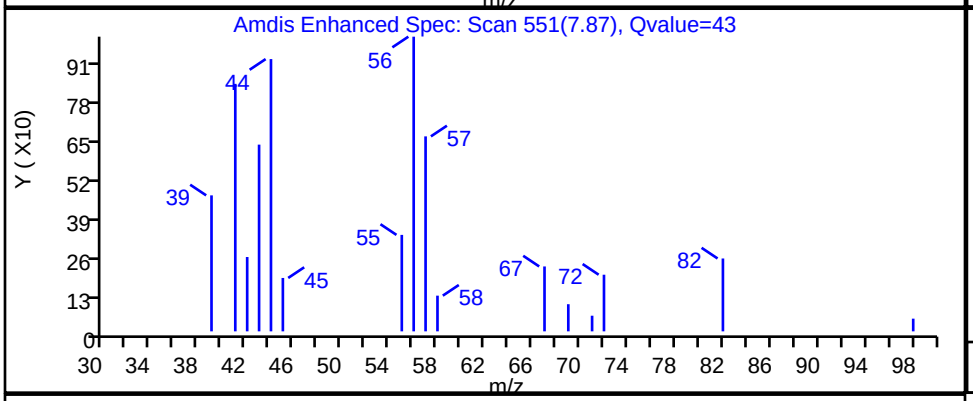
Data File:	\\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915201.d				
Injection Date:	26-Jun-2020 03:02:55	Instrument ID:	A3UX19		
Lims ID:	240-131928-B-11	Lab Sample ID:	240-131928-11		
Client ID:	MSA-SW40C-061520				
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	32
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

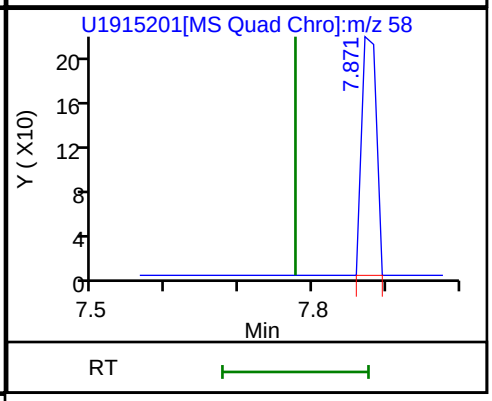
77 2-Hexanone, CAS: 591-78-6

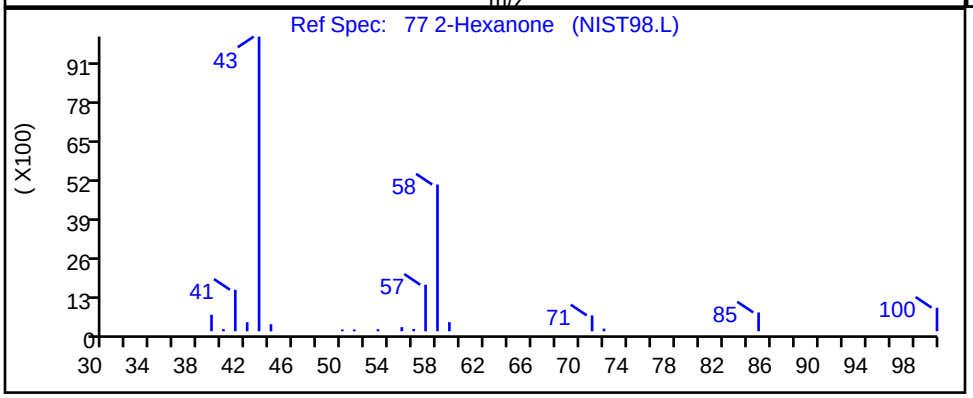
Processing Results











RT	Mass	Response	Amount
7.87	43.00	2155	0.182240
7.87	58.00	301	

Reviewer: laveyt, 26-Jun-2020 13:36:00

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40D-061520 Lab Sample ID: 240-131928-12

Matrix: Water Lab File ID: U1278726.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:34

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40D-061520 Lab Sample ID: 240-131928-12

Matrix: Water Lab File ID: U1278726.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:34

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40D-061520 Lab Sample ID: 240-131928-12

Matrix: Water Lab File ID: U1278726.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:34

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		75-130
460-00-4	4-Bromofluorobenzene (Surr)	86		47-134
2037-26-5	Toluene-d8 (Surr)	92		69-122
1868-53-7	Dibromofluoromethane (Surr)	90		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40D-061520 Lab Sample ID: 240-131928-12

Matrix: Water Lab File ID: U1278726.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:34

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.: 440074 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW40D-061520 Lab Sample ID: 240-131928-12

Matrix: Water Lab File ID: U1278726.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:34

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278726.D
Lims ID: 240-131928-B-12
Client ID: MSA-SW40D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 01:34:30 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-028
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:40:32 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:40:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1047681	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	86	672645	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.971	9.970	0.001	95	367725	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.539	0.000	94	251873	18.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.823	-0.012	95	322772	20.6	
$ 6 Toluene-d8 (Surr)	98	6.444	6.456	-0.012	93	875025	18.4	
$ 7 4-Bromofluorobenzene (Surr)	95	8.846	8.846	0.000	93	300950	17.1	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.616				ND	
12 Vinyl chloride	62		1.699				ND	
14 Bromomethane	94		1.948				ND	
15 Chloroethane	64		2.007				ND	
17 Trichlorofluoromethane	101		2.255				ND	
21 1,1-Dichloroethene	61		2.634				ND	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.670				ND	
23 Acetone	43		2.693				ND	
25 Carbon disulfide	76		2.859				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.178				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
33 Methyl tert-butyl ether	73		3.297				ND	
35 1,1-Dichloroethane	63		3.652				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
40 2,2-Dichloropropane	77		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.338				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.693				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		4.693				ND	
54 Benzene	78		4.870				ND	
55 1,2-Dichloroethane	62		4.882				ND	
56 Tert-amyl methyl ether	73		4.953				ND	
59 Trichloroethene	130		5.403				ND	
62 1,2-Dichloropropane	63		5.604				ND	
64 Dibromomethane	174		5.699				ND	
66 Dichlorobromomethane	83		5.829				ND	
68 2-Chloroethyl vinyl ether	63		6.089				ND	
69 cis-1,3-Dichloropropene	75		6.219				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.350				ND	
71 Toluene	91		6.503				ND	
72 trans-1,3-Dichloropropene	75		6.705				ND	
76 Tetrachloroethene	166		7.000				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	U
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.781				ND	
84 1,1,1,2-Tetrachloroethane	131		7.852				ND	
85 Ethylbenzene	106		7.876				ND	
86 m-Xylene & p-Xylene	106		7.983				ND	
87 o-Xylene	106		8.361				ND	
88 Styrene	104		8.373				ND	
89 Bromoform	173		8.551				ND	
90 Isopropylbenzene	105		8.704				ND	
92 Bromobenzene	156		9.000				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
94 1,2,3-Trichloropropane	110		9.036				ND	
96 N-Propylbenzene	120		9.095				ND	
97 2-Chlorotoluene	126		9.190				ND	
99 4-Chlorotoluene	126		9.284				ND	
102 tert-Butylbenzene	119		9.580				ND	
104 1,2,4-Trimethylbenzene	105		9.627				ND	
105 sec-Butylbenzene	105		9.793				ND	
106 1,3-Dichlorobenzene	146		9.911				ND	
107 4-Isopropyltoluene	119		9.935				ND	
108 1,4-Dichlorobenzene	146		9.994				ND	
109 1,2,3-Trimethylbenzene	105		10.041				ND	
111 n-Butylbenzene	91		10.337				ND	
112 1,2-Dichlorobenzene	146		10.361				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.130				ND	
115 1,2,4-Trichlorobenzene	180		11.947				ND	
116 Hexachlorobutadiene	225		12.124				ND	
117 Naphthalene	128		12.195				ND	
118 1,2,3-Trichlorobenzene	180		12.432				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent

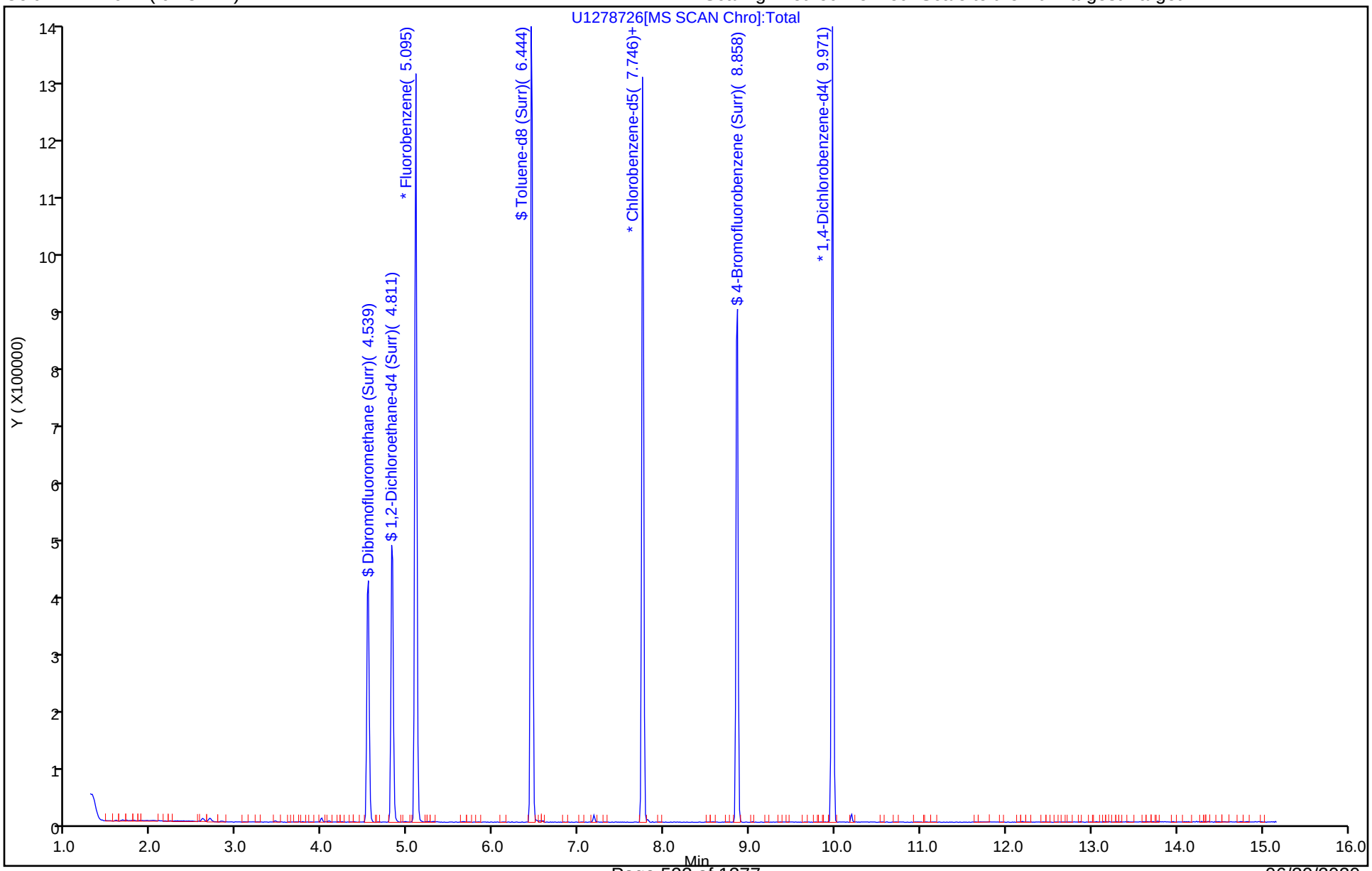
Report Date: 26-Jun-2020 13:40:33 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278726.D

Injection Date:	26-Jun-2020 01:34:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-131928-B-12	Lab Sample ID:	240-131928-12	Worklist Smp#:	28
Client ID:	MSA-SW40D-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278726.D
Lims ID: 240-131928-B-12
Client ID: MSA-SW40D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 01:34:30 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-028
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:40:32 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:40:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.1	90.38
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	20.6	103.11
$ 6 Toluene-d8 (Surr)	20.0	18.4	91.82
$ 7 4-Bromofluorobenzene (Surr)	20.0	17.1	85.73

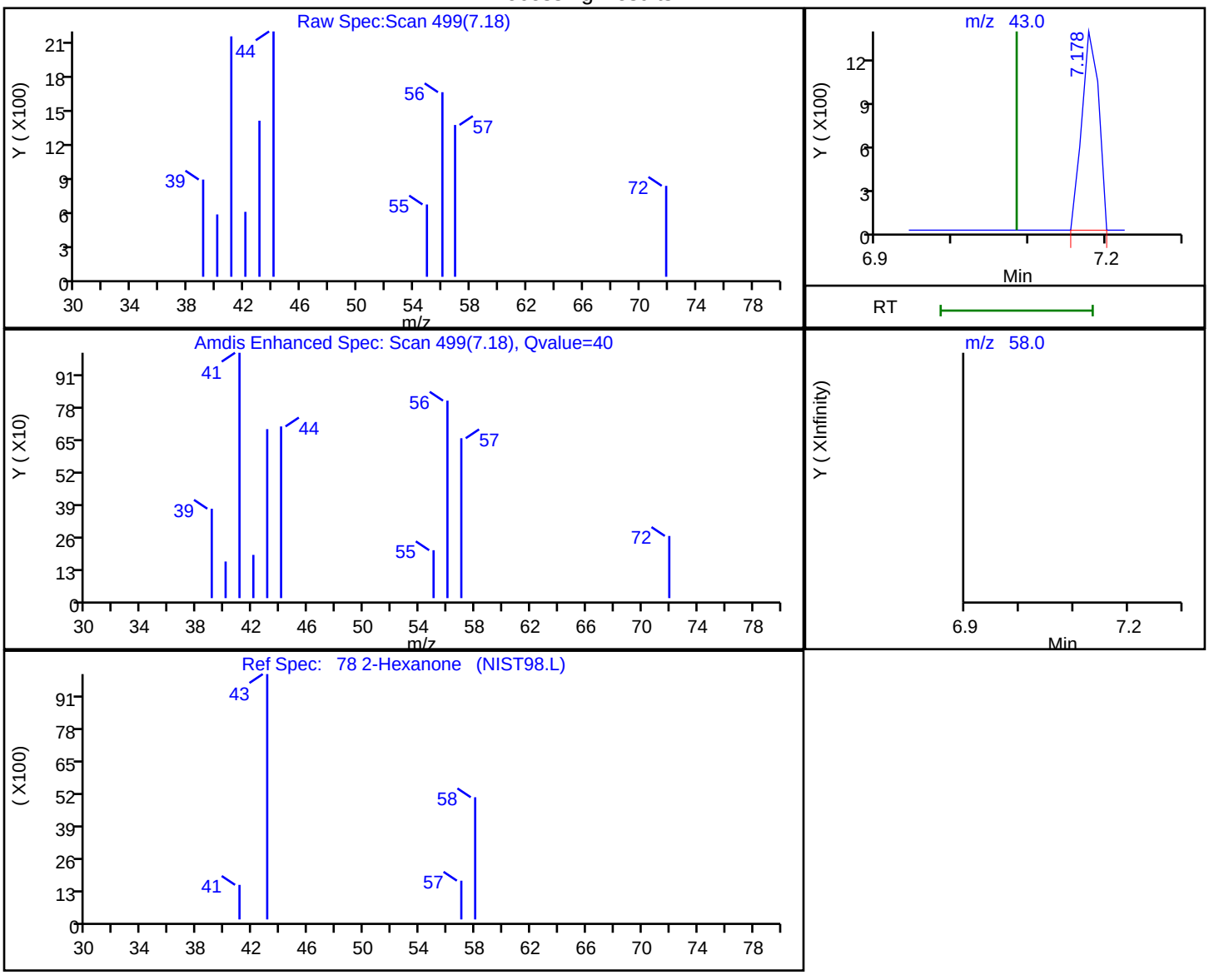
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278726.D				
Injection Date:	26-Jun-2020 01:34:30	Instrument ID:	A3UX12		
Lims ID:	240-131928-B-12	Lab Sample ID:	240-131928-12		
Client ID:	MSA-SW40D-061520				
Operator ID:	001904	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

78 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
7.18	43.00	2141	0.159160
7.08	58.00	0	

Reviewer: laveyt, 26-Jun-2020 13:40:27

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41A-061520 Lab Sample ID: 240-131928-13

Matrix: Water Lab File ID: U1278727.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:20

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:56

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroeth ane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41A-061520 Lab Sample ID: 240-131928-13

Matrix: Water Lab File ID: U1278727.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:20

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:56

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41A-061520 Lab Sample ID: 240-131928-13

Matrix: Water Lab File ID: U1278727.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:20

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:56

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		75-130
460-00-4	4-Bromofluorobenzene (Surr)	96		47-134
2037-26-5	Toluene-d8 (Surr)	99		69-122
1868-53-7	Dibromofluoromethane (Surr)	99		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41A-061520 Lab Sample ID: 240-131928-13

Matrix: Water Lab File ID: U1278727.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:20

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:56

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.: 440074 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41A-061520 Lab Sample ID: 240-131928-13

Matrix: Water Lab File ID: U1278727.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:20

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:56

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278727.D
Lims ID: 240-131928-B-13
Client ID: MSA-SW41A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 01:56:30 ALS Bottle#: 28 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-029
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:40:50 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:40:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1054295	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	87	666868	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.971	9.970	0.001	95	360852	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.539	0.000	94	276874	19.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.823	0.000	95	347099	22.0	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	93	931687	19.7	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.846	0.012	95	335465	19.3	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.616				ND	
12 Vinyl chloride	62		1.699				ND	
14 Bromomethane	94		1.948				ND	
15 Chloroethane	64		2.007				ND	
17 Trichlorofluoromethane	101		2.255				ND	
21 1,1-Dichloroethene	61		2.634				ND	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.670				ND	
23 Acetone	43		2.693				ND	
25 Carbon disulfide	76		2.859				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.178				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
33 Methyl tert-butyl ether	73		3.297				ND	
35 1,1-Dichloroethane	63		3.652				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
40 2,2-Dichloropropane	77		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.338				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.693				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		4.693				ND	
54 Benzene	78		4.870				ND	
55 1,2-Dichloroethane	62		4.882				ND	
56 Tert-amyl methyl ether	73		4.953				ND	
59 Trichloroethene	130		5.403				ND	
62 1,2-Dichloropropane	63		5.604				ND	
64 Dibromomethane	174		5.699				ND	
66 Dichlorobromomethane	83		5.829				ND	
68 2-Chloroethyl vinyl ether	63		6.089				ND	
69 cis-1,3-Dichloropropene	75		6.219				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.350				ND	U
71 Toluene	91		6.503				ND	
72 trans-1,3-Dichloropropene	75		6.705				ND	
76 Tetrachloroethene	166		7.000				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	U
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.781				ND	
84 1,1,1,2-Tetrachloroethane	131		7.852				ND	
85 Ethylbenzene	106		7.876				ND	
86 m-Xylene & p-Xylene	106		7.983				ND	
87 o-Xylene	106		8.361				ND	
88 Styrene	104		8.373				ND	
89 Bromoform	173		8.551				ND	
90 Isopropylbenzene	105		8.704				ND	
92 Bromobenzene	156		9.000				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
94 1,2,3-Trichloropropane	110		9.036				ND	
96 N-Propylbenzene	120		9.095				ND	
97 2-Chlorotoluene	126		9.190				ND	
99 4-Chlorotoluene	126		9.284				ND	
102 tert-Butylbenzene	119		9.580				ND	
104 1,2,4-Trimethylbenzene	105		9.627				ND	
105 sec-Butylbenzene	105		9.793				ND	
106 1,3-Dichlorobenzene	146		9.911				ND	
107 4-Isopropyltoluene	119		9.935				ND	
108 1,4-Dichlorobenzene	146		9.994				ND	
109 1,2,3-Trimethylbenzene	105		10.041				ND	
111 n-Butylbenzene	91		10.337				ND	
112 1,2-Dichlorobenzene	146		10.361				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.130				ND	
115 1,2,4-Trichlorobenzene	180		11.947				ND	
116 Hexachlorobutadiene	225		12.124				ND	
117 Naphthalene	128		12.195				ND	
118 1,2,3-Trichlorobenzene	180		12.432				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent

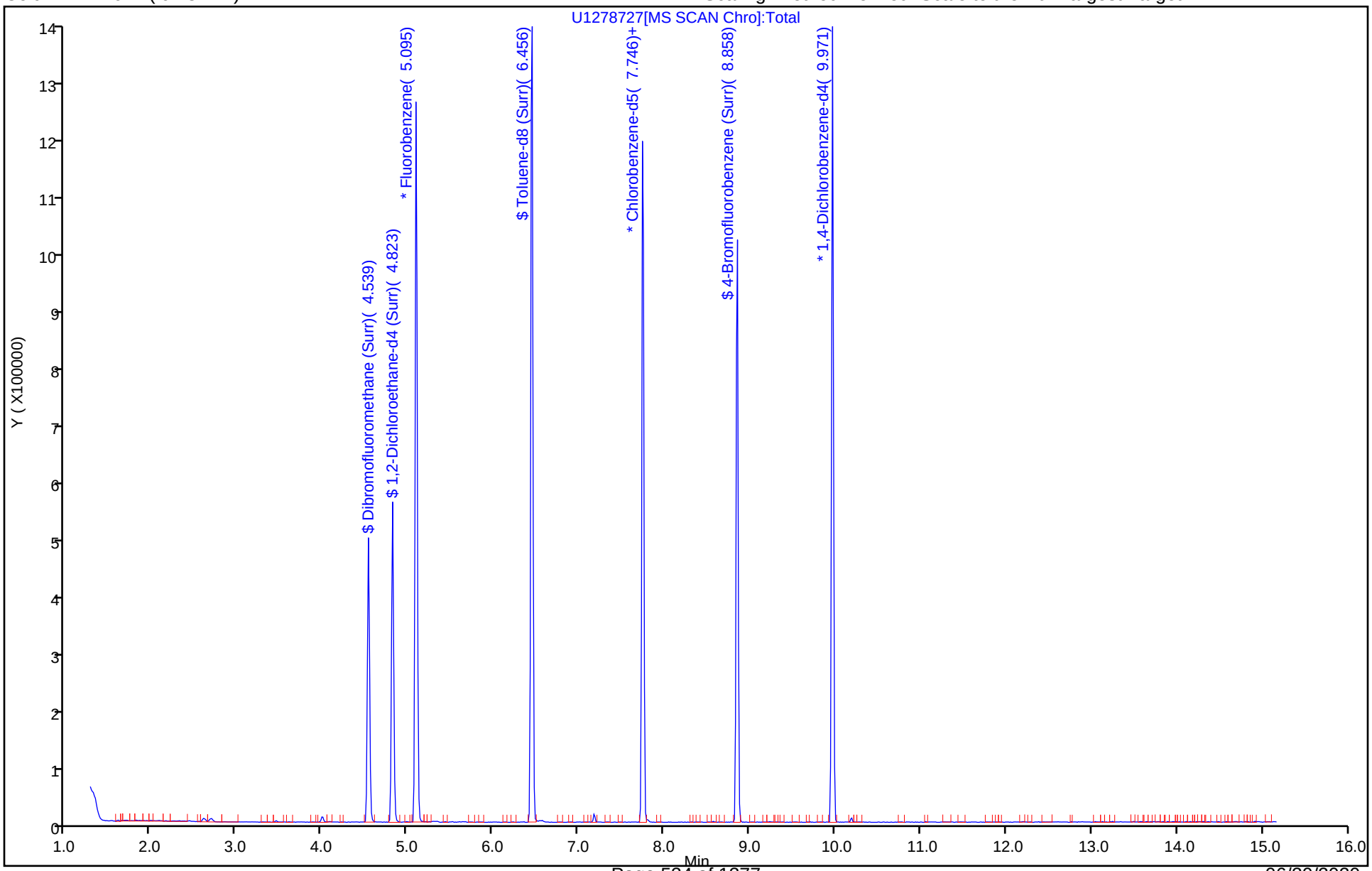
Report Date: 26-Jun-2020 13:40:50 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278727.D

Injection Date:	26-Jun-2020 01:56:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-131928-B-13	Lab Sample ID:	240-131928-13	Worklist Smp#:	29
Client ID:	MSA-SW41A-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278727.D
Lims ID: 240-131928-B-13
Client ID: MSA-SW41A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 01:56:30 ALS Bottle#: 28 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-029
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:40:50 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:40:50

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.7	98.73
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.0	110.19
$ 6 Toluene-d8 (Surr)	20.0	19.7	98.61
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.3	96.39

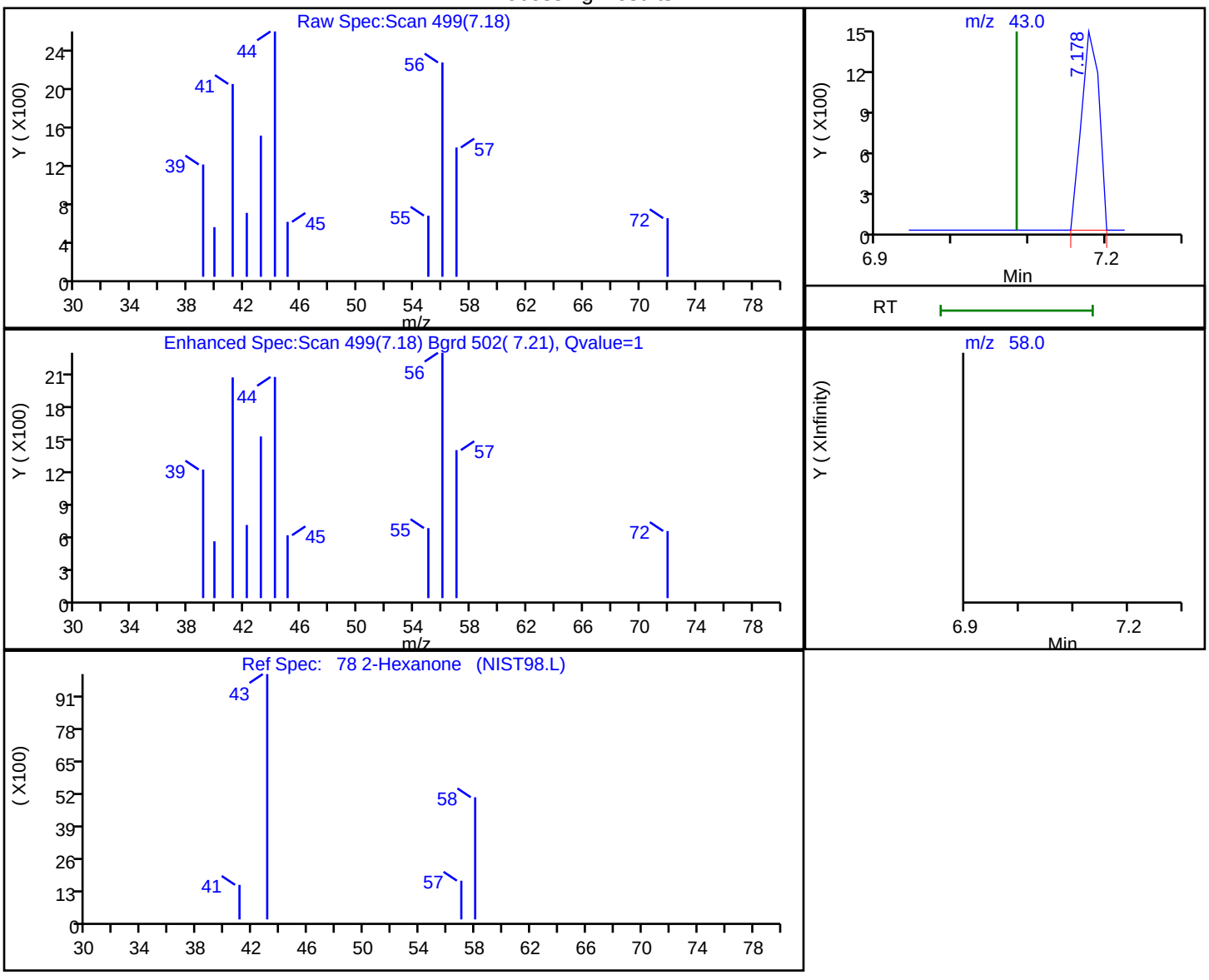
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278727.D				
Injection Date:	26-Jun-2020 01:56:30	Instrument ID:	A3UX12		
Lims ID:	240-131928-B-13	Lab Sample ID:	240-131928-13		
Client ID:	MSA-SW41A-061520				
Operator ID:	001904	ALS Bottle#:	28	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

78 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
7.18	43.00	2402	0.180110
7.08	58.00	0	

Reviewer: laveyt, 26-Jun-2020 13:40:44

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

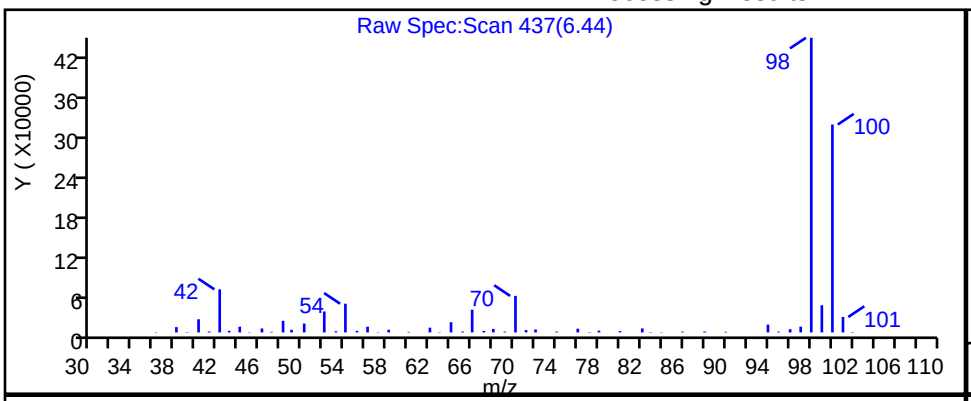
User Disabled Compound Report

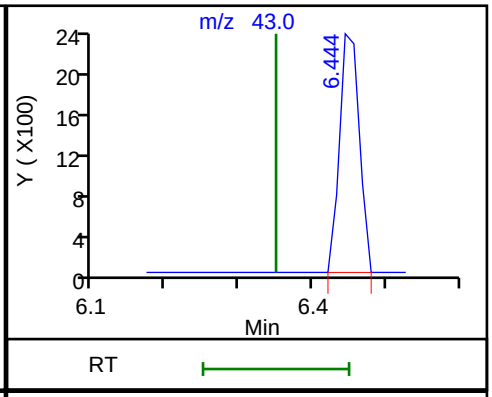
Eurofins TestAmerica, Canton

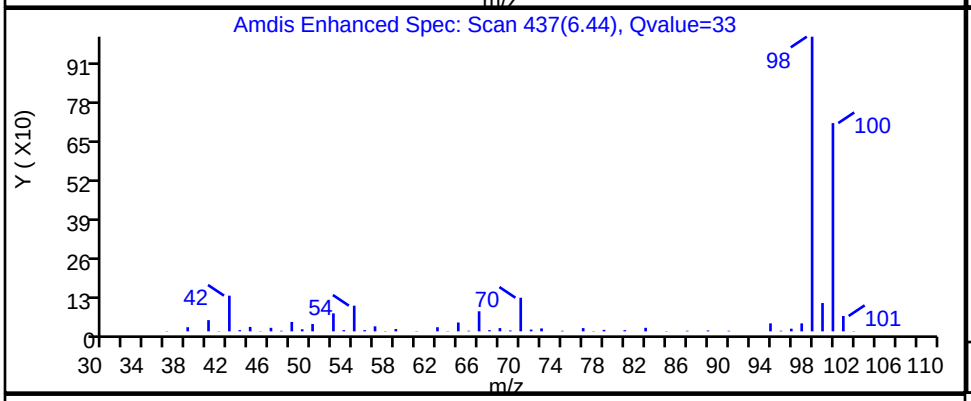
Data File:	\\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278727.D				
Injection Date:	26-Jun-2020 01:56:30	Instrument ID:	A3UX12		
Lims ID:	240-131928-B-13	Lab Sample ID:	240-131928-13		
Client ID:	MSA-SW41A-061520				
Operator ID:	001904	ALS Bottle#:	28	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

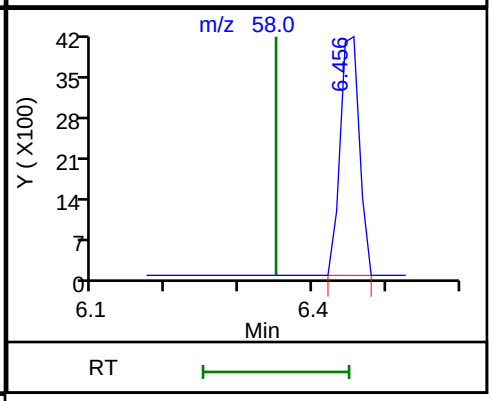
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

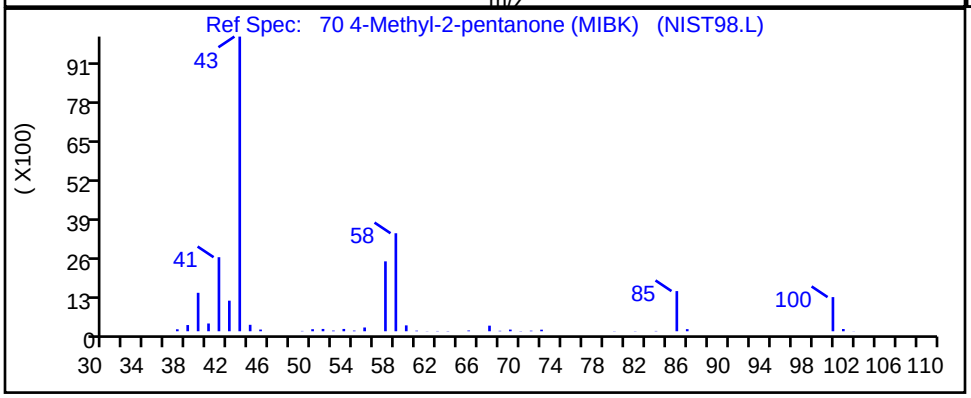
Processing Results











RT	Mass	Response	Amount
6.44	43.00	4479	0.221607
6.46	58.00	7502	

Reviewer: laveyt, 26-Jun-2020 13:40:41

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41B-061520 Lab Sample ID: 240-131928-14

Matrix: Water Lab File ID: U1278728.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:23

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:19

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41B-061520 Lab Sample ID: 240-131928-14

Matrix: Water Lab File ID: U1278728.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:23

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:19

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41B-061520 Lab Sample ID: 240-131928-14

Matrix: Water Lab File ID: U1278728.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:23

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:19

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		75-130
460-00-4	4-Bromofluorobenzene (Surr)	88		47-134
2037-26-5	Toluene-d8 (Surr)	93		69-122
1868-53-7	Dibromofluoromethane (Surr)	92		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41B-061520 Lab Sample ID: 240-131928-14

Matrix: Water Lab File ID: U1278728.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:23

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:19

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.: 440074 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41B-061520 Lab Sample ID: 240-131928-14

Matrix: Water Lab File ID: U1278728.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:23

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:19

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278728.D
Lims ID: 240-131928-B-14
Client ID: MSA-SW41B-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 02:19:30 ALS Bottle#: 29 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-030
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:41:04 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:41:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1063974	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	86	707041	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.971	9.970	0.001	95	383363	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.539	0.000	94	260922	18.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.823	0.000	95	336940	21.2	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	93	932436	18.6	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.846	0.012	95	322928	17.5	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.616				ND	
12 Vinyl chloride	62		1.699				ND	
14 Bromomethane	94		1.948				ND	
15 Chloroethane	64		2.007				ND	
17 Trichlorofluoromethane	101		2.255				ND	
21 1,1-Dichloroethene	61		2.634				ND	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.670				ND	
23 Acetone	43		2.693				ND	
25 Carbon disulfide	76		2.859				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.178				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
33 Methyl tert-butyl ether	73		3.297				ND	
35 1,1-Dichloroethane	63		3.652				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
40 2,2-Dichloropropane	77		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.338				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.693				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		4.693				ND	
54 Benzene	78		4.870				ND	
55 1,2-Dichloroethane	62		4.882				ND	
56 Tert-amyl methyl ether	73		4.953				ND	
59 Trichloroethene	130		5.403				ND	
62 1,2-Dichloropropane	63		5.604				ND	
64 Dibromomethane	174		5.699				ND	
66 Dichlorobromomethane	83		5.829				ND	
68 2-Chloroethyl vinyl ether	63		6.089				ND	
69 cis-1,3-Dichloropropene	75		6.219				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.350				ND	
71 Toluene	91		6.503				ND	
72 trans-1,3-Dichloropropene	75		6.705				ND	
76 Tetrachloroethene	166		7.000				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	U
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.781				ND	
84 1,1,1,2-Tetrachloroethane	131		7.852				ND	
85 Ethylbenzene	106		7.876				ND	
86 m-Xylene & p-Xylene	106		7.983				ND	
87 o-Xylene	106		8.361				ND	
88 Styrene	104		8.373				ND	
89 Bromoform	173		8.551				ND	
90 Isopropylbenzene	105		8.704				ND	
92 Bromobenzene	156		9.000				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
94 1,2,3-Trichloropropane	110		9.036				ND	
96 N-Propylbenzene	120		9.095				ND	
97 2-Chlorotoluene	126		9.190				ND	
99 4-Chlorotoluene	126		9.284				ND	
102 tert-Butylbenzene	119		9.580				ND	
104 1,2,4-Trimethylbenzene	105		9.627				ND	
105 sec-Butylbenzene	105		9.793				ND	
106 1,3-Dichlorobenzene	146		9.911				ND	
107 4-Isopropyltoluene	119		9.935				ND	
108 1,4-Dichlorobenzene	146		9.994				ND	
109 1,2,3-Trimethylbenzene	105		10.041				ND	
111 n-Butylbenzene	91		10.337				ND	
112 1,2-Dichlorobenzene	146		10.361				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.130				ND	
115 1,2,4-Trichlorobenzene	180		11.947				ND	
116 Hexachlorobutadiene	225		12.124				ND	
117 Naphthalene	128		12.195				ND	
118 1,2,3-Trichlorobenzene	180		12.432				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent

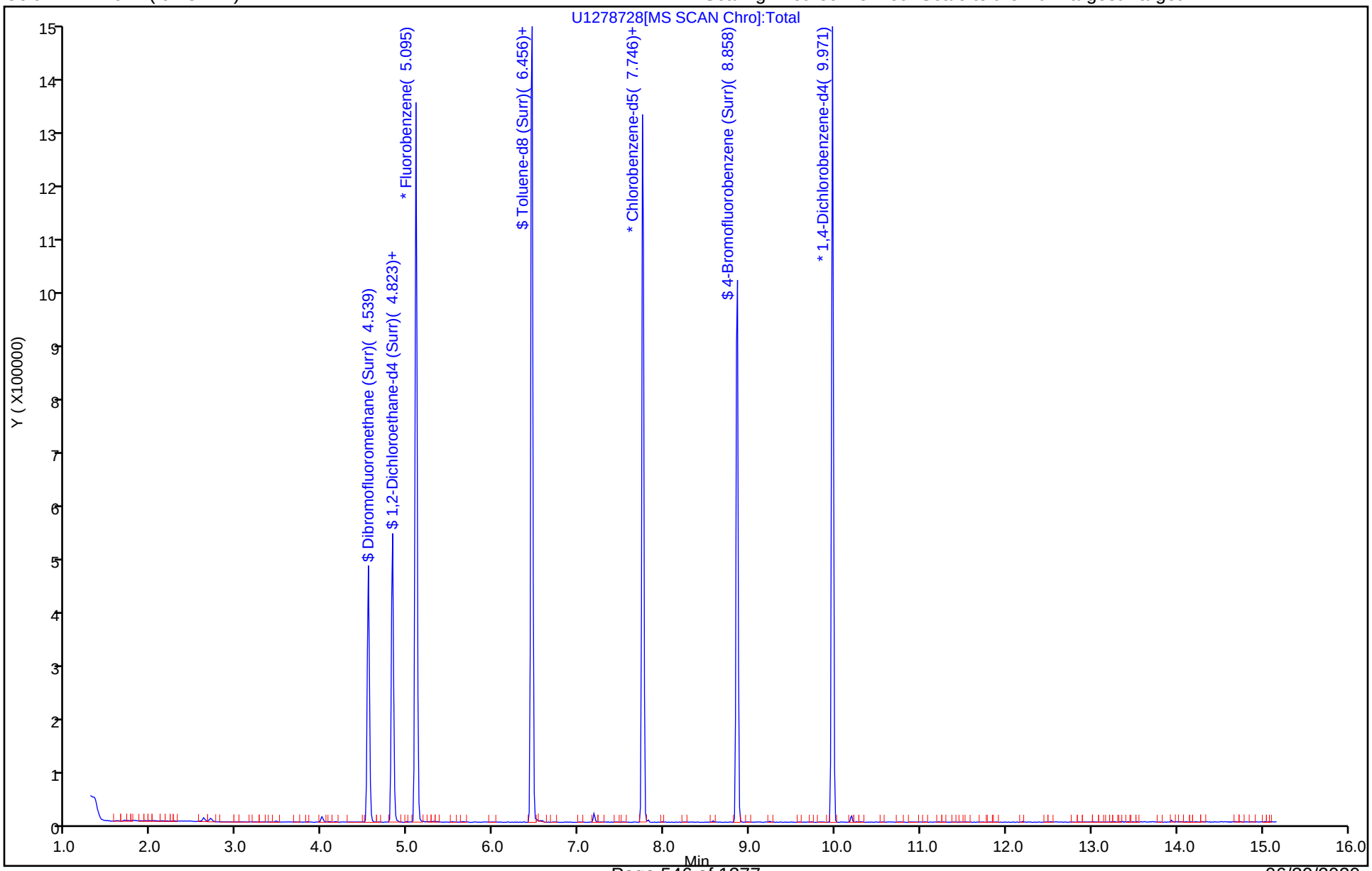
Report Date: 26-Jun-2020 13:41:05 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278728.D

Injection Date:	26-Jun-2020 02:19:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-131928-B-14	Lab Sample ID:	240-131928-14	Worklist Smp#:	30
Client ID:	MSA-SW41B-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278728.D
Lims ID: 240-131928-B-14
Client ID: MSA-SW41B-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 02:19:30 ALS Bottle#: 29 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-030
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:41:04 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:41:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.4	92.20
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.2	105.99
$ 6 Toluene-d8 (Surr)	20.0	18.6	93.08
$ 7 4-Bromofluorobenzene (Surr)	20.0	17.5	87.51

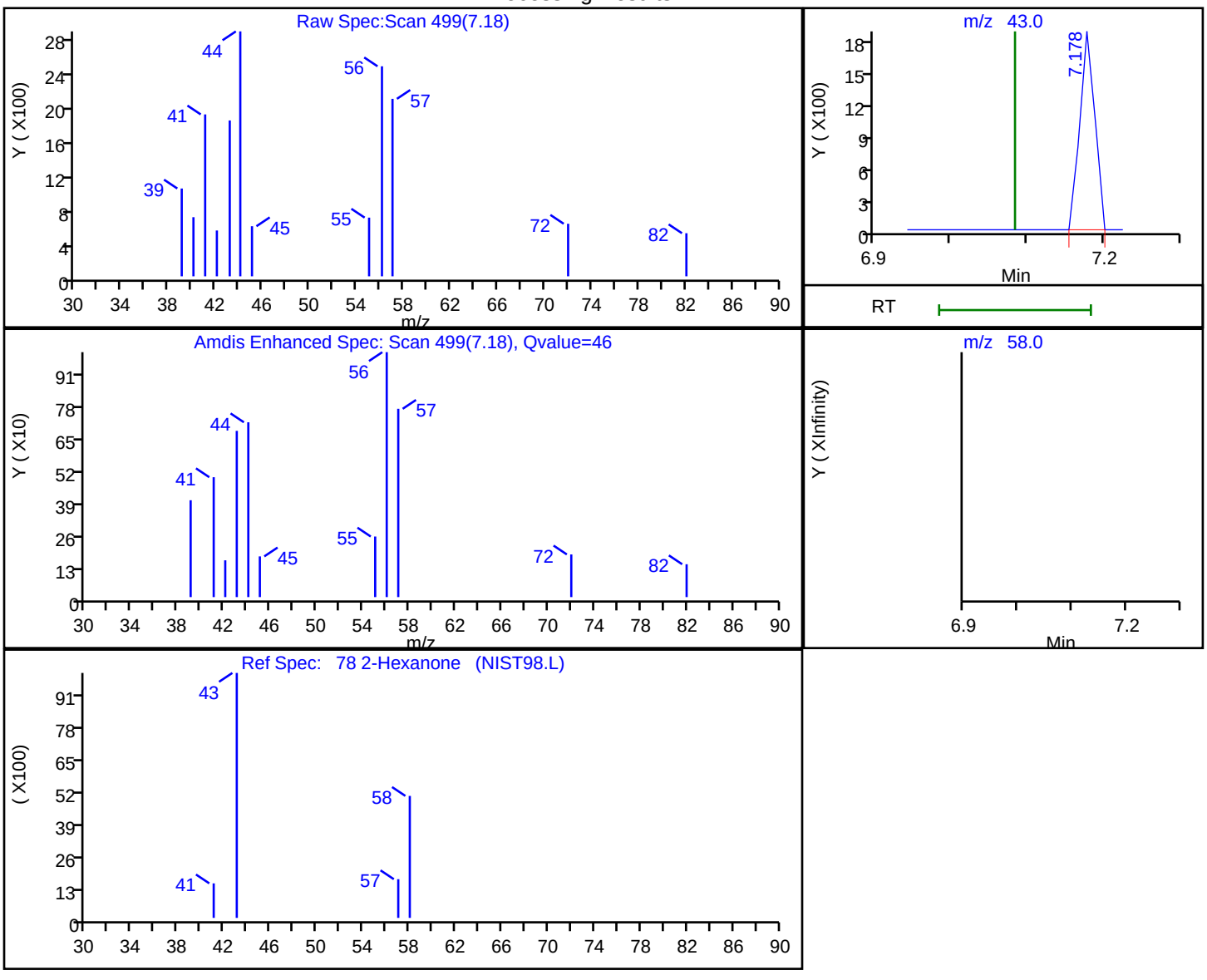
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278728.D				
Injection Date:	26-Jun-2020 02:19:30	Instrument ID:	A3UX12		
Lims ID:	240-131928-B-14	Lab Sample ID:	240-131928-14		
Client ID:	MSA-SW41B-061520				
Operator ID:	001904	ALS Bottle#:	29	Worklist Smp#:	30
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

78 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
7.18	43.00	2517	0.178009
7.08	58.00	0	

Reviewer: laveyt, 26-Jun-2020 13:40:59

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41C-061520 Lab Sample ID: 240-131928-15

Matrix: Water Lab File ID: U1278729.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:41

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41C-061520 Lab Sample ID: 240-131928-15

Matrix: Water Lab File ID: U1278729.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:41

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41C-061520 Lab Sample ID: 240-131928-15

Matrix: Water Lab File ID: U1278729.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:41

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		75-130
460-00-4	4-Bromofluorobenzene (Surr)	90		47-134
2037-26-5	Toluene-d8 (Surr)	95		69-122
1868-53-7	Dibromofluoromethane (Surr)	95		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41C-061520 Lab Sample ID: 240-131928-15

Matrix: Water Lab File ID: U1278729.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:41

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.: 440074 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41C-061520 Lab Sample ID: 240-131928-15

Matrix: Water Lab File ID: U1278729.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:26

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:41

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278729.D
Lims ID: 240-131928-B-15
Client ID: MSA-SW41C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 02:41:30 ALS Bottle#: 30 Worklist Smp#: 31
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-031
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:41:22 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:41:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1080730	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	87	701566	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.970	9.970	0.000	95	383480	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.539	0.000	94	272148	18.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.823	0.000	95	353978	21.9	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	93	940431	18.9	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.846	0.012	95	330279	18.0	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.616				ND	
12 Vinyl chloride	62		1.699				ND	
14 Bromomethane	94		1.948				ND	
15 Chloroethane	64		2.007				ND	
17 Trichlorofluoromethane	101		2.255				ND	
21 1,1-Dichloroethene	61		2.634				ND	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.670				ND	
23 Acetone	43		2.693				ND	
25 Carbon disulfide	76		2.859				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.178				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
33 Methyl tert-butyl ether	73		3.297				ND	
35 1,1-Dichloroethane	63		3.652				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
40 2,2-Dichloropropane	77		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.338				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.693				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		4.693				ND	
54 Benzene	78		4.870				ND	
55 1,2-Dichloroethane	62		4.882				ND	
56 Tert-amyl methyl ether	73		4.953				ND	
59 Trichloroethene	130		5.403				ND	
62 1,2-Dichloropropane	63		5.604				ND	
64 Dibromomethane	174		5.699				ND	
66 Dichlorobromomethane	83		5.829				ND	
68 2-Chloroethyl vinyl ether	63		6.089				ND	
69 cis-1,3-Dichloropropene	75		6.219				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.350				ND	U
71 Toluene	91		6.503				ND	
72 trans-1,3-Dichloropropene	75		6.705				ND	
76 Tetrachloroethene	166		7.000				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	U
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.781				ND	
84 1,1,1,2-Tetrachloroethane	131		7.852				ND	
85 Ethylbenzene	106		7.876				ND	
86 m-Xylene & p-Xylene	106		7.983				ND	
87 o-Xylene	106		8.361				ND	
88 Styrene	104		8.373				ND	
89 Bromoform	173		8.551				ND	
90 Isopropylbenzene	105		8.704				ND	
92 Bromobenzene	156		9.000				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
94 1,2,3-Trichloropropane	110		9.036				ND	
96 N-Propylbenzene	120		9.095				ND	
97 2-Chlorotoluene	126		9.190				ND	
99 4-Chlorotoluene	126		9.284				ND	
102 tert-Butylbenzene	119		9.580				ND	
104 1,2,4-Trimethylbenzene	105		9.627				ND	
105 sec-Butylbenzene	105		9.793				ND	
106 1,3-Dichlorobenzene	146		9.911				ND	
107 4-Isopropyltoluene	119		9.935				ND	
108 1,4-Dichlorobenzene	146		9.994				ND	
109 1,2,3-Trimethylbenzene	105		10.041				ND	
111 n-Butylbenzene	91		10.337				ND	
112 1,2-Dichlorobenzene	146		10.361				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.130				ND	
115 1,2,4-Trichlorobenzene	180		11.947				ND	
116 Hexachlorobutadiene	225		12.124				ND	
117 Naphthalene	128		12.195				ND	
118 1,2,3-Trichlorobenzene	180		12.432				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent

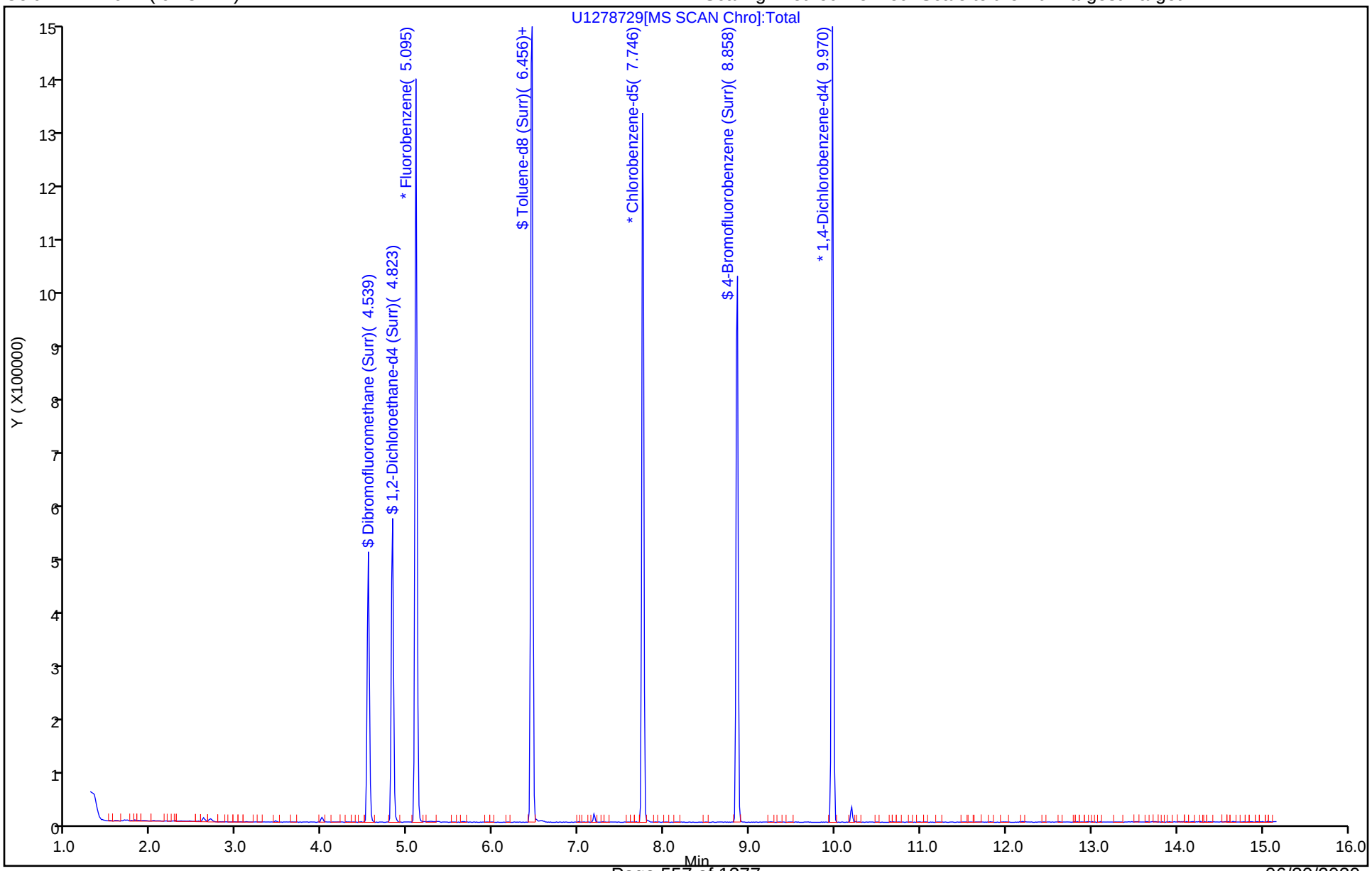
Report Date: 26-Jun-2020 13:41:23 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278729.D

Injection Date:	26-Jun-2020 02:41:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-131928-B-15	Lab Sample ID:	240-131928-15	Worklist Smp#:	31
Client ID:	MSA-SW41C-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278729.D
Lims ID: 240-131928-B-15
Client ID: MSA-SW41C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 02:41:30 ALS Bottle#: 30 Worklist Smp#: 31
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-031
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:41:22 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:41:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.9	94.67
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.9	109.63
$ 6 Toluene-d8 (Surr)	20.0	18.9	94.61
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.0	90.20

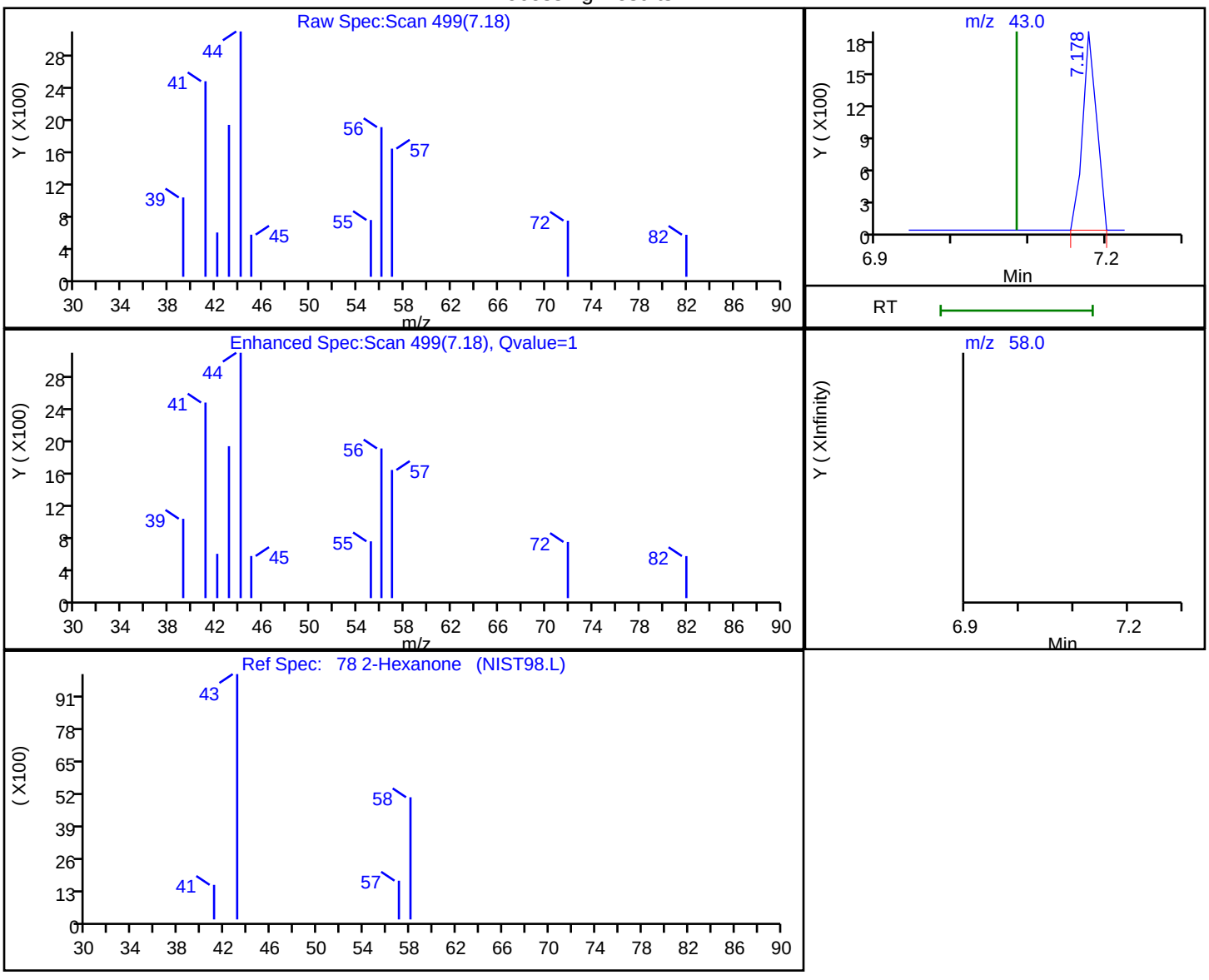
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278729.D				
Injection Date:	26-Jun-2020 02:41:30	Instrument ID:	A3UX12		
Lims ID:	240-131928-B-15	Lab Sample ID:	240-131928-15		
Client ID:	MSA-SW41C-061520				
Operator ID:	001904	ALS Bottle#:	30	Worklist Smp#:	31
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

78 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
7.18	43.00	2380	0.169634
7.08	58.00	0	

Reviewer: laveyt, 26-Jun-2020 13:41:16

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

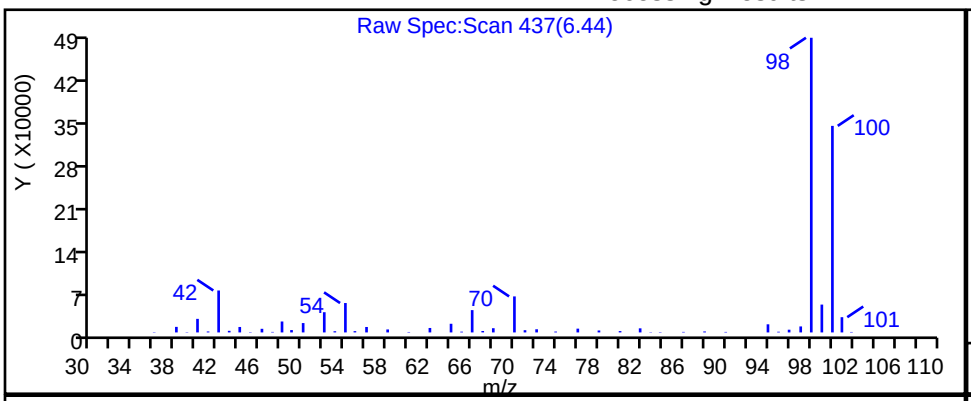
User Disabled Compound Report

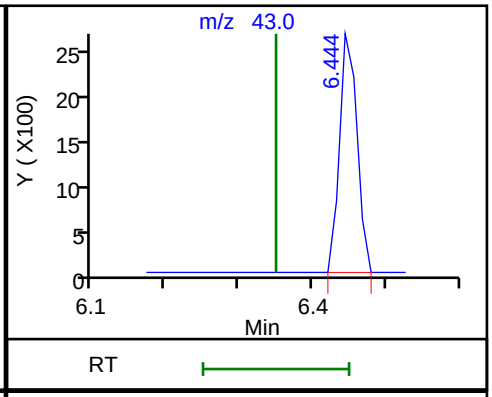
Eurofins TestAmerica, Canton

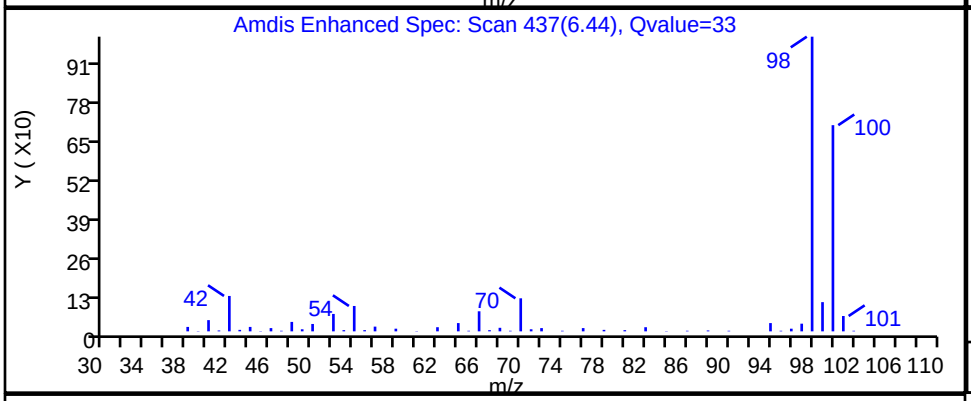
Data File:	\\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278729.D				
Injection Date:	26-Jun-2020 02:41:30	Instrument ID:	A3UX12		
Lims ID:	240-131928-B-15	Lab Sample ID:	240-131928-15		
Client ID:	MSA-SW41C-061520				
Operator ID:	001904	ALS Bottle#:	30	Worklist Smp#:	31
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

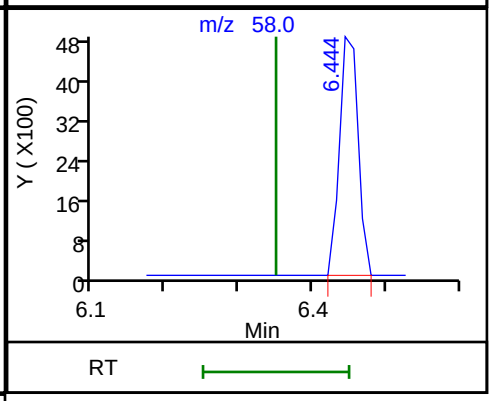
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

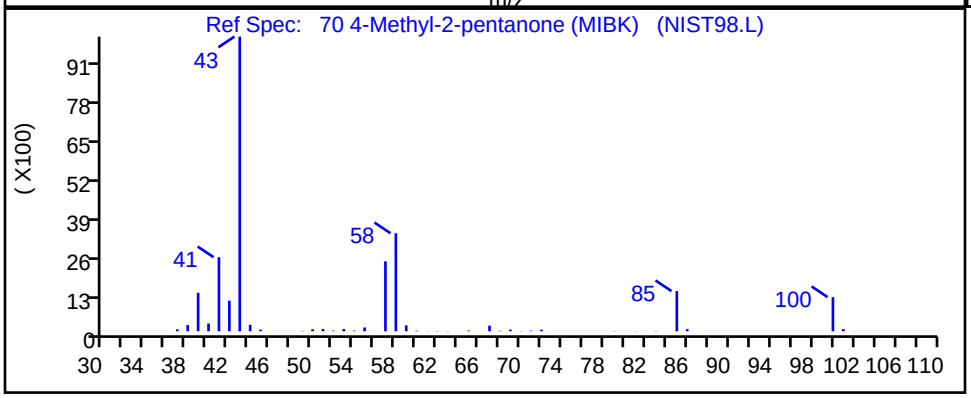
Processing Results











RT	Mass	Response	Amount
6.44	43.00	4407	0.212711
6.44	58.00	8651	

Reviewer: laveyt, 26-Jun-2020 13:41:14

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41D-061520 Lab Sample ID: 240-131928-16

Matrix: Water Lab File ID: U1278730.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:29

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:04

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41D-061520 Lab Sample ID: 240-131928-16

Matrix: Water Lab File ID: U1278730.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:29

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:04

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41D-061520 Lab Sample ID: 240-131928-16

Matrix: Water Lab File ID: U1278730.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:29

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:04

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		75-130
460-00-4	4-Bromofluorobenzene (Surr)	96		47-134
2037-26-5	Toluene-d8 (Surr)	98		69-122
1868-53-7	Dibromofluoromethane (Surr)	93		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41D-061520 Lab Sample ID: 240-131928-16

Matrix: Water Lab File ID: U1278730.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:29

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:04

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.: 440074 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW41D-061520 Lab Sample ID: 240-131928-16

Matrix: Water Lab File ID: U1278730.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:29

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:04

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278730.D
Lims ID: 240-131928-B-16
Client ID: MSA-SW41D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 03:04:30 ALS Bottle#: 31 Worklist Smp#: 32
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-032
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:41:39 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:41:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1082711	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	87	742718	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.970	9.970	0.000	95	398524	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.539	0.000	93	267797	18.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.823	0.000	95	354803	21.9	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	93	1030552	19.6	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.846	0.012	96	373292	19.3	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.616				ND	
12 Vinyl chloride	62		1.699				ND	
14 Bromomethane	94		1.948				ND	
15 Chloroethane	64		2.007				ND	
17 Trichlorofluoromethane	101		2.255				ND	
21 1,1-Dichloroethene	61		2.634				ND	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.670				ND	
23 Acetone	43		2.693				ND	
25 Carbon disulfide	76		2.859				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.178				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
33 Methyl tert-butyl ether	73		3.297				ND	
35 1,1-Dichloroethane	63		3.652				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
40 2,2-Dichloropropane	77		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.338				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.693				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		4.693				ND	
54 Benzene	78		4.870				ND	
55 1,2-Dichloroethane	62		4.882				ND	
56 Tert-amyl methyl ether	73		4.953				ND	
59 Trichloroethene	130		5.403				ND	
62 1,2-Dichloropropane	63		5.604				ND	
64 Dibromomethane	174		5.699				ND	
66 Dichlorobromomethane	83		5.829				ND	
68 2-Chloroethyl vinyl ether	63		6.089				ND	
69 cis-1,3-Dichloropropene	75		6.219				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.350				ND	U
71 Toluene	91		6.503				ND	
72 trans-1,3-Dichloropropene	75		6.705				ND	
76 Tetrachloroethene	166		7.000				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	U
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.781				ND	
84 1,1,1,2-Tetrachloroethane	131		7.852				ND	
85 Ethylbenzene	106		7.876				ND	
86 m-Xylene & p-Xylene	106		7.983				ND	
87 o-Xylene	106		8.361				ND	
88 Styrene	104		8.373				ND	
89 Bromoform	173		8.551				ND	
90 Isopropylbenzene	105		8.704				ND	
92 Bromobenzene	156		9.000				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
94 1,2,3-Trichloropropane	110		9.036				ND	
96 N-Propylbenzene	120		9.095				ND	
97 2-Chlorotoluene	126		9.190				ND	
99 4-Chlorotoluene	126		9.284				ND	
102 tert-Butylbenzene	119		9.580				ND	
104 1,2,4-Trimethylbenzene	105		9.627				ND	
105 sec-Butylbenzene	105		9.793				ND	
106 1,3-Dichlorobenzene	146		9.911				ND	
107 4-Isopropyltoluene	119		9.935				ND	
108 1,4-Dichlorobenzene	146		9.994				ND	
109 1,2,3-Trimethylbenzene	105		10.041				ND	
111 n-Butylbenzene	91		10.337				ND	
112 1,2-Dichlorobenzene	146		10.361				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.130				ND	
115 1,2,4-Trichlorobenzene	180		11.947				ND	
116 Hexachlorobutadiene	225		12.124				ND	
117 Naphthalene	128		12.195				ND	
118 1,2,3-Trichlorobenzene	180		12.432				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent

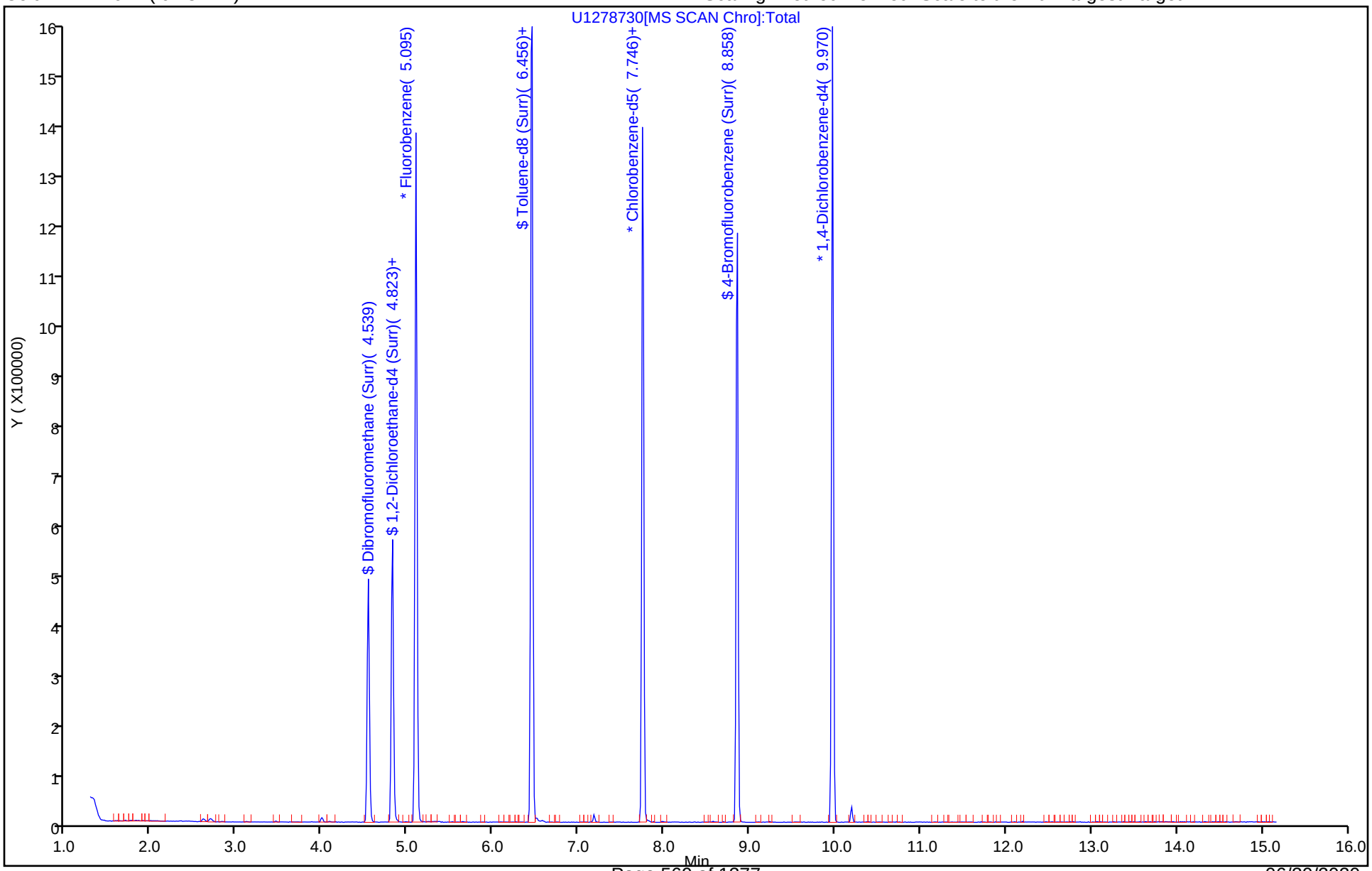
Report Date: 26-Jun-2020 13:41:39 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278730.D

Injection Date:	26-Jun-2020 03:04:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-131928-B-16	Lab Sample ID:	240-131928-16	Worklist Smp#:	32
Client ID:	MSA-SW41D-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278730.D
Lims ID: 240-131928-B-16
Client ID: MSA-SW41D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 03:04:30 ALS Bottle#: 31 Worklist Smp#: 32
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-032
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 13:41:39 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 13:41:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.6	92.99
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.9	109.68
$ 6 Toluene-d8 (Surr)	20.0	19.6	97.94
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.3	96.30

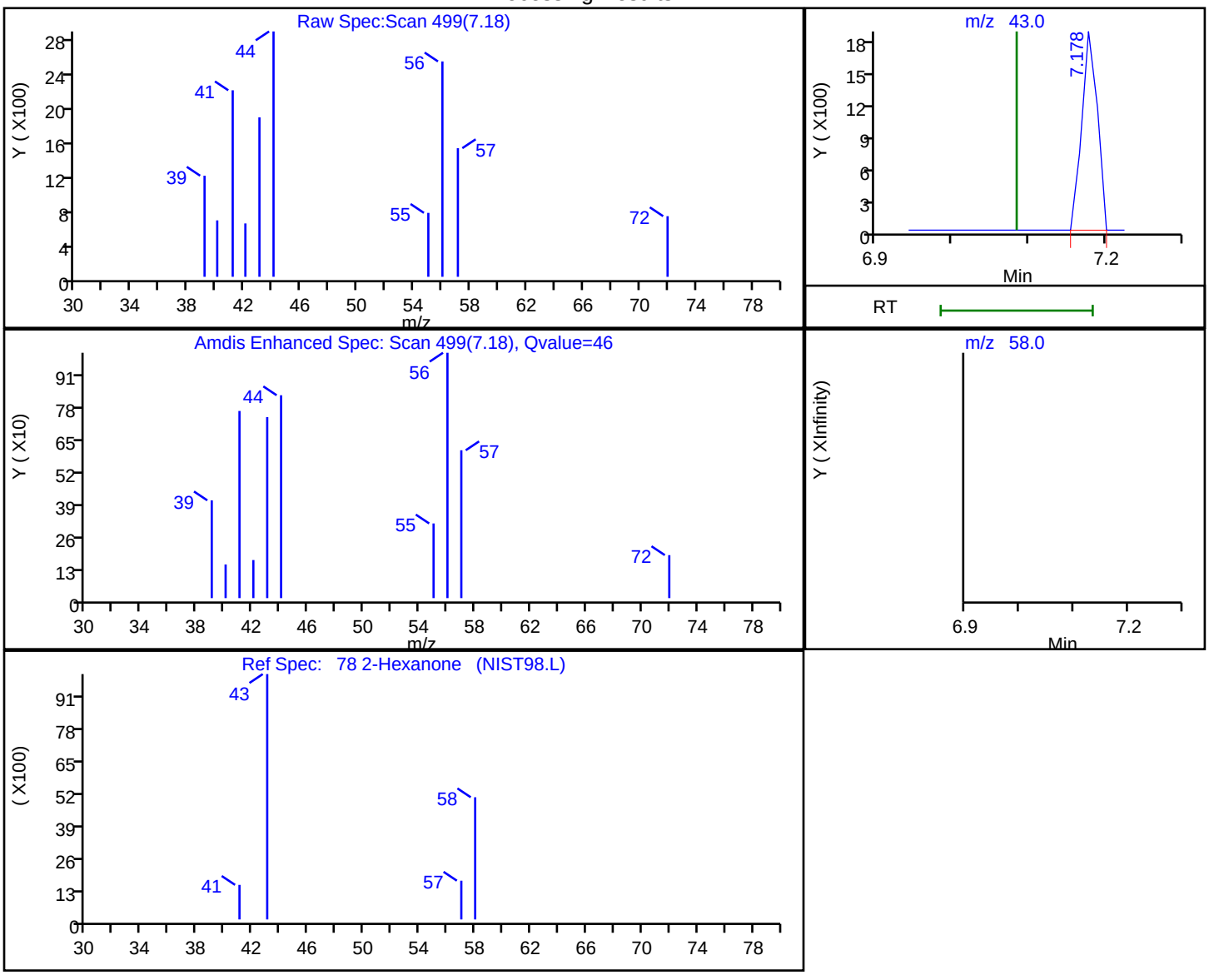
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278730.D				
Injection Date:	26-Jun-2020 03:04:30	Instrument ID:	A3UX12		
Lims ID:	240-131928-B-16	Lab Sample ID:	240-131928-16		
Client ID:	MSA-SW41D-061520				
Operator ID:	001904	ALS Bottle#:	31	Worklist Smp#:	32
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

78 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
7.18	43.00	2593	0.174575
7.08	58.00	0	

Reviewer: laveyt, 26-Jun-2020 13:41:33

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

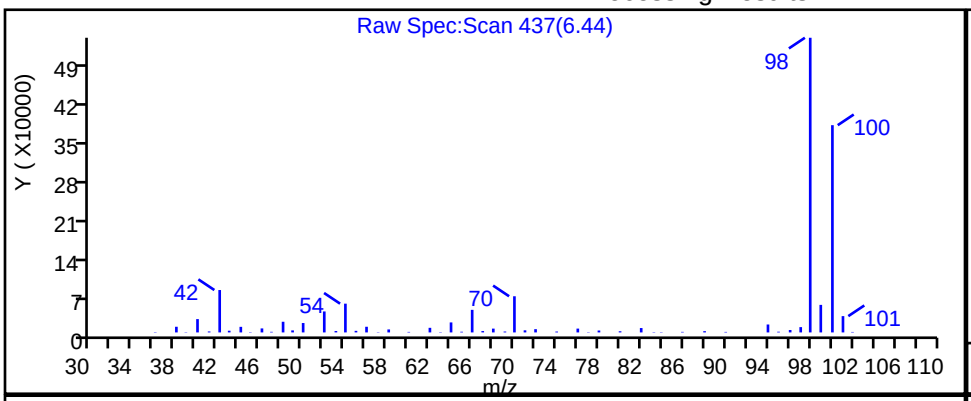
User Disabled Compound Report

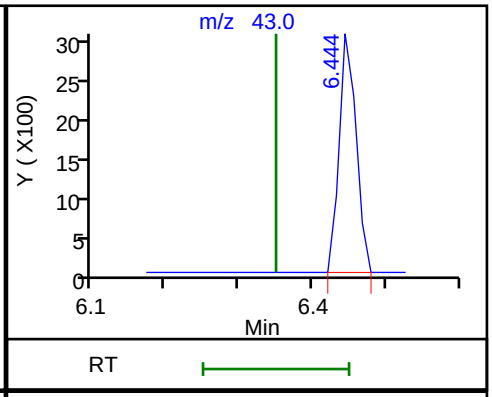
Eurofins TestAmerica, Canton

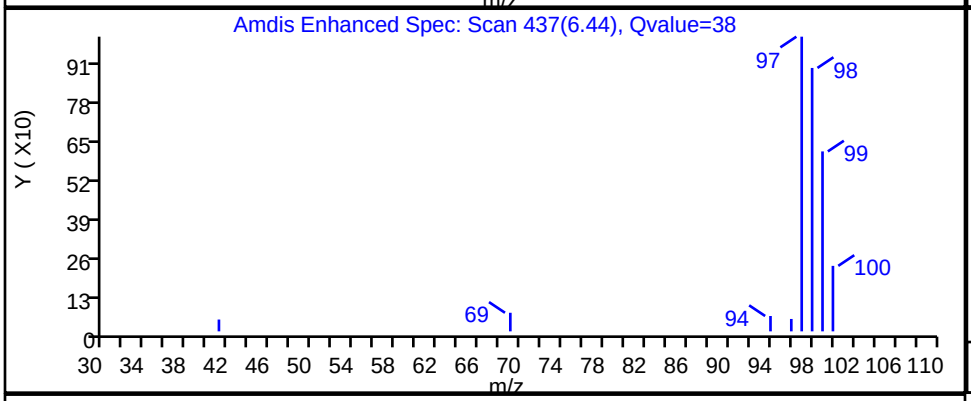
Data File:	\\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278730.D				
Injection Date:	26-Jun-2020 03:04:30	Instrument ID:	A3UX12		
Lims ID:	240-131928-B-16	Lab Sample ID:	240-131928-16		
Client ID:	MSA-SW41D-061520				
Operator ID:	001904	ALS Bottle#:	31	Worklist Smp#:	32
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

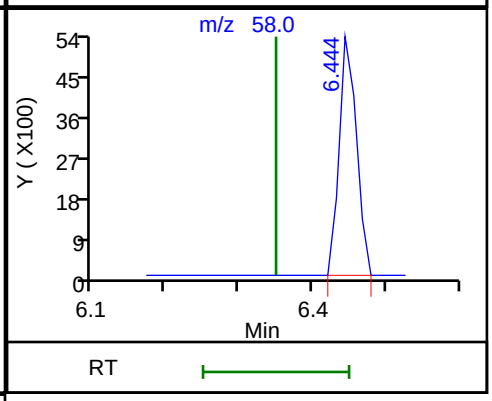
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

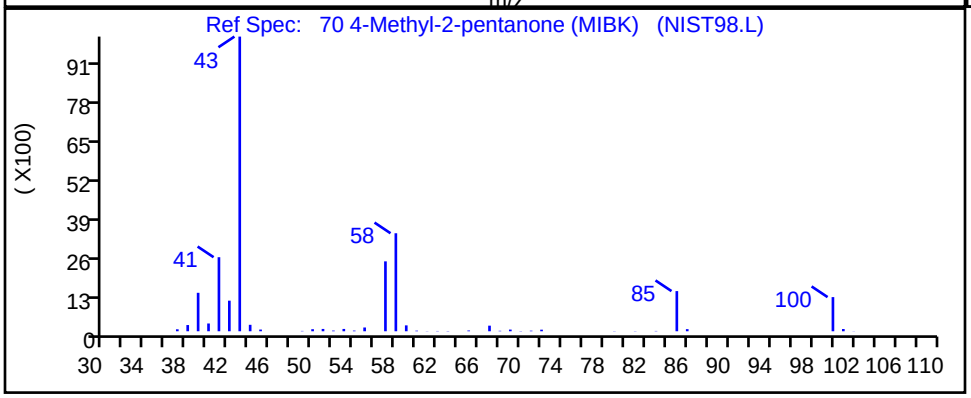
Processing Results











RT	Mass	Response	Amount
6.44	43.00	4962	0.239061
6.44	58.00	8817	

Reviewer: laveyt, 26-Jun-2020 13:41:31

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42A-061520 Lab Sample ID: 240-131928-17

Matrix: Water Lab File ID: U1915225.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:06

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2020 00:39

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroeth ane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42A-061520 Lab Sample ID: 240-131928-17

Matrix: Water Lab File ID: U1915225.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:06

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2020 00:39

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42A-061520 Lab Sample ID: 240-131928-17

Matrix: Water Lab File ID: U1915225.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:06

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2020 00:39

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		75-130
460-00-4	4-Bromofluorobenzene (Surr)	92		47-134
2037-26-5	Toluene-d8 (Surr)	101		69-122
1868-53-7	Dibromofluoromethane (Surr)	95		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42A-061520 Lab Sample ID: 240-131928-17

Matrix: Water Lab File ID: U1915225.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:06

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2020 00:39

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.: 440294 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42A-061520 Lab Sample ID: 240-131928-17

Matrix: Water Lab File ID: U1915225.d

Analysis Method: 8260C Date Collected: 06/15/2020 12:06

Sample wt/vol: 5(mL) Date Analyzed: 06/27/2020 00:39

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\U1915225.d
Lims ID: 240-131928-B-17
Client ID: MSA-SW42A-061520
Sample Type: Client
Inject. Date: 27-Jun-2020 00:39:57 ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099563-026
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Jun-2020 09:44:39 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1008

First Level Reviewer: laveyt Date: 27-Jun-2020 09:44:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.666	5.665	0.001	99	1113954	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	85	799050	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.895	10.883	0.012	94	401656	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.061	5.049	0.012	93	283790	18.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	96	317579	18.4	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	92	964457	20.1	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.686	0.000	92	331948	18.4	
9 Dichlorodifluoromethane	85		1.610				ND	
10 Chloromethane	50		1.823				ND	
12 Vinyl chloride	62	1.930	1.930	0.000	21	1674	0.1009	
13 Bromomethane	94		2.226				ND	
15 Chloroethane	64		2.309				ND	
17 Trichlorofluoromethane	101		2.570				ND	
20 1,1-Dichloroethene	61		3.045				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.057				ND	
22 Acetone	43	3.080	3.080	0.000	99	9361	2.14	
25 Carbon disulfide	76		3.270				ND	
29 Methylene Chloride	49		3.483				ND	
30 2-Methyl-2-propanol	59	3.578	3.578	0.000	29	245	0.1624	
32 trans-1,2-Dichloroethene	61		3.732				ND	
33 Methyl tert-butyl ether	73		3.744				ND	
35 1,1-Dichloroethane	63		4.112				ND	
36 Vinyl acetate	43		4.148				ND	
37 Isopropyl ether	87		4.171				ND	
39 Tert-butyl ethyl ether	59		4.492				ND	
41 cis-1,2-Dichloroethene	96		4.634				ND	
42 2,2-Dichloropropane	77		4.634				ND	
40 2-Butanone (MEK)	72		4.634				ND	
46 Chlorobromomethane	49		4.847				ND	
48 Chloroform	83		4.906				ND	
49 1,1,1-Trichloroethane	97		5.084				ND	
51 1,1-Dichloropropene	75		5.227				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.239				ND	
54 Benzene	78		5.416				ND	
55 1,2-Dichloroethane	62		5.428				ND	
56 Tert-amyl methyl ether	73		5.511				ND	
59 Trichloroethene	130		5.997				ND	
62 1,2-Dichloropropane	63		6.187				ND	
64 Dibromomethane	174		6.306				ND	
66 Dichlorobromomethane	83		6.436				ND	
68 2-Chloroethyl vinyl ether	63		6.697				ND	
69 cis-1,3-Dichloropropene	75		6.851				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.982				ND	
71 Toluene	91		7.171				ND	
72 trans-1,3-Dichloropropene	75		7.361				ND	
76 1,3-Dichloropropane	76		7.705				ND	
75 Tetrachloroethene	166		7.705				ND	
77 2-Hexanone	43		7.776				ND	U
79 Chlorodibromomethane	129		7.930				ND	
81 Ethylene Dibromide	107		8.049				ND	
83 Chlorobenzene	112		8.535				ND	
84 1,1,1,2-Tetrachloroethane	131		8.606				ND	
85 Ethylbenzene	106		8.630				ND	
86 m-Xylene & p-Xylene	106		8.749				ND	
87 o-Xylene	106		9.152				ND	
88 Styrene	104		9.164				ND	
89 Bromoform	173		9.353				ND	
90 Isopropylbenzene	105		9.531				ND	
93 1,1,2,2-Tetrachloroethane	83		9.816				ND	
95 Bromobenzene	156		9.852				ND	
96 1,2,3-Trichloropropane	110		9.875				ND	
98 N-Propylbenzene	120		9.946				ND	
100 2-Chlorotoluene	126		10.041				ND	
102 4-Chlorotoluene	126		10.160				ND	
103 tert-Butylbenzene	119		10.468				ND	
105 1,2,4-Trimethylbenzene	105		10.527				ND	
106 sec-Butylbenzene	105		10.705				ND	
107 1,3-Dichlorobenzene	146		10.824				ND	
108 4-Isopropyltoluene	119		10.848				ND	
109 1,4-Dichlorobenzene	146		10.919				ND	
110 1,2,3-Trimethylbenzene	105		10.966				ND	
112 n-Butylbenzene	91		11.286				ND	
113 1,2-Dichlorobenzene	146		11.310				ND	
114 1,2-Dibromo-3-Chloropropane	157		12.128				ND	
116 1,2,4-Trichlorobenzene	180		13.018				ND	
117 Hexachlorobutadiene	225		13.208				ND	
118 Naphthalene	128		13.279				ND	
119 1,2,3-Trichlorobenzene	180		13.540				ND	
S 128 Xylenes, Total	106		16.520				ND	
T 131 Chlorodifluoromethane TIC	51		1.640				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

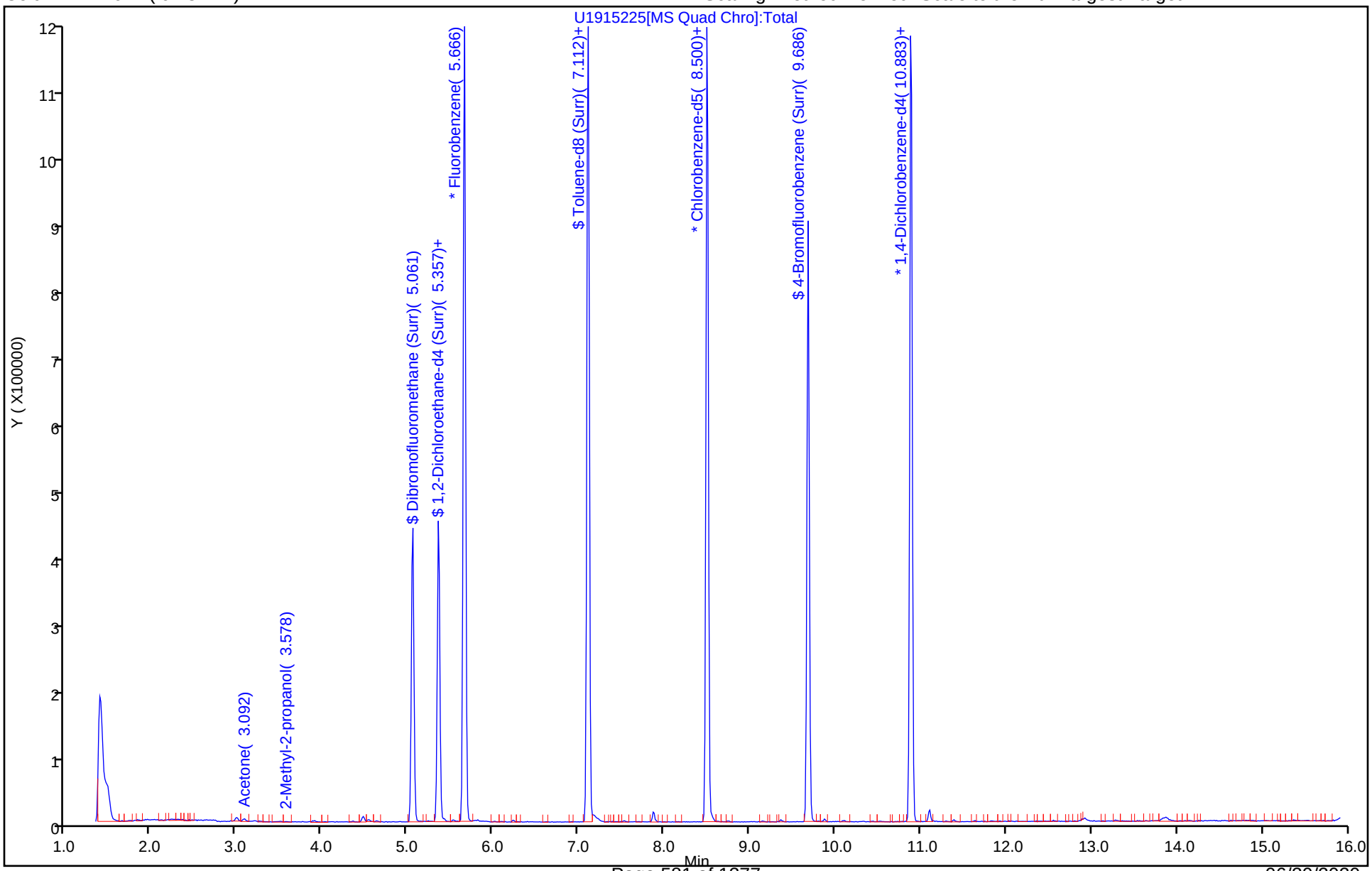
Report Date: 27-Jun-2020 09:44:39 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\U1915225.d

Injection Date:	27-Jun-2020 00:39:57	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-131928-B-17	Lab Sample ID:	240-131928-17	Worklist Smp#:	26
Client ID:	MSA-SW42A-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\U1915225.d
Lims ID: 240-131928-B-17
Client ID: MSA-SW42A-061520
Sample Type: Client
Inject. Date: 27-Jun-2020 00:39:57 ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099563-026
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Jun-2020 09:44:39 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1008

First Level Reviewer: laveyt Date: 27-Jun-2020 09:44:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.9	94.64
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.4	92.20
$ 6 Toluene-d8 (Surr)	20.0	20.1	100.64
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.4	92.05

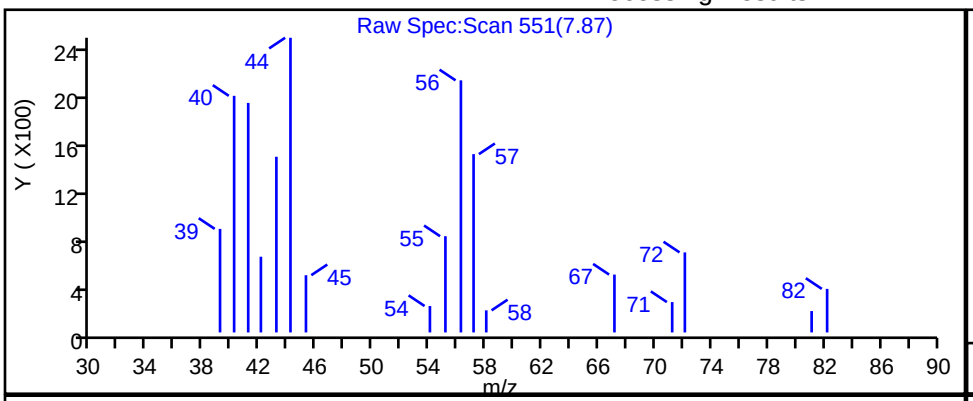
User Disabled Compound Report

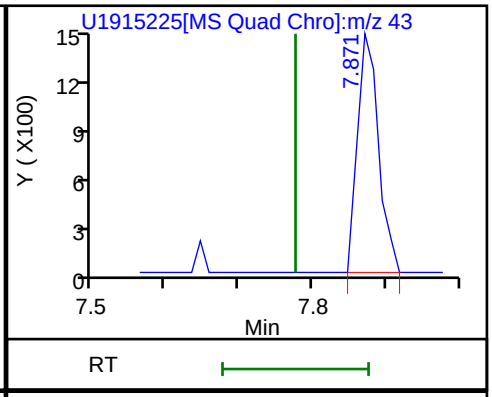
Eurofins TestAmerica, Canton

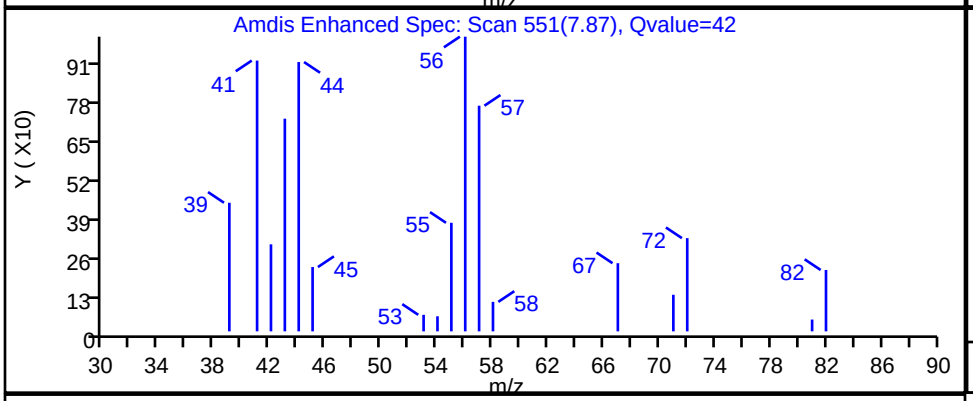
Data File:	\\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\U1915225.d				
Injection Date:	27-Jun-2020 00:39:57	Instrument ID:	A3UX19		
Lims ID:	240-131928-B-17	Lab Sample ID:	240-131928-17		
Client ID:	MSA-SW42A-061520				
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

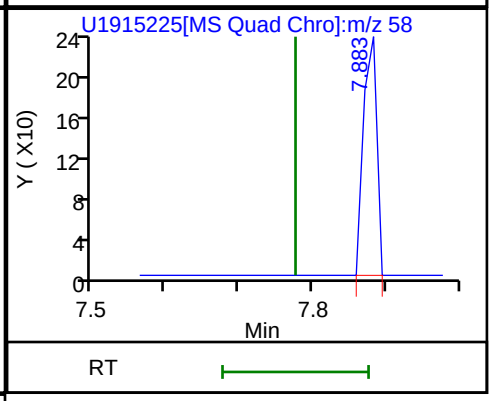
77 2-Hexanone, CAS: 591-78-6

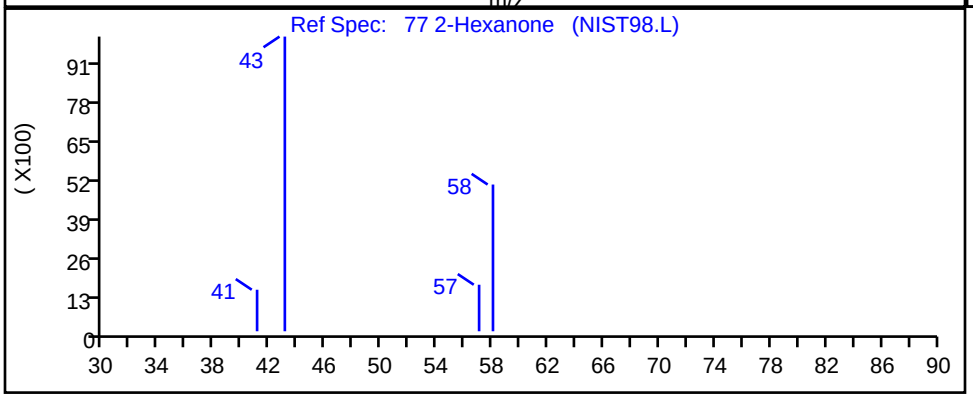
Processing Results











RT	Mass	Response	Amount
7.87	43.00	2917	0.231864
7.88	58.00	300	

Reviewer: laveyt, 27-Jun-2020 09:44:29

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42B-061520 Lab Sample ID: 240-131928-18

Matrix: Water Lab File ID: UXM29285.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:54

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42B-061520 Lab Sample ID: 240-131928-18

Matrix: Water Lab File ID: UXM29285.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:54

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42B-061520 Lab Sample ID: 240-131928-18

Matrix: Water Lab File ID: UXM29285.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:54

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		75-130
460-00-4	4-Bromofluorobenzene (Surr)	116		47-134
2037-26-5	Toluene-d8 (Surr)	109		69-122
1868-53-7	Dibromofluoromethane (Surr)	113		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42B-061520 Lab Sample ID: 240-131928-18

Matrix: Water Lab File ID: UXM29285.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:54

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42B-061520 Lab Sample ID: 240-131928-18

Matrix: Water Lab File ID: UXM29285.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:54

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29285.D
Lims ID: 240-131928-B-18
Client ID: MSA-SW42B-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 02:54:30 ALS Bottle#: 44 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-009
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:00:07 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:00:56

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1103670	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	885613	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	464790	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	289024	22.6	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.597	-0.001	98	366873	23.5	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1209753	21.7	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	473714	23.1	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	50 1,1-Dichloropropene	75		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
51 Carbon tetrachloride	117		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

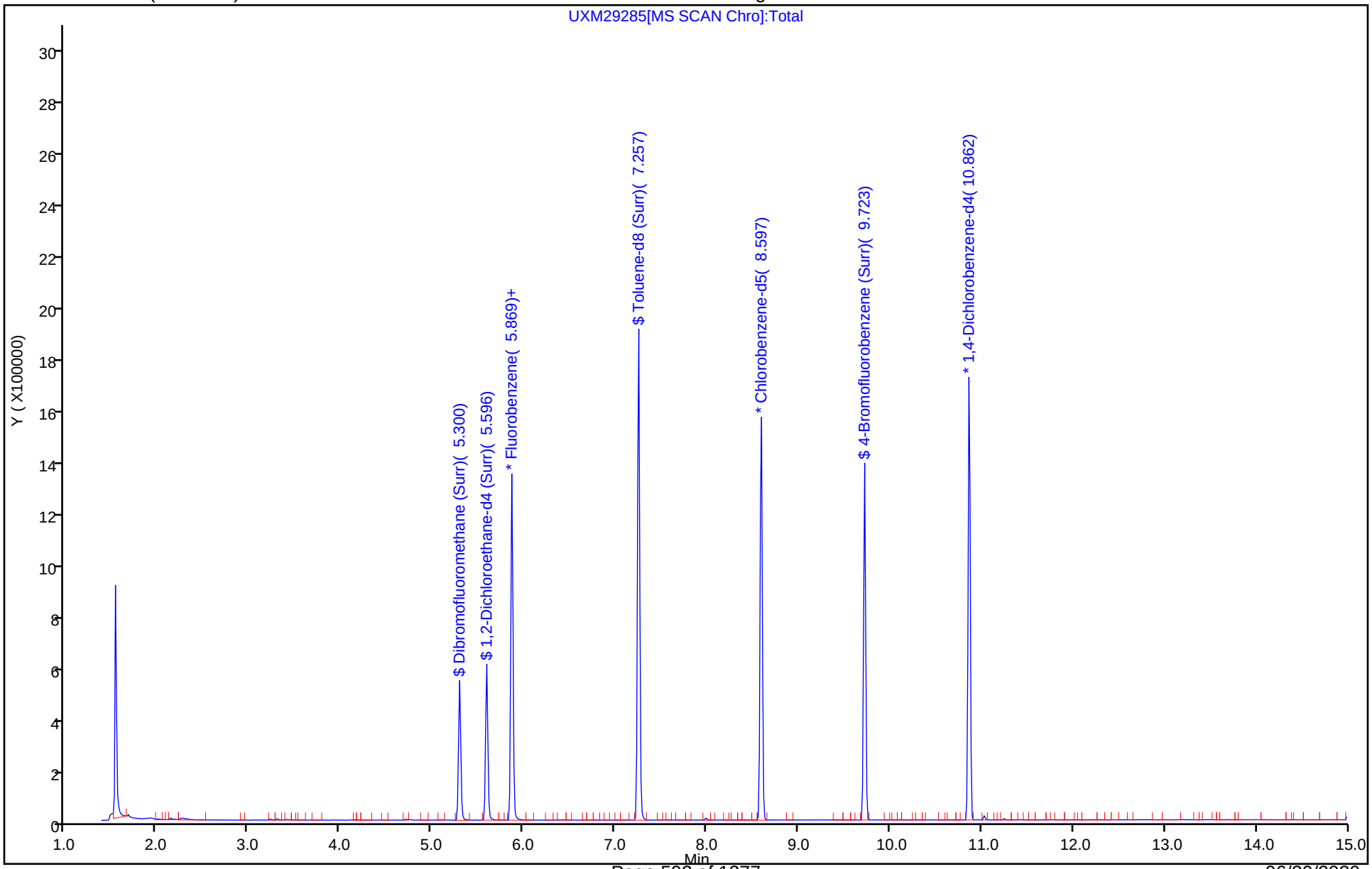
Report Date: 26-Jun-2020 08:00:56 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29285.D

Injection Date:	26-Jun-2020 02:54:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-18	Lab Sample ID:	240-131928-18	Worklist Smp#:	9
Client ID:	MSA-SW42B-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	44
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29285.D
Lims ID: 240-131928-B-18
Client ID: MSA-SW42B-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 02:54:30 ALS Bottle#: 44 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-009
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:00:07 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:00:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	22.6	112.81
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.5	117.62
$ 6 Toluene-d8 (Surr)	20.0	21.7	108.59
$ 7 4-Bromofluorobenzene (Surr)	20.0	23.1	115.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42C-061520 Lab Sample ID: 240-131928-19

Matrix: Water Lab File ID: UXM29286.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:11

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroeth ane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42C-061520 Lab Sample ID: 240-131928-19

Matrix: Water Lab File ID: UXM29286.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:11

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42C-061520 Lab Sample ID: 240-131928-19

Matrix: Water Lab File ID: UXM29286.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:11

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		75-130
460-00-4	4-Bromofluorobenzene (Surr)	114		47-134
2037-26-5	Toluene-d8 (Surr)	107		69-122
1868-53-7	Dibromofluoromethane (Surr)	112		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42C-061520 Lab Sample ID: 240-131928-19

Matrix: Water Lab File ID: UXM29286.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:11

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:19

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42C-061520 Lab Sample ID: 240-131928-19

Matrix: Water Lab File ID: UXM29286.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:11

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29286.D
Lims ID: 240-131928-B-19
Client ID: MSA-SW42C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 03:19:30 ALS Bottle#: 45 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-010
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:00:07 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:01:23

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1077577	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	862655	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	454639	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	279228	22.3	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	350147	23.0	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1157300	21.3	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	89	454131	22.8	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	50 1,1-Dichloropropene	75		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
51 Carbon tetrachloride	117		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

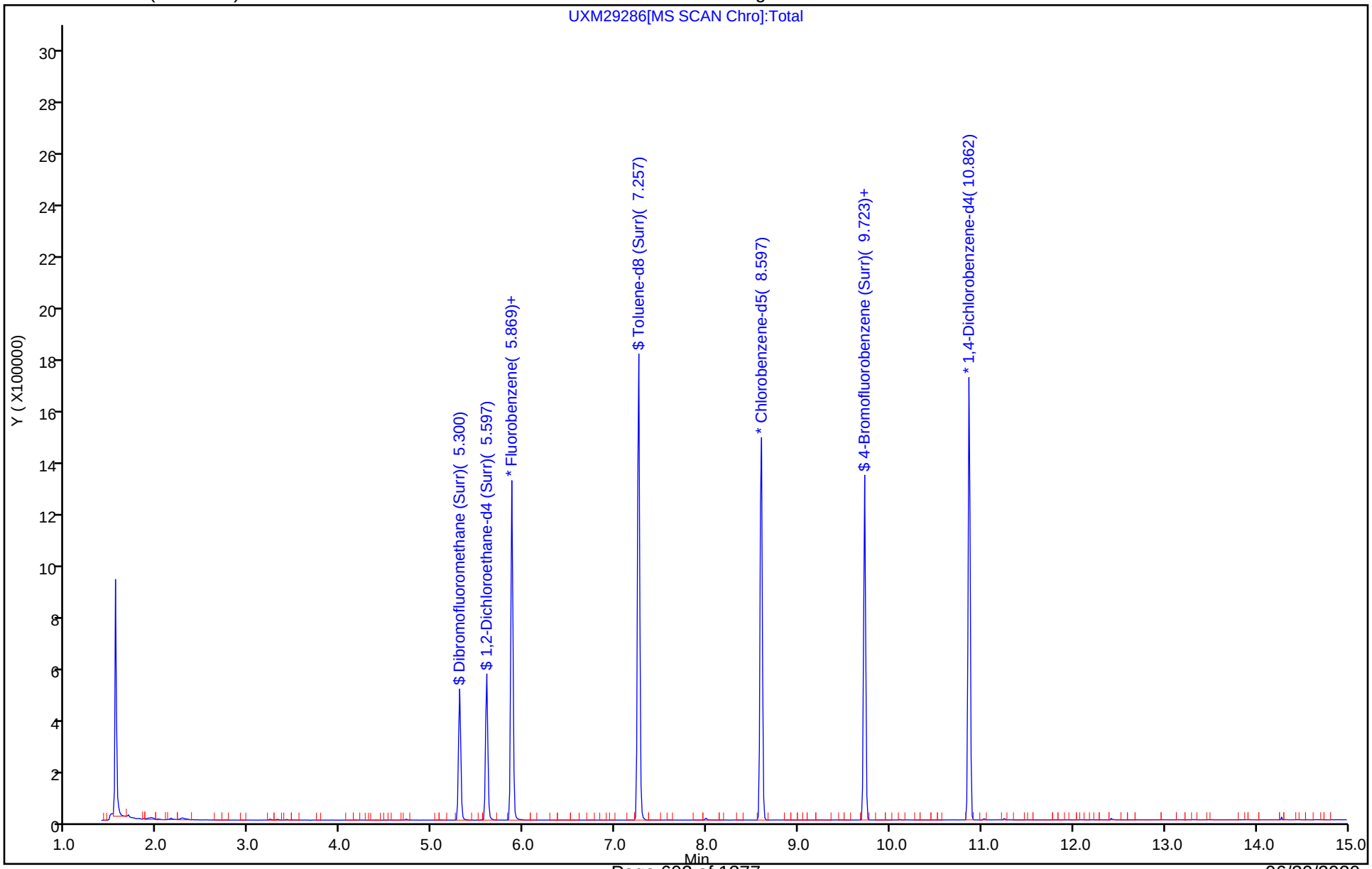
Report Date: 26-Jun-2020 08:01:23 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29286.D

Injection Date:	26-Jun-2020 03:19:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-19	Lab Sample ID:	240-131928-19	Worklist Smp#:	10
Client ID:	MSA-SW42C-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	45
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29286.D
Lims ID: 240-131928-B-19
Client ID: MSA-SW42C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 03:19:30 ALS Bottle#: 45 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-010
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:00:07 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:01:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	22.3	111.62
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.0	114.98
$ 6 Toluene-d8 (Surr)	20.0	21.3	106.65
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.8	113.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42D-061520 Lab Sample ID: 240-131928-20

Matrix: Water Lab File ID: UXM29287.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:43

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42D-061520 Lab Sample ID: 240-131928-20

Matrix: Water Lab File ID: UXM29287.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:43

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42D-061520 Lab Sample ID: 240-131928-20

Matrix: Water Lab File ID: UXM29287.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:43

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		75-130
460-00-4	4-Bromofluorobenzene (Surr)	112		47-134
2037-26-5	Toluene-d8 (Surr)	105		69-122
1868-53-7	Dibromofluoromethane (Surr)	111		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42D-061520 Lab Sample ID: 240-131928-20

Matrix: Water Lab File ID: UXM29287.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:43

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW42D-061520 Lab Sample ID: 240-131928-20

Matrix: Water Lab File ID: UXM29287.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 03:43

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29287.D
Lims ID: 240-131928-B-20
Client ID: MSA-SW42D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 03:43:30 ALS Bottle#: 46 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-011
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:22:36

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1061305	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	856620	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	450649	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	274252	22.3	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	348420	23.2	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1130126	21.0	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	444774	22.5	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

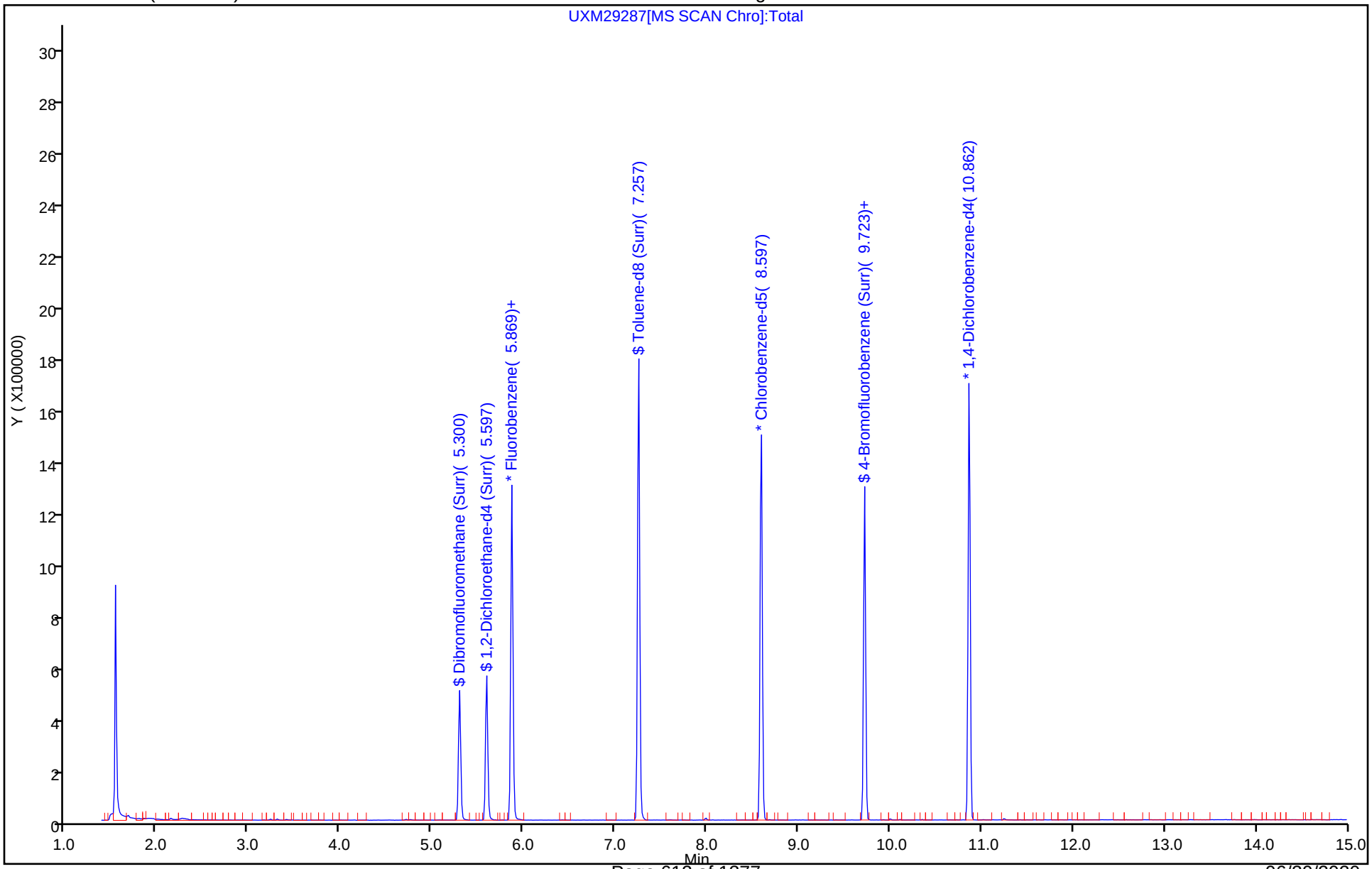
Report Date: 26-Jun-2020 08:22:36 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29287.D

Injection Date:	26-Jun-2020 03:43:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-20	Lab Sample ID:	240-131928-20	Worklist Smp#:	11
Client ID:	MSA-SW42D-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	46
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29287.D
Lims ID: 240-131928-B-20
Client ID: MSA-SW42D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 03:43:30 ALS Bottle#: 46 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-011
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:22:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	22.3	111.32
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.2	116.17
$ 6 Toluene-d8 (Surr)	20.0	21.0	104.88
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.5	112.27

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43A-061520 Lab Sample ID: 240-131928-21

Matrix: Water Lab File ID: UXM29288.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43A-061520 Lab Sample ID: 240-131928-21

Matrix: Water Lab File ID: UXM29288.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43A-061520 Lab Sample ID: 240-131928-21

Matrix: Water Lab File ID: UXM29288.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		75-130
460-00-4	4-Bromofluorobenzene (Surr)	112		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	110		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43A-061520 Lab Sample ID: 240-131928-21

Matrix: Water Lab File ID: UXM29288.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43A-061520 Lab Sample ID: 240-131928-21

Matrix: Water Lab File ID: UXM29288.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29288.D
Lims ID: 240-131928-B-21
Client ID: MSA-SW43A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 04:08:30 ALS Bottle#: 47 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-012
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:23:01

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1121552	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	899125	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	471522	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	287013	22.0	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.597	-0.001	98	363931	23.0	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1194552	21.1	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	467611	22.5	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

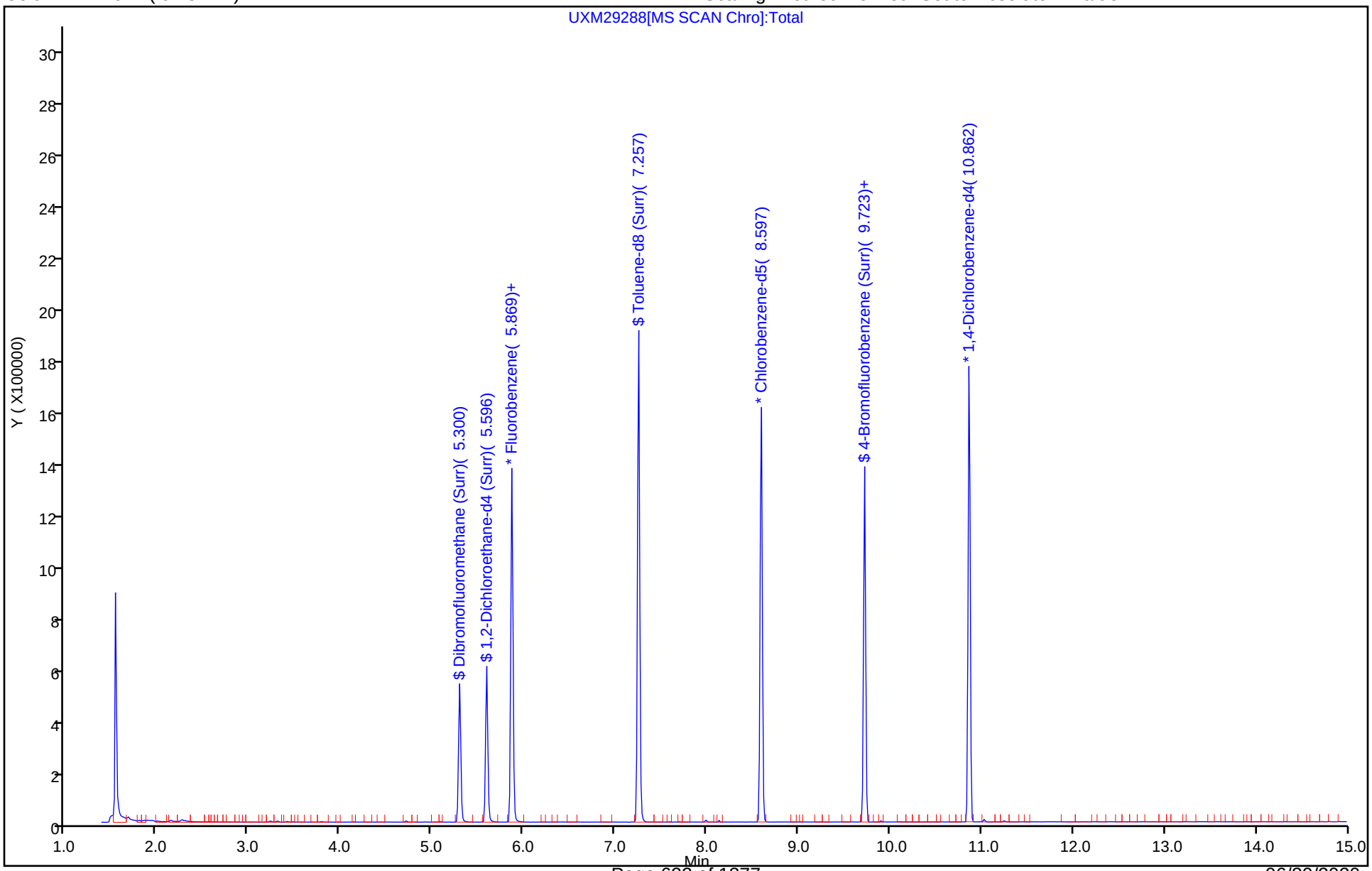
Report Date: 26-Jun-2020 08:23:01 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29288.D

Injection Date:	26-Jun-2020 04:08:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-21	Lab Sample ID:	240-131928-21	Worklist Smp#:	12
Client ID:	MSA-SW43A-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	47
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29288.D
Lims ID: 240-131928-B-21
Client ID: MSA-SW43A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 04:08:30 ALS Bottle#: 47 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-012
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:23:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	22.0	110.24
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.0	114.82
$ 6 Toluene-d8 (Surr)	20.0	21.1	105.62
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.5	112.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43B--061520 Lab Sample ID: 240-131928-22

Matrix: Water Lab File ID: UXM29289.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:06

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:33

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroeth ane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43B--061520 Lab Sample ID: 240-131928-22

Matrix: Water Lab File ID: UXM29289.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:06

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:33

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43B--061520 Lab Sample ID: 240-131928-22

Matrix: Water Lab File ID: UXM29289.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:06

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:33

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		75-130
460-00-4	4-Bromofluorobenzene (Surr)	114		47-134
2037-26-5	Toluene-d8 (Surr)	107		69-122
1868-53-7	Dibromofluoromethane (Surr)	112		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43B--061520 Lab Sample ID: 240-131928-22

Matrix: Water Lab File ID: UXM29289.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:06

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:33

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43B--061520 Lab Sample ID: 240-131928-22

Matrix: Water Lab File ID: UXM29289.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:06

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:33

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29289.D
Lims ID: 240-131928-B-22
Client ID: MSA-SW43B--061520
Sample Type: Client
Inject. Date: 26-Jun-2020 04:33:30 ALS Bottle#: 48 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-013
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:23:30

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1051321	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	87	842548	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	446071	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	273631	22.4	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	341793	23.0	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1137651	21.5	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	443484	22.8	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

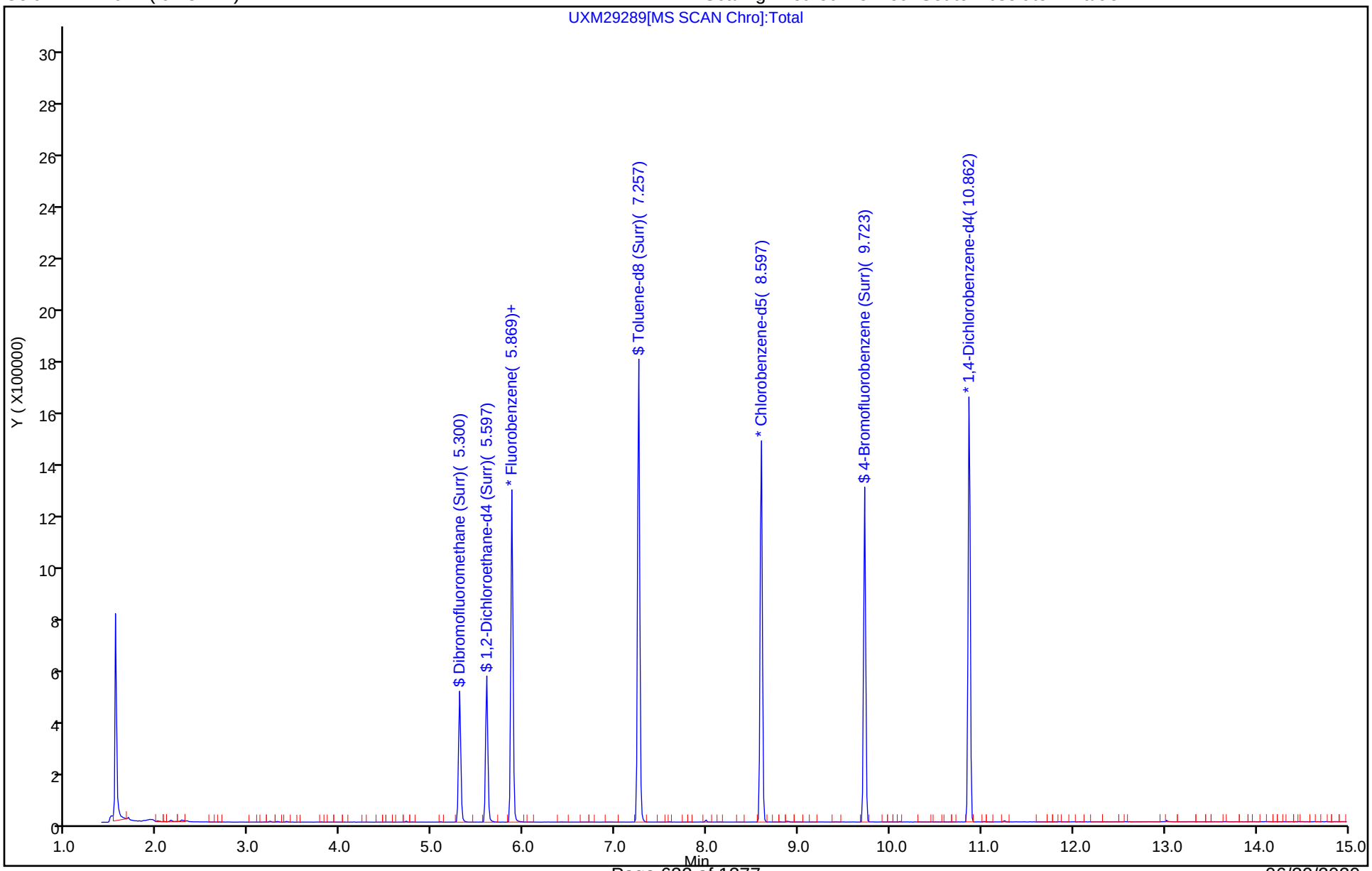
Report Date: 26-Jun-2020 08:23:30 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29289.D

Injection Date:	26-Jun-2020 04:33:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-22	Lab Sample ID:	240-131928-22	Worklist Smp#:	13
Client ID:	MSA-SW43B--061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	48
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29289.D
Lims ID: 240-131928-B-22
Client ID: MSA-SW43B--061520
Sample Type: Client
Inject. Date: 26-Jun-2020 04:33:30 ALS Bottle#: 48 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-013
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:23:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	22.4	112.12
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.0	115.04
$ 6 Toluene-d8 (Surr)	20.0	21.5	107.34
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.8	113.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43C-061520 Lab Sample ID: 240-131928-23

Matrix: Water Lab File ID: UXM29290.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43C-061520 Lab Sample ID: 240-131928-23

Matrix: Water Lab File ID: UXM29290.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43C-061520 Lab Sample ID: 240-131928-23

Matrix: Water Lab File ID: UXM29290.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		75-130
460-00-4	4-Bromofluorobenzene (Surr)	113		47-134
2037-26-5	Toluene-d8 (Surr)	107		69-122
1868-53-7	Dibromofluoromethane (Surr)	112		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43C-061520 Lab Sample ID: 240-131928-23

Matrix: Water Lab File ID: UXM29290.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43C-061520 Lab Sample ID: 240-131928-23

Matrix: Water Lab File ID: UXM29290.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:09

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 04:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29290.D
Lims ID: 240-131928-B-23
Client ID: MSA-SW43C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 04:58:30 ALS Bottle#: 49 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-014
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:23:59

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1069142	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	865454	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	451612	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	277861	22.4	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	350865	23.2	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1164103	21.4	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	450420	22.5	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

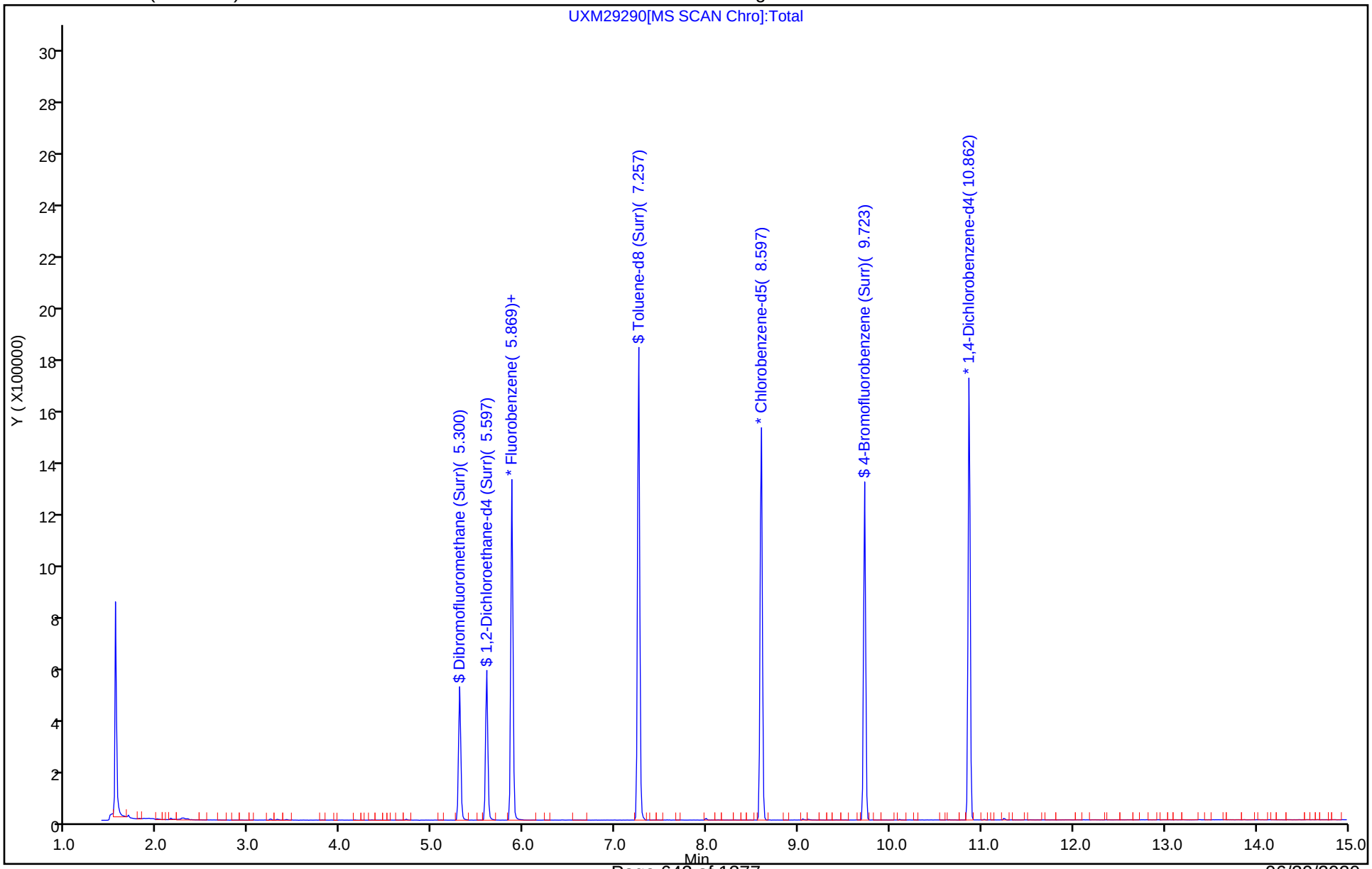
Report Date: 26-Jun-2020 08:23:59 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29290.D

Injection Date:	26-Jun-2020 04:58:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-23	Lab Sample ID:	240-131928-23	Worklist Smp#:	14
Client ID:	MSA-SW43C-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	49
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29290.D
Lims ID: 240-131928-B-23
Client ID: MSA-SW43C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 04:58:30 ALS Bottle#: 49 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-014
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:23:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	22.4	111.95
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.2	116.12
$ 6 Toluene-d8 (Surr)	20.0	21.4	106.93
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.5	112.53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43D-061520 Lab Sample ID: 240-131928-24

Matrix: Water Lab File ID: UXM29291.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:12

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:23

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43D-061520 Lab Sample ID: 240-131928-24

Matrix: Water Lab File ID: UXM29291.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:12

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:23

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43D-061520 Lab Sample ID: 240-131928-24

Matrix: Water Lab File ID: UXM29291.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:12

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:23

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	104		69-122
1868-53-7	Dibromofluoromethane (Surr)	110		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43D-061520 Lab Sample ID: 240-131928-24

Matrix: Water Lab File ID: UXM29291.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:12

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:23

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW43D-061520 Lab Sample ID: 240-131928-24

Matrix: Water Lab File ID: UXM29291.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:12

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:23

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29291.D
Lims ID: 240-131928-B-24
Client ID: MSA-SW43D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 05:23:30 ALS Bottle#: 50 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-015
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:24:28

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1071237	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	859618	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	451176	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	273498	22.0	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	-0.001	97	336769	22.2	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1126718	20.8	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	438479	22.1	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

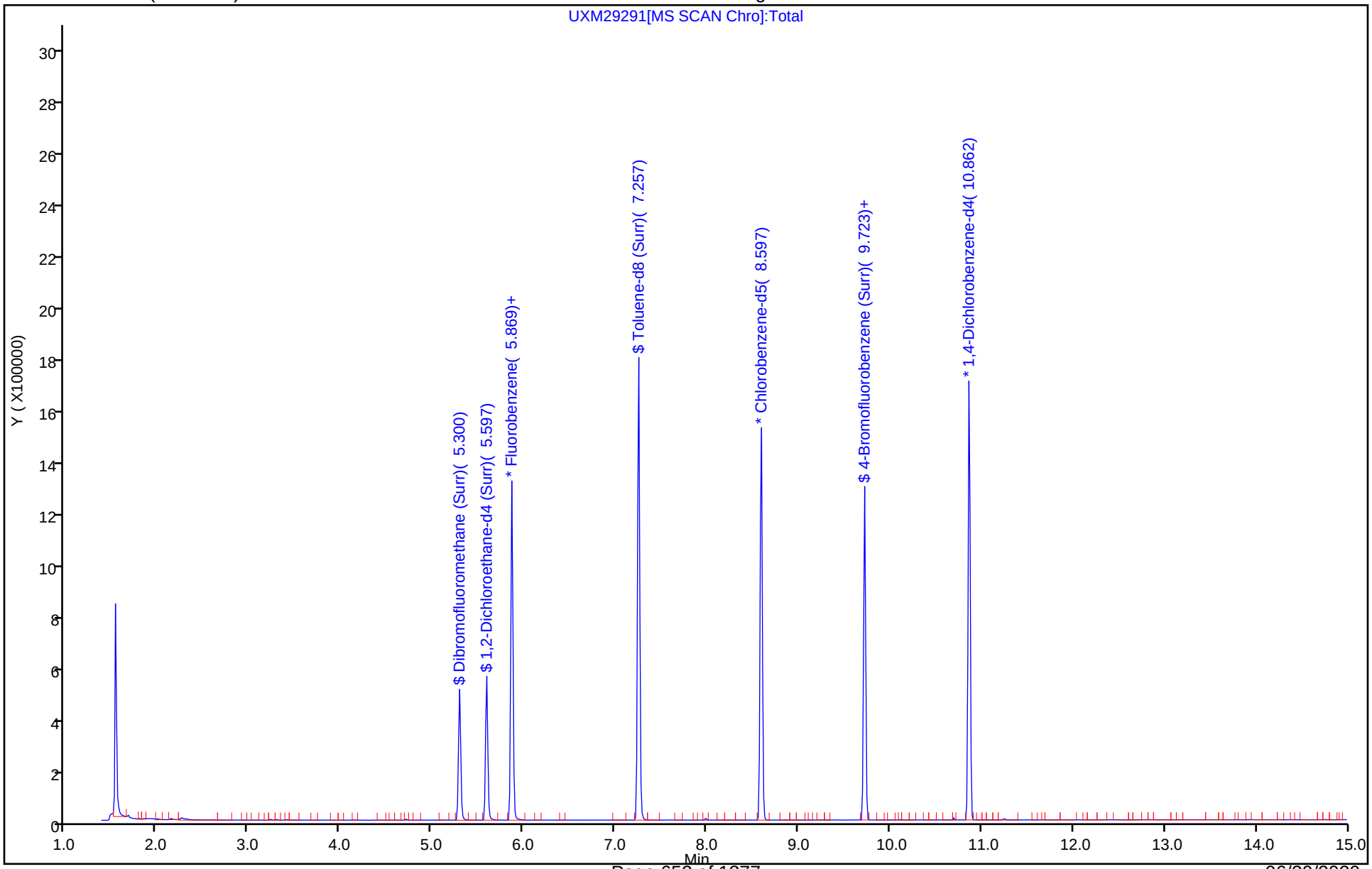
Report Date: 26-Jun-2020 08:24:28 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29291.D

Injection Date:	26-Jun-2020 05:23:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-24	Lab Sample ID:	240-131928-24	Worklist Smp#:	15
Client ID:	MSA-SW43D-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	50
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29291.D
Lims ID: 240-131928-B-24
Client ID: MSA-SW43D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 05:23:30 ALS Bottle#: 50 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-015
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:24:28

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	22.0	109.98
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.2	111.24
$ 6 Toluene-d8 (Surr)	20.0	20.8	104.20
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.1	110.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44A-061520 Lab Sample ID: 240-131928-25

Matrix: Water Lab File ID: UXM29292.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:48

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44A-061520 Lab Sample ID: 240-131928-25

Matrix: Water Lab File ID: UXM29292.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:48

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44A-061520 Lab Sample ID: 240-131928-25

Matrix: Water Lab File ID: UXM29292.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:48

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		75-130
460-00-4	4-Bromofluorobenzene (Surr)	113		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	110		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44A-061520 Lab Sample ID: 240-131928-25

Matrix: Water Lab File ID: UXM29292.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:48

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44A-061520 Lab Sample ID: 240-131928-25

Matrix: Water Lab File ID: UXM29292.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:48

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 05:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29292.D
Lims ID: 240-131928-B-25
Client ID: MSA-SW44A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 05:48:30 ALS Bottle#: 51 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-016
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:25:55

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1091688	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	87	874766	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	97	460159	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	279548	22.1	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	354616	23.0	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1164375	21.2	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	455471	22.5	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

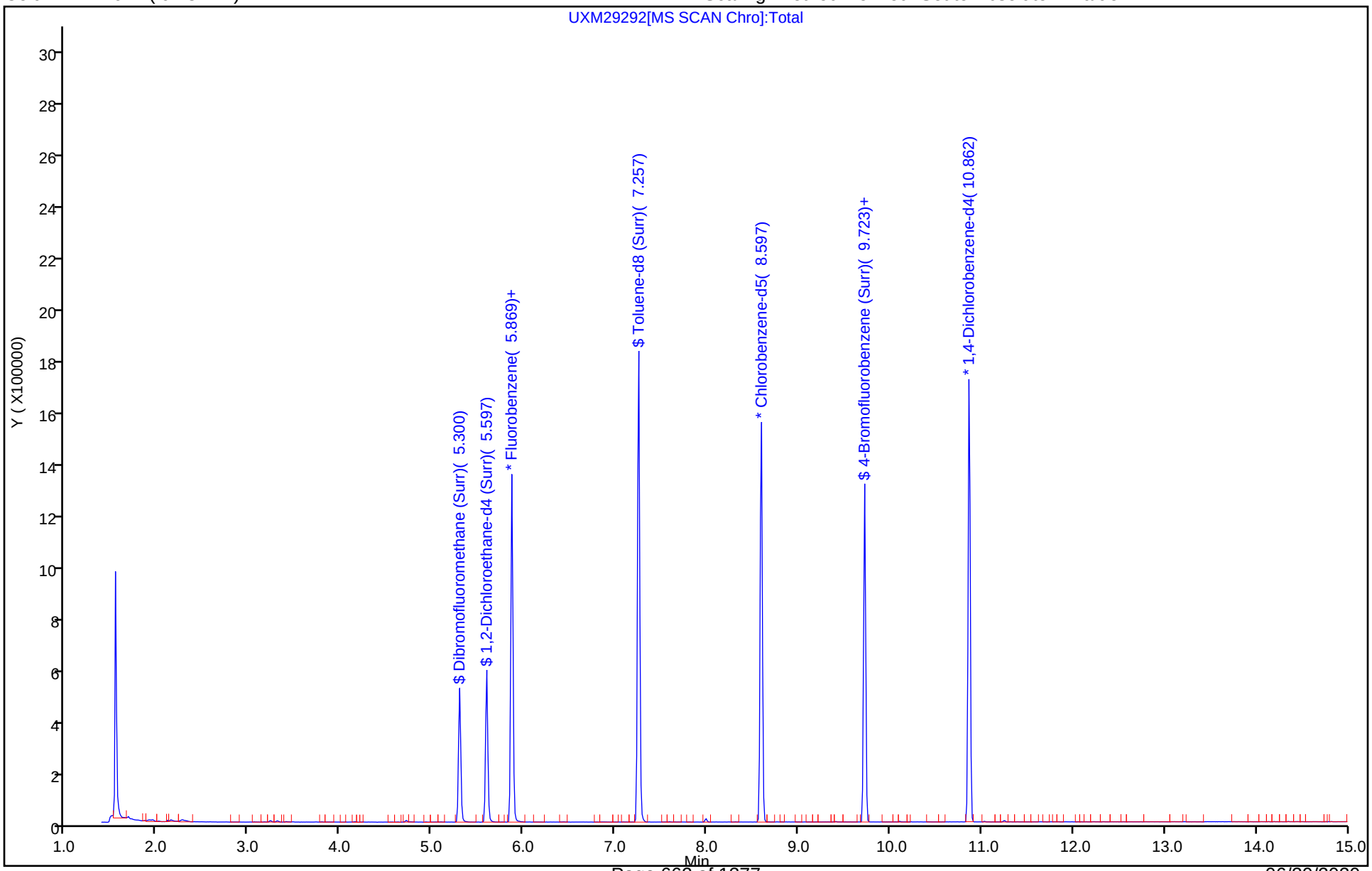
Report Date: 26-Jun-2020 08:26:25 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29292.D

Injection Date:	26-Jun-2020 05:48:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-25	Lab Sample ID:	240-131928-25	Worklist Smp#:	16
Client ID:	MSA-SW44A-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	51
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29292.D
Lims ID: 240-131928-B-25
Client ID: MSA-SW44A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 05:48:30 ALS Bottle#: 51 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-016
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:25:55

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	22.1	110.31
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.0	114.94
$ 6 Toluene-d8 (Surr)	20.0	21.2	105.82
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.5	112.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44B-061520 Lab Sample ID: 240-131928-26

Matrix: Water Lab File ID: UXM29293.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:50

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:13

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44B-061520 Lab Sample ID: 240-131928-26

Matrix: Water Lab File ID: UXM29293.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:50

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:13

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44B-061520 Lab Sample ID: 240-131928-26

Matrix: Water Lab File ID: UXM29293.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:50

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:13

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		75-130
460-00-4	4-Bromofluorobenzene (Surr)	112		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	107		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44B-061520 Lab Sample ID: 240-131928-26

Matrix: Water Lab File ID: UXM29293.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:50

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:13

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44B-061520 Lab Sample ID: 240-131928-26

Matrix: Water Lab File ID: UXM29293.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:50

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:13

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29293.D
Lims ID: 240-131928-B-26
Client ID: MSA-SW44B-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 06:13:30 ALS Bottle#: 52 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-017
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:26:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1108323	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	877983	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	462101	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	93	275912	21.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.597	-0.001	98	361006	23.1	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1170240	21.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	87	454543	22.4	
9 Dichlorodifluoromethane	85		1.719				ND	
10 Chloromethane	50		1.909				ND	
11 Vinyl chloride	62		2.027				ND	
13 Bromomethane	94		2.371				ND	
14 Chloroethane	64		2.490				ND	
16 Trichlorofluoromethane	101		2.751				ND	
19 1,1-Dichloroethene	96		3.260				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
21 Acetone	58		3.308				ND	
24 Carbon disulfide	76		3.474				ND	
28 Methylene Chloride	84		3.735				ND	
29 2-Methyl-2-propanol	59		3.818				ND	
31 Methyl tert-butyl ether	73		3.972				ND	
32 trans-1,2-Dichloroethene	96		3.984				ND	
35 Vinyl acetate	43		4.363				ND	
34 1,1-Dichloroethane	63		4.375				ND	
36 Isopropyl ether	87		4.399				ND	
38 Tert-butyl ethyl ether	59		4.707				ND	
40 2-Butanone (MEK)	72		4.861				ND	
39 cis-1,2-Dichloroethene	96		4.873				ND	
41 2,2-Dichloropropane	77		4.885				ND	
45 Chlorobromomethane	128		5.087				ND	
47 Chloroform	83		5.158				ND	
48 1,1,1-Trichloroethane	97		5.312				ND	
51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

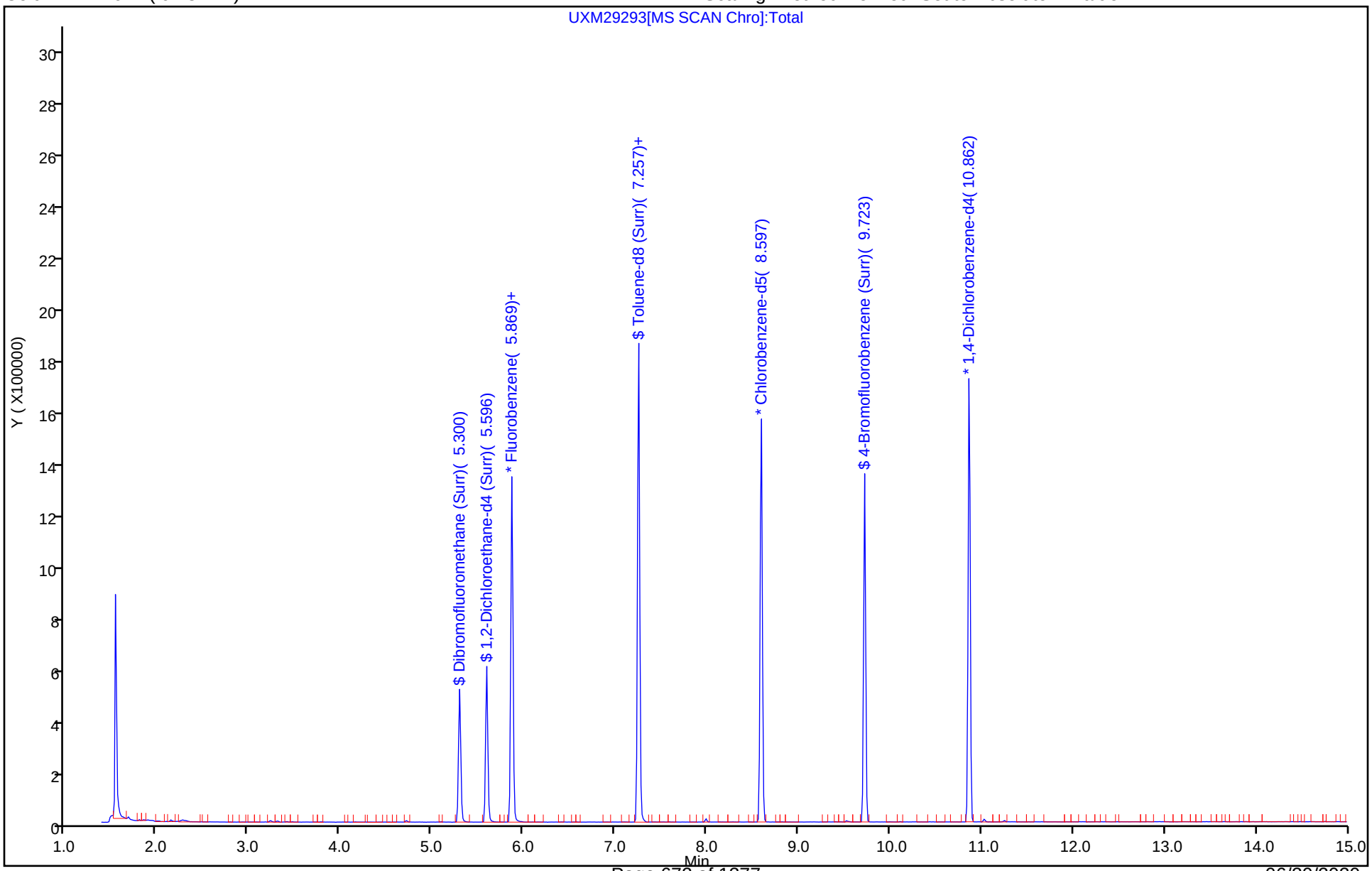
Report Date: 26-Jun-2020 08:26:47 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29293.D

Injection Date:	26-Jun-2020 06:13:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-26	Lab Sample ID:	240-131928-26	Worklist Smp#:	17
Client ID:	MSA-SW44B-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	52
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29293.D
Lims ID: 240-131928-B-26
Client ID: MSA-SW44B-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 06:13:30 ALS Bottle#: 52 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-017
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:26:47

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.4	107.24
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.1	115.26
$ 6 Toluene-d8 (Surr)	20.0	21.2	105.96
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.4	111.94

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44C-061520 Lab Sample ID: 240-131928-27

Matrix: Water Lab File ID: UXM29294.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:53

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44C-061520 Lab Sample ID: 240-131928-27

Matrix: Water Lab File ID: UXM29294.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:53

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44C-061520 Lab Sample ID: 240-131928-27

Matrix: Water Lab File ID: UXM29294.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:53

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	108		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44C-061520 Lab Sample ID: 240-131928-27

Matrix: Water Lab File ID: UXM29294.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:53

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44C-061520 Lab Sample ID: 240-131928-27

Matrix: Water Lab File ID: UXM29294.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:53

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 06:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29294.D
Lims ID: 240-131928-B-27
Client ID: MSA-SW44C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 06:38:30 ALS Bottle#: 53 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-018
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:27:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1067691	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	858046	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	450563	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	266784	21.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	343283	22.8	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1141224	21.1	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	89	435893	22.0	
9 Dichlorodifluoromethane	85		1.719				ND	
10 Chloromethane	50		1.909				ND	
11 Vinyl chloride	62		2.027				ND	
13 Bromomethane	94		2.371				ND	
14 Chloroethane	64		2.490				ND	
16 Trichlorofluoromethane	101		2.751				ND	
19 1,1-Dichloroethene	96		3.260				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
21 Acetone	58		3.308				ND	
24 Carbon disulfide	76		3.474				ND	
28 Methylene Chloride	84		3.735				ND	
29 2-Methyl-2-propanol	59		3.818				ND	
31 Methyl tert-butyl ether	73		3.972				ND	
32 trans-1,2-Dichloroethene	96		3.984				ND	
35 Vinyl acetate	43		4.363				ND	
34 1,1-Dichloroethane	63		4.375				ND	
36 Isopropyl ether	87		4.399				ND	
38 Tert-butyl ethyl ether	59		4.707				ND	
40 2-Butanone (MEK)	72		4.861				ND	
39 cis-1,2-Dichloroethene	96		4.873				ND	
41 2,2-Dichloropropane	77		4.885				ND	
45 Chlorobromomethane	128		5.087				ND	
47 Chloroform	83		5.158				ND	
48 1,1,1-Trichloroethane	97		5.312				ND	
51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

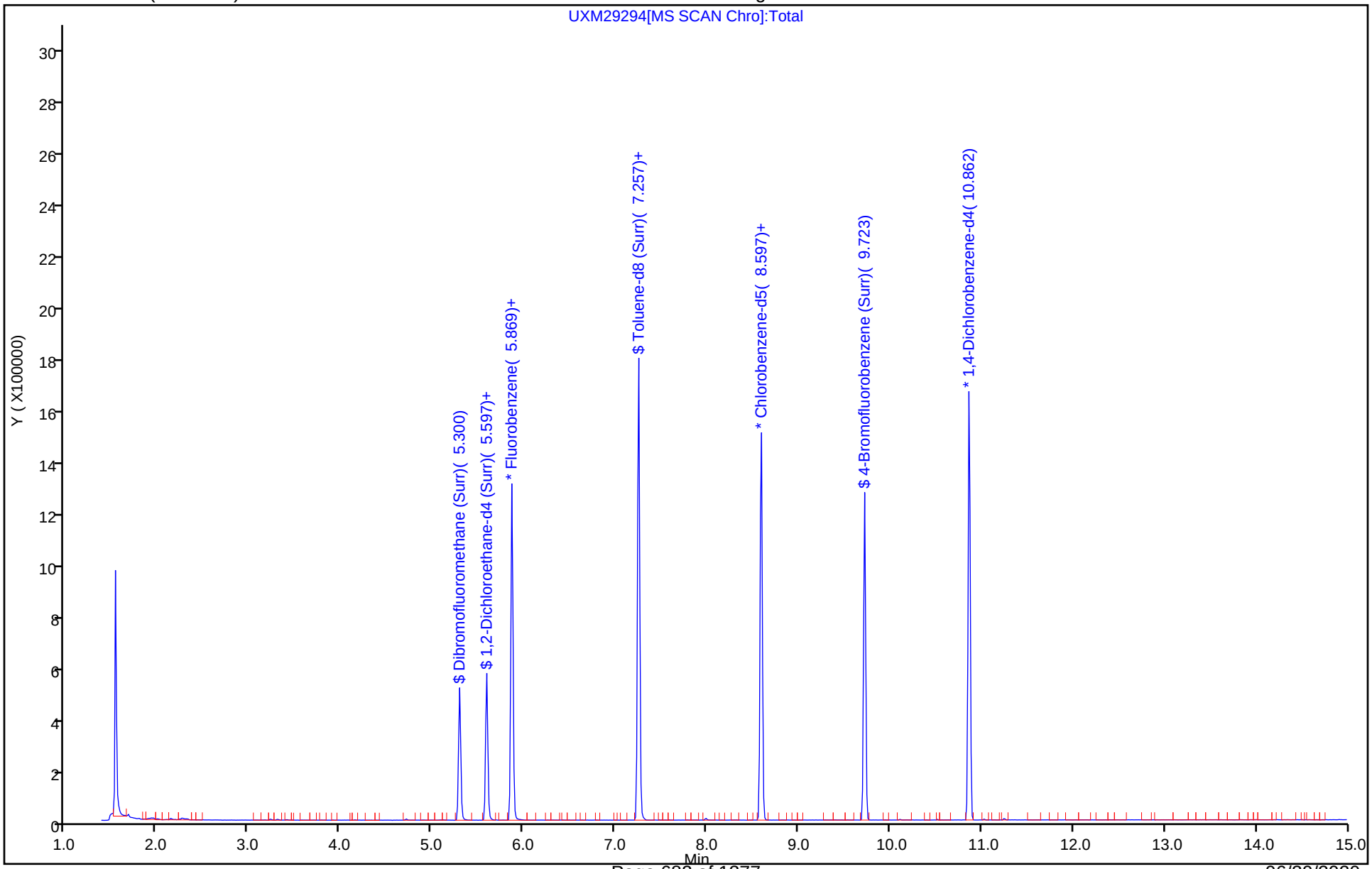
Report Date: 26-Jun-2020 08:27:09 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29294.D

Injection Date:	26-Jun-2020 06:38:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-27	Lab Sample ID:	240-131928-27	Worklist Smp#:	18
Client ID:	MSA-SW44C-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	53
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29294.D
Lims ID: 240-131928-B-27
Client ID: MSA-SW44C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 06:38:30 ALS Bottle#: 53 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-018
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:27:08

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.5	107.64
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.8	113.77
$ 6 Toluene-d8 (Surr)	20.0	21.1	105.73
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.0	109.84

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44D-061520 Lab Sample ID: 240-131928-28

Matrix: Water Lab File ID: UXM29295.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:56

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:02

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44D-061520 Lab Sample ID: 240-131928-28

Matrix: Water Lab File ID: UXM29295.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:56

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:02

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44D-061520 Lab Sample ID: 240-131928-28

Matrix: Water Lab File ID: UXM29295.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:56

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:02

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	105		69-122
1868-53-7	Dibromofluoromethane (Surr)	109		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44D-061520 Lab Sample ID: 240-131928-28

Matrix: Water Lab File ID: UXM29295.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:56

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:02

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW44D-061520 Lab Sample ID: 240-131928-28

Matrix: Water Lab File ID: UXM29295.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:56

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:02

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29295.D
Lims ID: 240-131928-B-28
Client ID: MSA-SW44D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 07:02:30 ALS Bottle#: 54 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-019
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:27:38

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1053447	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	843123	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	441605	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	265520	21.7	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	339361	22.8	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1110318	20.9	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	427809	21.9	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

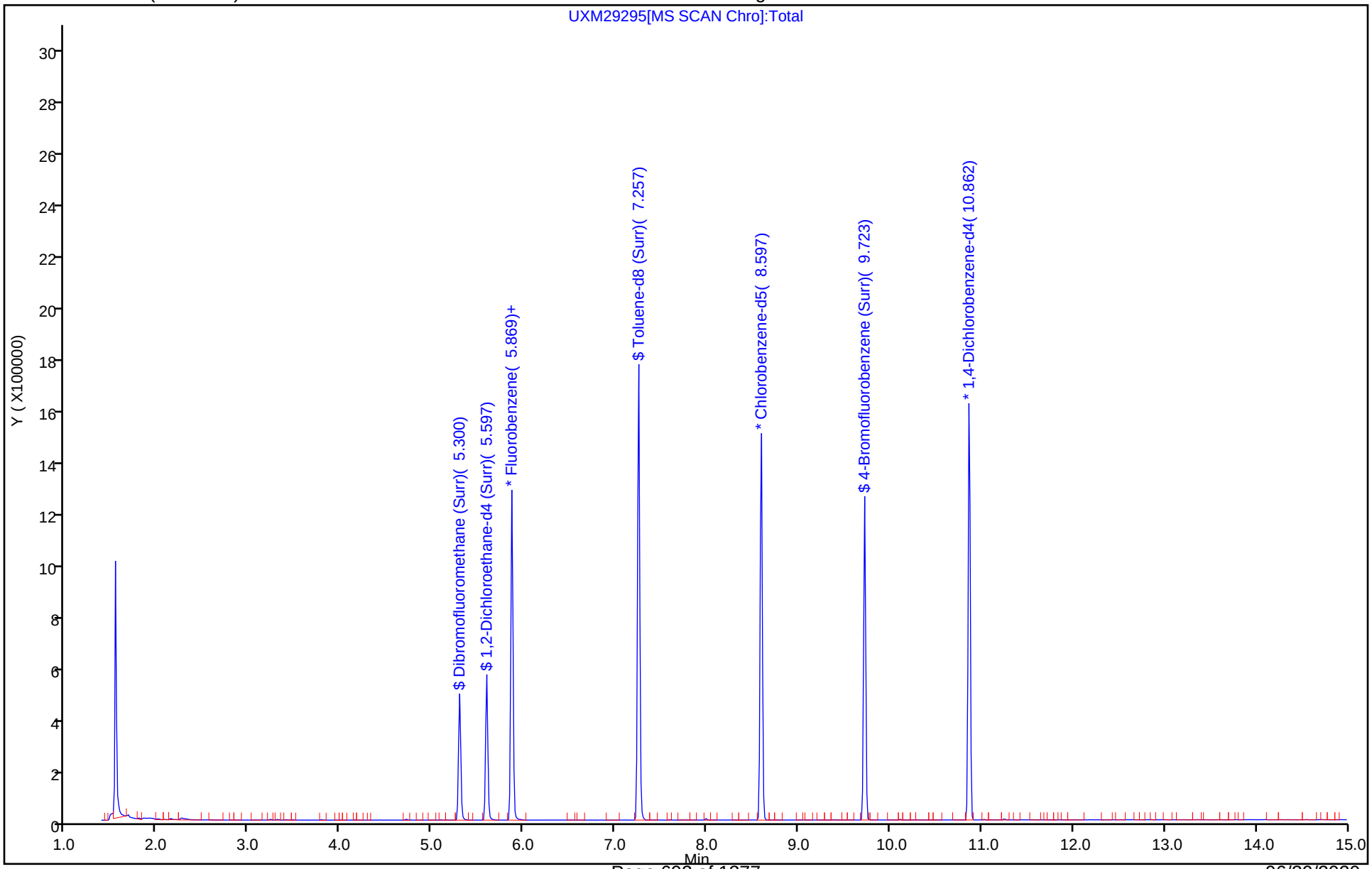
Report Date: 26-Jun-2020 08:27:38 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29295.D

Injection Date:	26-Jun-2020 07:02:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-28	Lab Sample ID:	240-131928-28	Worklist Smp#:	19
Client ID:	MSA-SW44D-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	54
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29295.D
Lims ID: 240-131928-B-28
Client ID: MSA-SW44D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 07:02:30 ALS Bottle#: 54 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-019
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:27:38

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.7	108.57
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.8	113.99
$ 6 Toluene-d8 (Surr)	20.0	20.9	104.69
$ 7 4-Bromofluorobenzene (Surr)	20.0	21.9	109.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: TB--061520 Lab Sample ID: 240-131928-29

Matrix: Water Lab File ID: UXM29296.D

Analysis Method: 8260C Date Collected: 06/15/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:26

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: TB--061520 Lab Sample ID: 240-131928-29

Matrix: Water Lab File ID: UXM29296.D

Analysis Method: 8260C Date Collected: 06/15/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:26

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: TB--061520 Lab Sample ID: 240-131928-29

Matrix: Water Lab File ID: UXM29296.D

Analysis Method: 8260C Date Collected: 06/15/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:26

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	105		69-122
1868-53-7	Dibromofluoromethane (Surr)	112		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: TB--061520 Lab Sample ID: 240-131928-29

Matrix: Water Lab File ID: UXM29296.D

Analysis Method: 8260C Date Collected: 06/15/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:26

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: TB--061520 Lab Sample ID: 240-131928-29

Matrix: Water Lab File ID: UXM29296.D

Analysis Method: 8260C Date Collected: 06/15/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:26

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29296.D
Lims ID: 240-131928-B-29
Client ID: TB--061520
Sample Type: Client
Inject. Date: 26-Jun-2020 07:26:30 ALS Bottle#: 55 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-020
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:30:02

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1040872	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	845631	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	443887	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	270369	22.4	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	341205	23.2	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1117010	21.0	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	431028	22.0	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

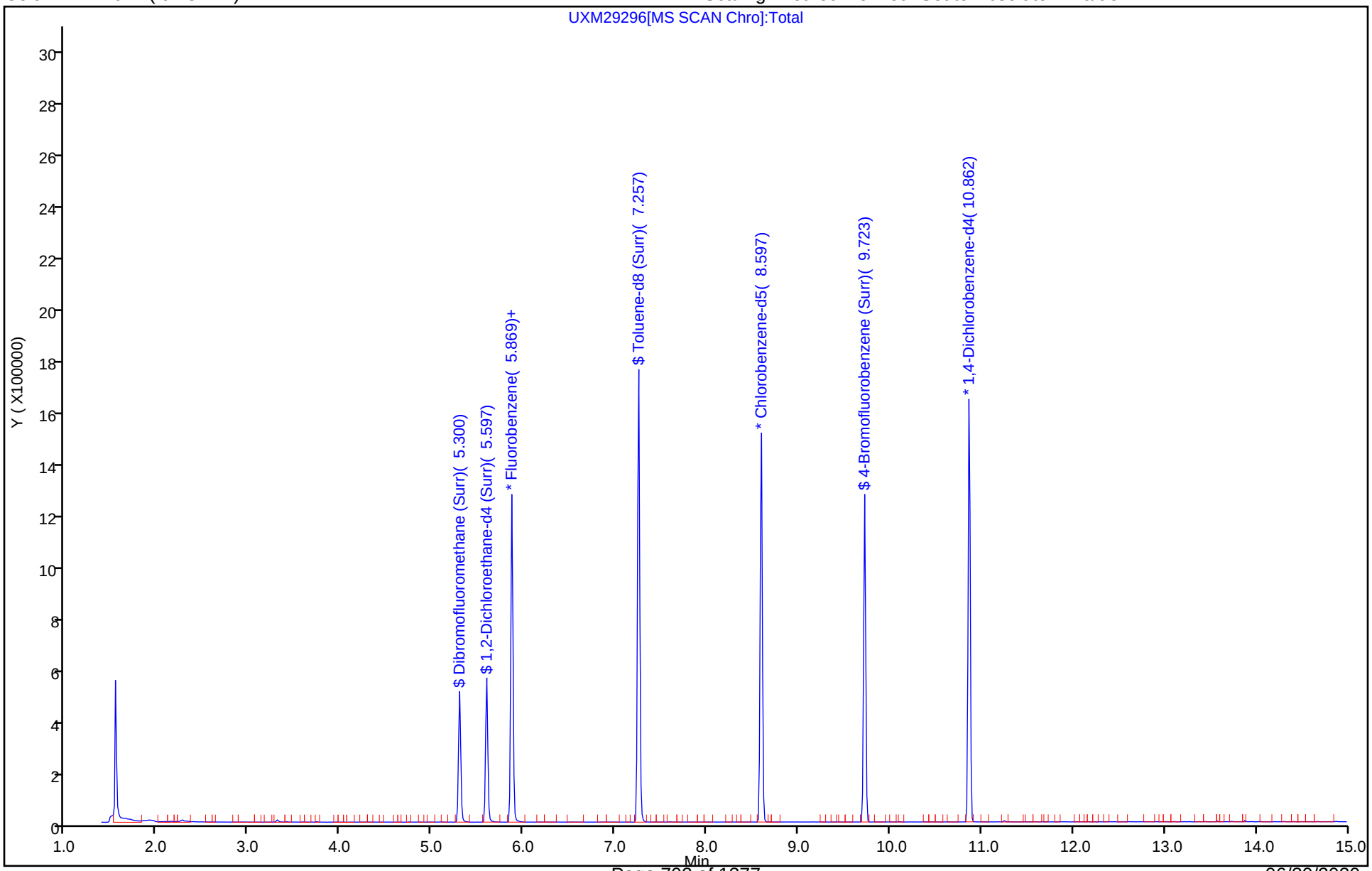
Report Date: 26-Jun-2020 08:30:02 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29296.D

Injection Date:	26-Jun-2020 07:26:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-29	Lab Sample ID:	240-131928-29	Worklist Smp#:	20
Client ID:	TB--061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	55
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29296.D
Lims ID: 240-131928-B-29
Client ID: TB--061520
Sample Type: Client
Inject. Date: 26-Jun-2020 07:26:30 ALS Bottle#: 55 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-020
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:30:02

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	22.4	111.89
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.2	115.99
$ 6 Toluene-d8 (Surr)	20.0	21.0	105.01
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.0	110.21

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW46A-061520 Lab Sample ID: 240-131928-30

Matrix: Water Lab File ID: UXM29297.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:51

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroeth ane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW46A-061520 Lab Sample ID: 240-131928-30

Matrix: Water Lab File ID: UXM29297.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:51

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW46A-061520 Lab Sample ID: 240-131928-30

Matrix: Water Lab File ID: UXM29297.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:51

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		75-130
460-00-4	4-Bromofluorobenzene (Surr)	113		47-134
2037-26-5	Toluene-d8 (Surr)	107		69-122
1868-53-7	Dibromofluoromethane (Surr)	112		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW46A-061520 Lab Sample ID: 240-131928-30

Matrix: Water Lab File ID: UXM29297.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:51

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW46A-061520 Lab Sample ID: 240-131928-30

Matrix: Water Lab File ID: UXM29297.D

Analysis Method: 8260C Date Collected: 06/15/2020 12:02

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 07:51

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29297.D
Lims ID: 240-131928-B-30
Client ID: MSA-SW46A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 07:51:30 ALS Bottle#: 56 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-021
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:30:35

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1066652	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	858463	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	449253	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	278463	22.5	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	350974	23.3	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1157756	21.4	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	448024	22.6	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

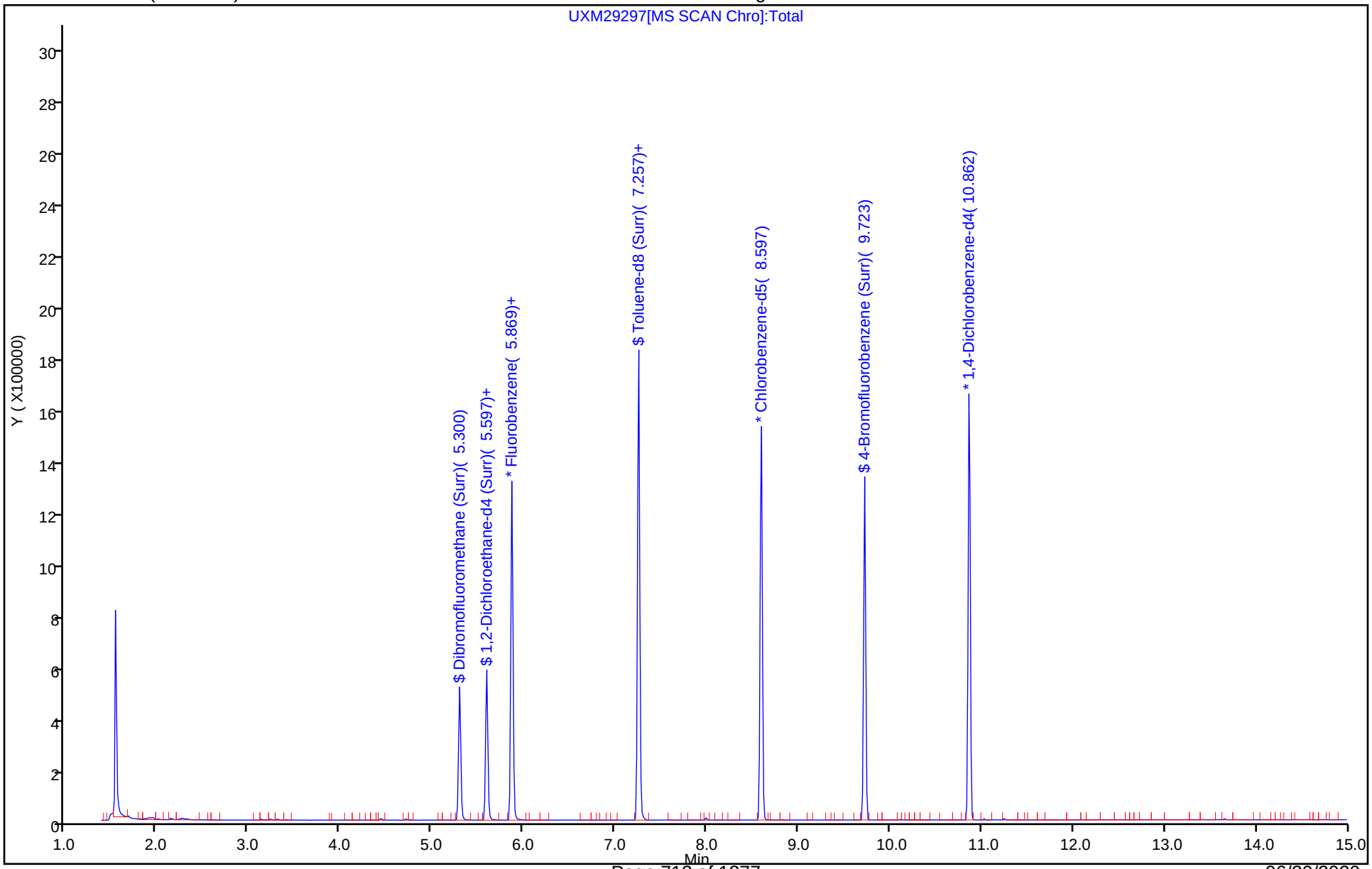
Report Date: 26-Jun-2020 08:30:36 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29297.D

Injection Date:	26-Jun-2020 07:51:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-30	Lab Sample ID:	240-131928-30	Worklist Smp#:	21
Client ID:	MSA-SW46A-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	56
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29297.D
Lims ID: 240-131928-B-30
Client ID: MSA-SW46A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 07:51:30 ALS Bottle#: 56 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-021
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:22:14 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:30:35

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	22.5	112.46
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.3	116.43
$ 6 Toluene-d8 (Surr)	20.0	21.4	107.21
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.6	112.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW47A-061520 Lab Sample ID: 240-131928-31

Matrix: Water Lab File ID: UXM29298.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:47

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:16

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW47A-061520 Lab Sample ID: 240-131928-31

Matrix: Water Lab File ID: UXM29298.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:47

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:16

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW47A-061520 Lab Sample ID: 240-131928-31

Matrix: Water Lab File ID: UXM29298.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:47

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:16

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		75-130
460-00-4	4-Bromofluorobenzene (Surr)	111		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	112		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW47A-061520 Lab Sample ID: 240-131928-31

Matrix: Water Lab File ID: UXM29298.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:47

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:16

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW47A-061520 Lab Sample ID: 240-131928-31

Matrix: Water Lab File ID: UXM29298.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:47

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:16

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29298.D
Lims ID: 240-131928-B-31
Client ID: MSA-SW47A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 08:16:30 ALS Bottle#: 57 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-022
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 07:21:59 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 09:35:57

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1014530	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	822274	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	97	430387	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	264076	22.4	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	333650	23.3	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1092133	21.1	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	422741	22.2	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

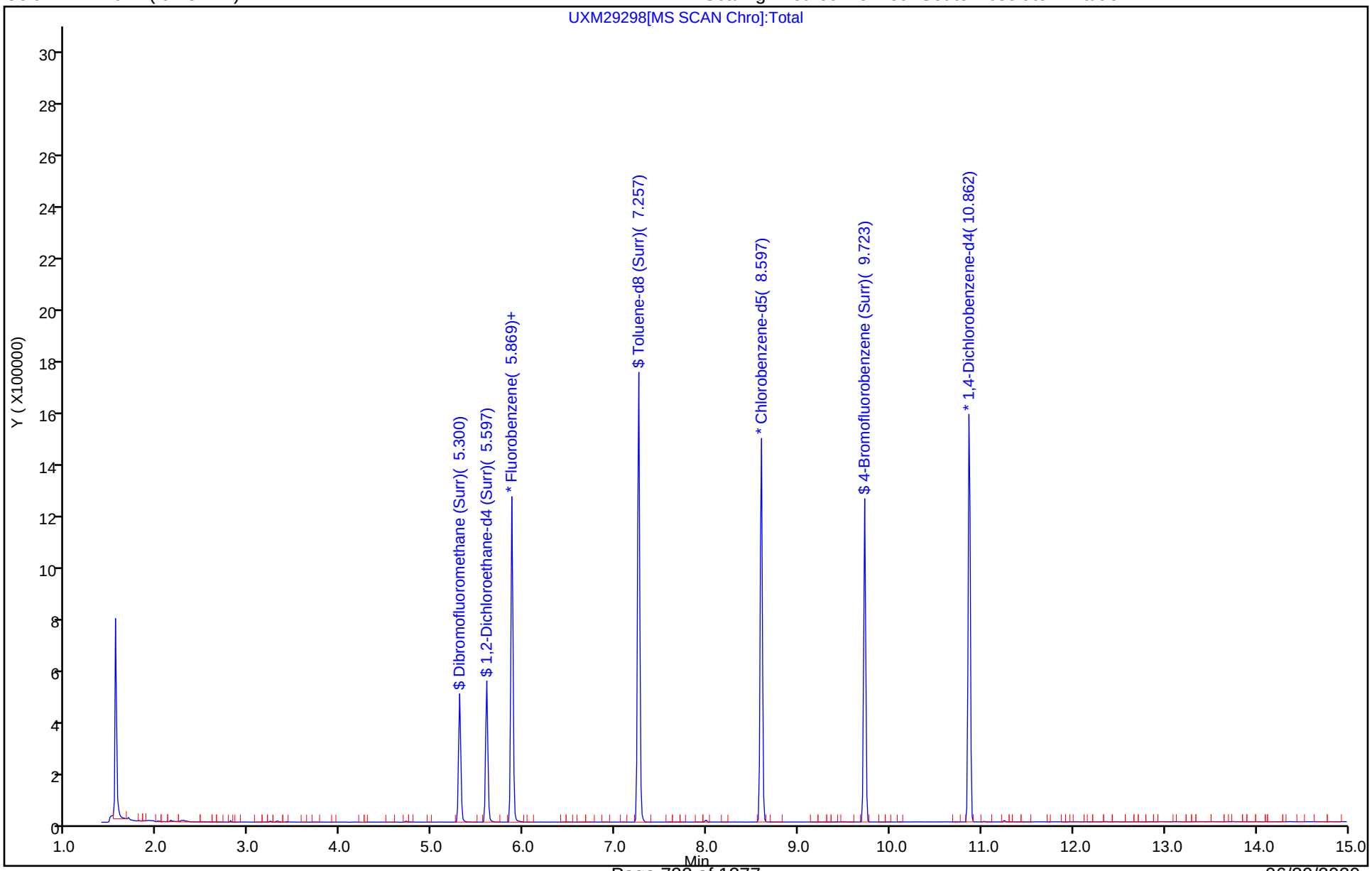
Report Date: 26-Jun-2020 09:35:57 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29298.D

Injection Date:	26-Jun-2020 08:16:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-31	Lab Sample ID:	240-131928-31	Worklist Smp#:	22
Client ID:	MSA-SW47A-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	57
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29298.D
Lims ID: 240-131928-B-31
Client ID: MSA-SW47A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 08:16:30 ALS Bottle#: 57 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-022
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 07:21:59 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 09:35:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	22.4	112.13
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.3	116.37
$ 6 Toluene-d8 (Surr)	20.0	21.1	105.59
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.2	111.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW48A-061520 Lab Sample ID: 240-131928-32

Matrix: Water Lab File ID: UXM29299.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:33

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:41

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW48A-061520 Lab Sample ID: 240-131928-32

Matrix: Water Lab File ID: UXM29299.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:33

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:41

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW48A-061520 Lab Sample ID: 240-131928-32

Matrix: Water Lab File ID: UXM29299.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:33

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:41

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	105		69-122
1868-53-7	Dibromofluoromethane (Surr)	109		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW48A-061520 Lab Sample ID: 240-131928-32

Matrix: Water Lab File ID: UXM29299.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:33

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:41

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW48A-061520 Lab Sample ID: 240-131928-32

Matrix: Water Lab File ID: UXM29299.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:33

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 08:41

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29299.D
Lims ID: 240-131928-B-32
Client ID: MSA-SW48A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 08:41:30 ALS Bottle#: 58 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-023
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 07:21:59 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 09:36:15

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1047580	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	842901	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	433973	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	265979	21.9	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	339897	23.0	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1111098	21.0	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	428454	22.0	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

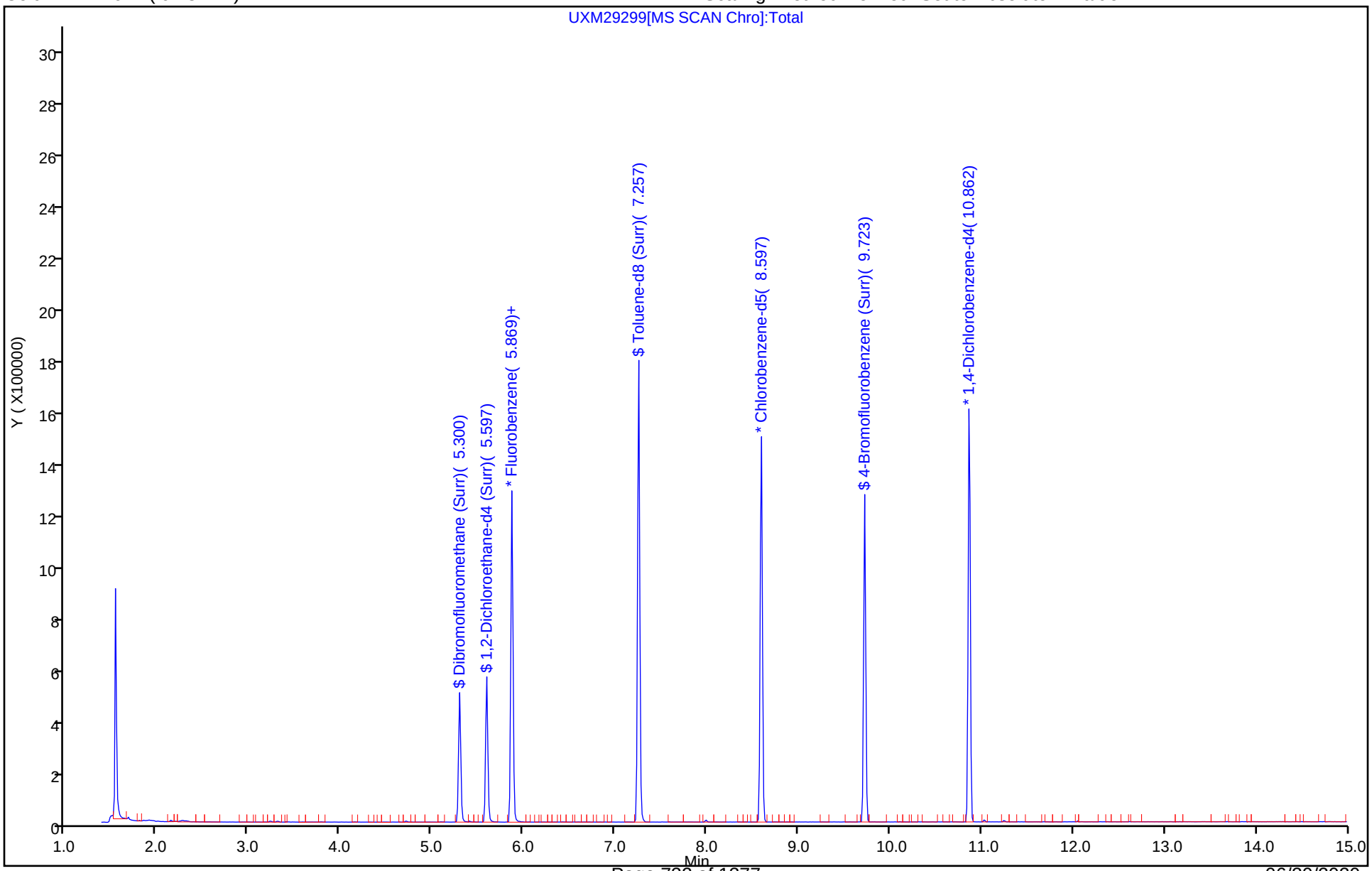
Report Date: 26-Jun-2020 09:36:15 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29299.D

Injection Date:	26-Jun-2020 08:41:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-32	Lab Sample ID:	240-131928-32	Worklist Smp#:	23
Client ID:	MSA-SW48A-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	58
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29299.D
Lims ID: 240-131928-B-32
Client ID: MSA-SW48A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 08:41:30 ALS Bottle#: 58 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-023
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 07:21:59 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 09:36:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.9	109.37
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.0	114.81
$ 6 Toluene-d8 (Surr)	20.0	21.0	104.79
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.0	109.91

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW49A--061520 Lab Sample ID: 240-131928-33

Matrix: Water Lab File ID: UXM29300.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:05

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW49A--061520 Lab Sample ID: 240-131928-33

Matrix: Water Lab File ID: UXM29300.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:05

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW49A--061520 Lab Sample ID: 240-131928-33

Matrix: Water Lab File ID: UXM29300.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:05

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		75-130
460-00-4	4-Bromofluorobenzene (Surr)	109		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	109		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW49A--061520 Lab Sample ID: 240-131928-33

Matrix: Water Lab File ID: UXM29300.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:05

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: MSA-SW49A--061520 Lab Sample ID: 240-131928-33

Matrix: Water Lab File ID: UXM29300.D

Analysis Method: 8260C Date Collected: 06/15/2020 11:15

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:05

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29300.D
Lims ID: 240-131928-B-33
Client ID: MSA-SW49A--061520
Sample Type: Client
Inject. Date: 26-Jun-2020 09:05:30 ALS Bottle#: 59 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-024
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 07:21:59 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 09:36:53

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1036779	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	831387	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	433200	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	263190	21.9	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	339212	23.2	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1106137	21.2	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	417517	21.7	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

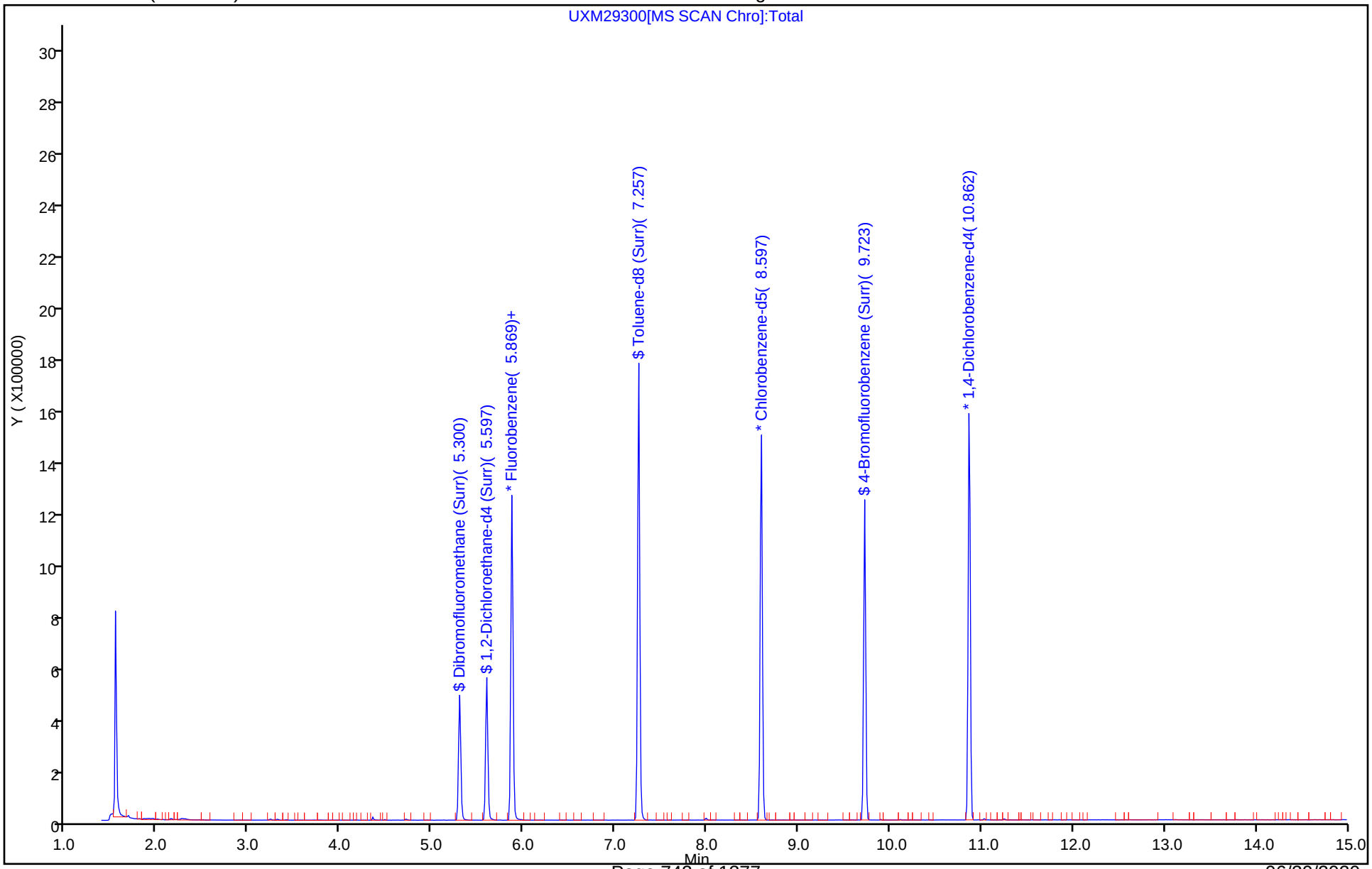
Report Date: 26-Jun-2020 09:36:53 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29300.D

Injection Date:	26-Jun-2020 09:05:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-33	Lab Sample ID:	240-131928-33	Worklist Smp#:	24
Client ID:	MSA-SW49A--061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	59
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29300.D
Lims ID: 240-131928-B-33
Client ID: MSA-SW49A--061520
Sample Type: Client
Inject. Date: 26-Jun-2020 09:05:30 ALS Bottle#: 59 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-024
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 07:21:59 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 09:36:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.9	109.35
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.2	115.77
$ 6 Toluene-d8 (Surr)	20.0	21.2	105.77
$ 7 4-Bromofluorobenzene (Surr)	20.0	21.7	108.59

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01A-061520 Lab Sample ID: 240-131928-34

Matrix: Water Lab File ID: UXM29301.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:28

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:30

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01A-061520 Lab Sample ID: 240-131928-34

Matrix: Water Lab File ID: UXM29301.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:28

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:30

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01A-061520 Lab Sample ID: 240-131928-34

Matrix: Water Lab File ID: UXM29301.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:28

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:30

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	108		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01A-061520 Lab Sample ID: 240-131928-34

Matrix: Water Lab File ID: UXM29301.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:28

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:30

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01A-061520 Lab Sample ID: 240-131928-34

Matrix: Water Lab File ID: UXM29301.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:28

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:30

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29301.D
Lims ID: 240-131928-B-34
Client ID: EL-SW01A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 09:30:30 ALS Bottle#: 60 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-025
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 07:48:21 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 09:48:55

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1107092	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	887097	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	458544	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	278172	21.6	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.597	-0.001	98	354623	22.7	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1178163	21.1	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	450573	22.0	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91	7.316	7.316	0.000	98	7239	0.1098	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

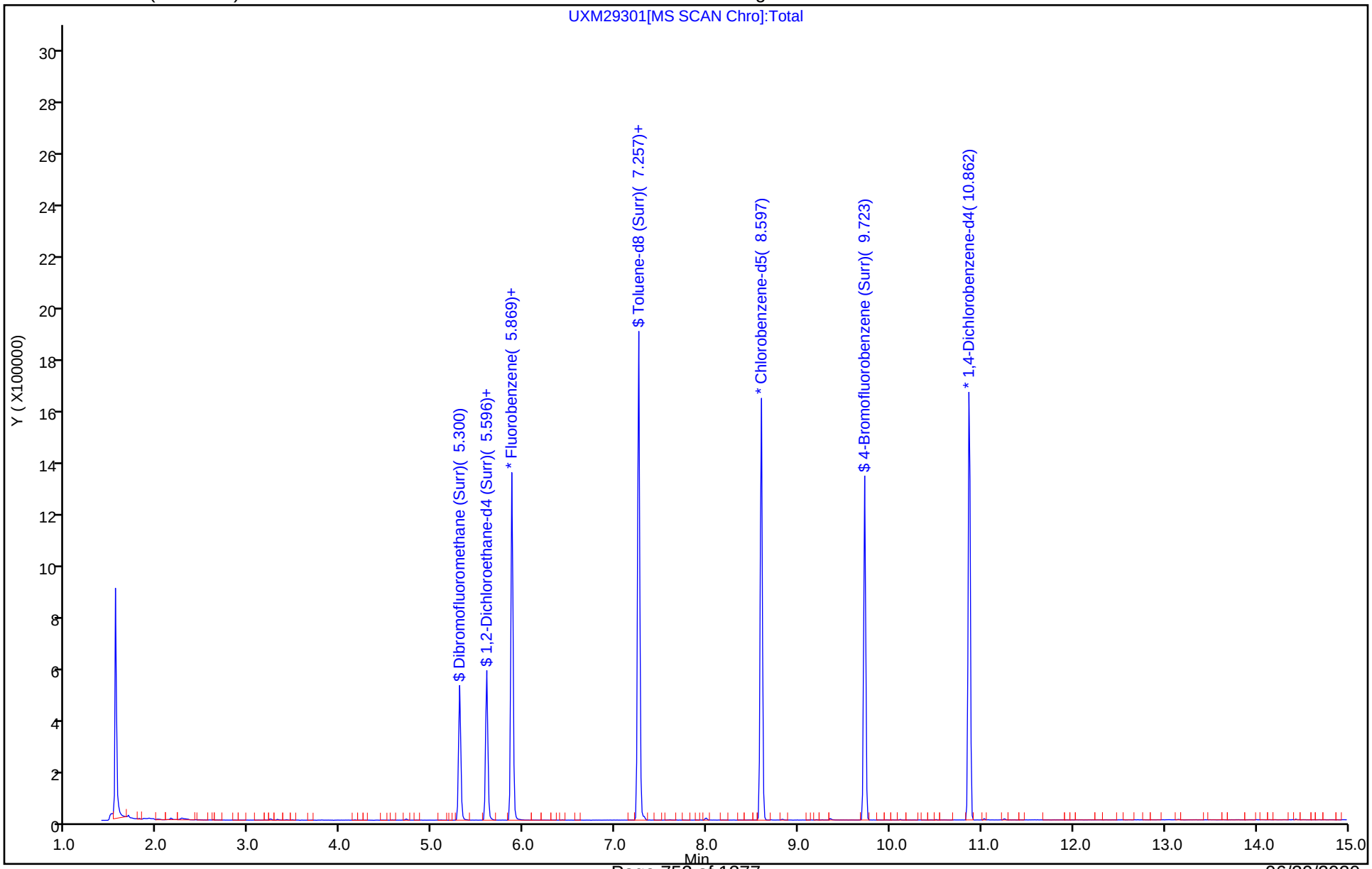
Report Date: 26-Jun-2020 09:48:55 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29301.D

Injection Date:	26-Jun-2020 09:30:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-34	Lab Sample ID:	240-131928-34	Worklist Smp#:	25
Client ID:	EL-SW01A-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	60
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29301.D
Lims ID: 240-131928-B-34
Client ID: EL-SW01A-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 09:30:30 ALS Bottle#: 60 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-025
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 07:48:21 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 09:48:55

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.6	108.24
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.7	113.34
$ 6 Toluene-d8 (Surr)	20.0	21.1	105.58
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.0	109.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01B-061520 Lab Sample ID: 240-131928-35

Matrix: Water Lab File ID: UXM29302.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:31

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:55

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01B-061520 Lab Sample ID: 240-131928-35

Matrix: Water Lab File ID: UXM29302.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:31

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:55

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01B-061520 Lab Sample ID: 240-131928-35

Matrix: Water Lab File ID: UXM29302.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:31

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:55

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		75-130
460-00-4	4-Bromofluorobenzene (Surr)	111		47-134
2037-26-5	Toluene-d8 (Surr)	107		69-122
1868-53-7	Dibromofluoromethane (Surr)	110		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01B-061520 Lab Sample ID: 240-131928-35

Matrix: Water Lab File ID: UXM29302.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:31

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:55

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01B-061520 Lab Sample ID: 240-131928-35

Matrix: Water Lab File ID: UXM29302.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:31

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 09:55

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29302.D
Lims ID: 240-131928-B-35
Client ID: EL-SW01B-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 09:55:30 ALS Bottle#: 61 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-026
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:11:52 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 10:15:29

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1056974	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	836880	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	436812	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	270250	22.0	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.597	-0.001	98	340207	22.8	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1121990	21.3	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	89	430584	22.3	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

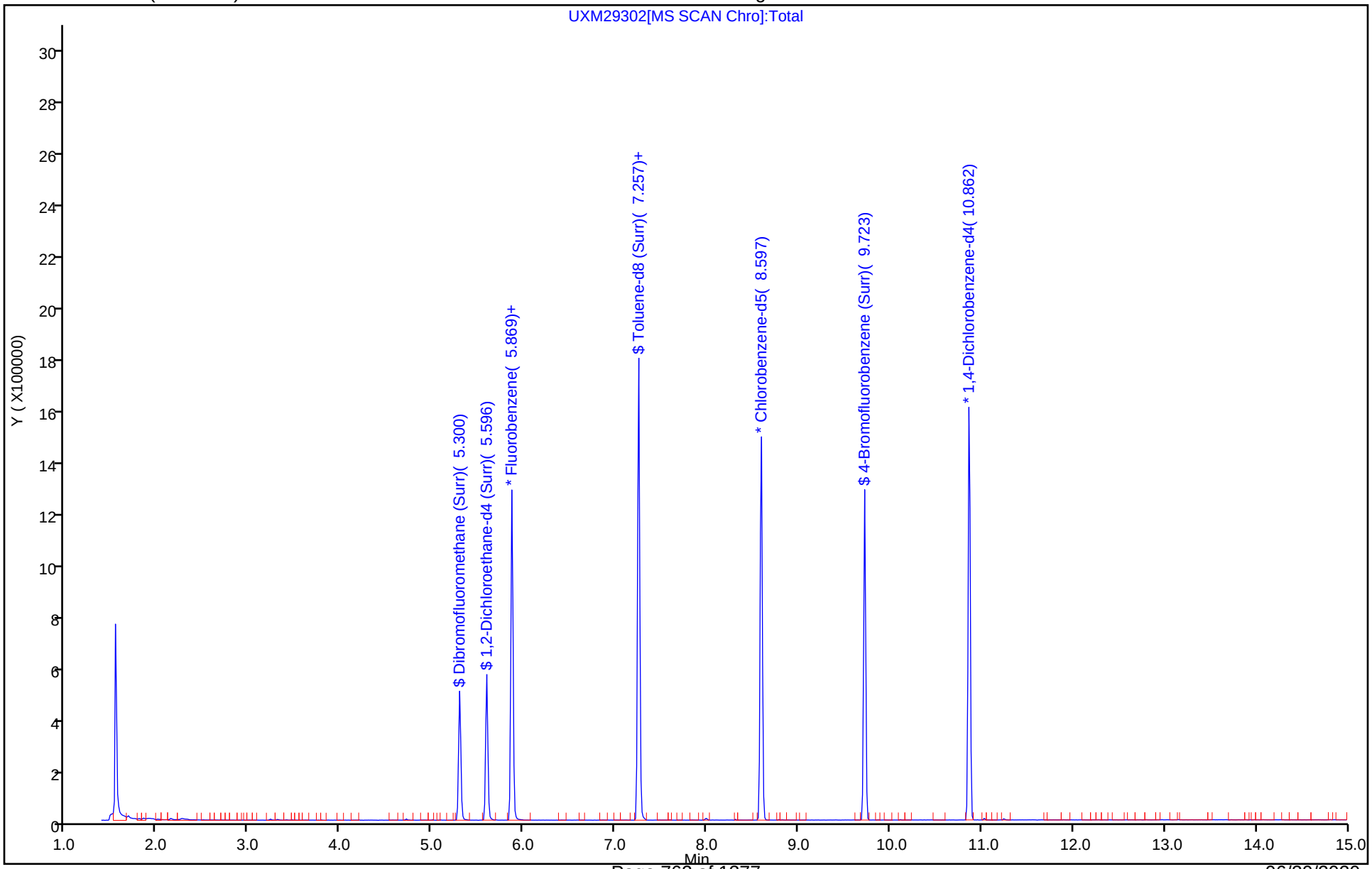
Report Date: 26-Jun-2020 10:15:29 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29302.D

Injection Date:	26-Jun-2020 09:55:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-35	Lab Sample ID:	240-131928-35	Worklist Smp#:	26
Client ID:	EL-SW01B-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	61
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29302.D
Lims ID: 240-131928-B-35
Client ID: EL-SW01B-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 09:55:30 ALS Bottle#: 61 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-026
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:11:52 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 10:15:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	22.0	110.14
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.8	113.89
$ 6 Toluene-d8 (Surr)	20.0	21.3	106.58
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.3	111.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01C-061520 Lab Sample ID: 240-131928-36

Matrix: Water Lab File ID: UXM29303.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:34

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01C-061520 Lab Sample ID: 240-131928-36

Matrix: Water Lab File ID: UXM29303.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:34

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01C-061520 Lab Sample ID: 240-131928-36

Matrix: Water Lab File ID: UXM29303.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:34

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	105		69-122
1868-53-7	Dibromofluoromethane (Surr)	111		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01C-061520 Lab Sample ID: 240-131928-36

Matrix: Water Lab File ID: UXM29303.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:34

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:19

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01C-061520 Lab Sample ID: 240-131928-36

Matrix: Water Lab File ID: UXM29303.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:34

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:19

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29303.D
Lims ID: 240-131928-B-36
Client ID: EL-SW01C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 10:19:30 ALS Bottle#: 62 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-027
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:37:37 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 10:40:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1057719	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	858397	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	450255	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	272563	22.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.597	-0.001	98	345615	23.1	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1138654	21.1	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	438108	22.1	
9 Dichlorodifluoromethane	85		1.719				ND	
10 Chloromethane	50		1.909				ND	
11 Vinyl chloride	62		2.027				ND	
13 Bromomethane	94		2.371				ND	
14 Chloroethane	64		2.490				ND	
16 Trichlorofluoromethane	101		2.751				ND	
19 1,1-Dichloroethene	96		3.260				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
21 Acetone	58		3.308				ND	
24 Carbon disulfide	76		3.474				ND	
28 Methylene Chloride	84		3.735				ND	
29 2-Methyl-2-propanol	59		3.818				ND	
31 Methyl tert-butyl ether	73		3.972				ND	
32 trans-1,2-Dichloroethene	96		3.984				ND	
35 Vinyl acetate	43		4.363				ND	
34 1,1-Dichloroethane	63		4.375				ND	
36 Isopropyl ether	87		4.399				ND	
38 Tert-butyl ethyl ether	59		4.707				ND	
40 2-Butanone (MEK)	72		4.861				ND	
39 cis-1,2-Dichloroethene	96		4.873				ND	
41 2,2-Dichloropropane	77		4.885				ND	
45 Chlorobromomethane	128		5.087				ND	
47 Chloroform	83		5.158				ND	
48 1,1,1-Trichloroethane	97		5.312				ND	
51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

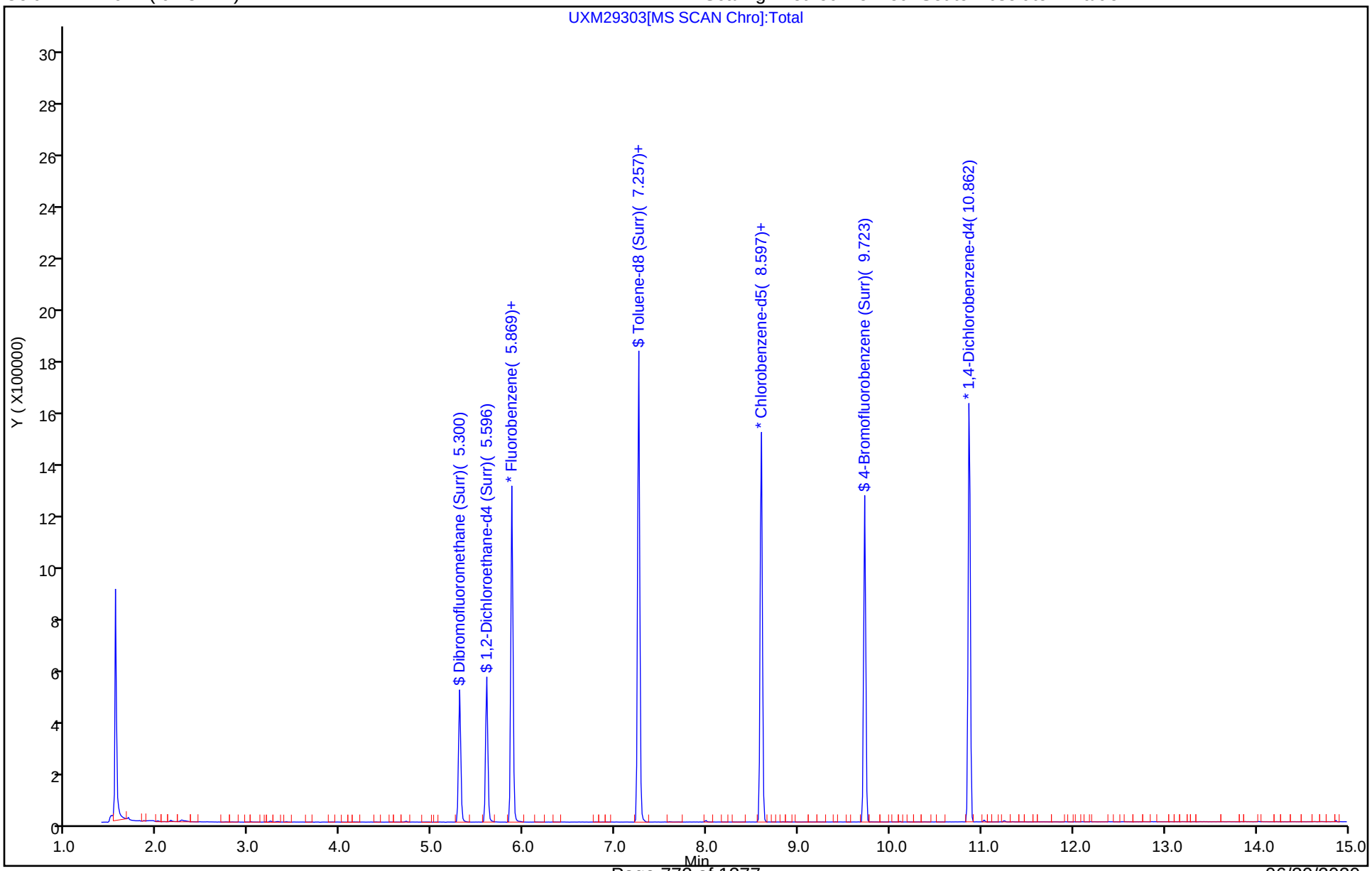
Report Date: 26-Jun-2020 10:40:01 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29303.D

Injection Date:	26-Jun-2020 10:19:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-36	Lab Sample ID:	240-131928-36	Worklist Smp#:	27
Client ID:	EL-SW01C-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	62
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29303.D
Lims ID: 240-131928-B-36
Client ID: EL-SW01C-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 10:19:30 ALS Bottle#: 62 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-027
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:37:37 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 10:40:00

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	22.2	111.00
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.1	115.62
$ 6 Toluene-d8 (Surr)	20.0	21.1	105.45
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.1	110.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01D-061520 Lab Sample ID: 240-131928-37

Matrix: Water Lab File ID: UXM29304.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:44

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01D-061520 Lab Sample ID: 240-131928-37

Matrix: Water Lab File ID: UXM29304.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:44

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01D-061520 Lab Sample ID: 240-131928-37

Matrix: Water Lab File ID: UXM29304.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:44

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		75-130
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
2037-26-5	Toluene-d8 (Surr)	105		69-122
1868-53-7	Dibromofluoromethane (Surr)	108		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01D-061520 Lab Sample ID: 240-131928-37

Matrix: Water Lab File ID: UXM29304.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:44

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.: 440070 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
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: EL-SW01D-061520 Lab Sample ID: 240-131928-37

Matrix: Water Lab File ID: UXM29304.D

Analysis Method: 8260C Date Collected: 06/15/2020 10:36

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 10:44

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.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
75-45-6	Chlorodifluoromethane TIC		1.0	U	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29304.D
Lims ID: 240-131928-B-37
Client ID: EL-SW01D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 10:44:30 ALS Bottle#: 63 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-028
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 09:02:03 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 11:20:53

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.869	5.869	0.000	99	1062730	20.0	
*	2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	854194	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	444940	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	93	265394	21.5	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.597	-0.001	98	342896	22.8	
$	6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1123633	20.9	
$	7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	432771	21.9	
	9 Dichlorodifluoromethane	85		1.719				ND	
	10 Chloromethane	50		1.909				ND	
	11 Vinyl chloride	62		2.027				ND	
	13 Bromomethane	94		2.371				ND	
	14 Chloroethane	64		2.490				ND	
	16 Trichlorofluoromethane	101		2.751				ND	
	19 1,1-Dichloroethene	96		3.260				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	
	21 Acetone	58		3.308				ND	
	24 Carbon disulfide	76		3.474				ND	
	28 Methylene Chloride	84		3.735				ND	
	29 2-Methyl-2-propanol	59		3.818				ND	
	31 Methyl tert-butyl ether	73		3.972				ND	
	32 trans-1,2-Dichloroethene	96		3.984				ND	
	35 Vinyl acetate	43		4.363				ND	
	34 1,1-Dichloroethane	63		4.375				ND	
	36 Isopropyl ether	87		4.399				ND	
	38 Tert-butyl ethyl ether	59		4.707				ND	
	40 2-Butanone (MEK)	72		4.861				ND	
	39 cis-1,2-Dichloroethene	96		4.873				ND	
	41 2,2-Dichloropropane	77		4.885				ND	
	45 Chlorobromomethane	128		5.087				ND	
	47 Chloroform	83		5.158				ND	
	48 1,1,1-Trichloroethane	97		5.312				ND	
	51 Carbon tetrachloride	117		5.442				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.442				ND	
54 Benzene	78		5.620				ND	
53 1,2-Dichloroethane	62		5.656				ND	
55 Tert-amyl methyl ether	73		5.715				ND	
58 Trichloroethene	130		6.178				ND	
61 1,2-Dichloropropane	63		6.403				ND	
63 Dibromomethane	93		6.486				ND	
65 Dichlorobromomethane	83		6.628				ND	
67 2-Chloroethyl vinyl ether	63		6.865				ND	
68 cis-1,3-Dichloropropene	75		7.008				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126				ND	
70 Toluene	91		7.316				ND	
71 trans-1,3-Dichloropropene	75		7.518				ND	
75 Tetrachloroethene	164		7.790				ND	
74 1,3-Dichloropropane	76		7.850				ND	
76 2-Hexanone	43		7.885				ND	
78 Chlorodibromomethane	129		8.051				ND	
80 Ethylene Dibromide	107		8.170				ND	
82 Chlorobenzene	112		8.621				ND	
84 Ethylbenzene	106		8.704				ND	
83 1,1,1,2-Tetrachloroethane	131		8.704				ND	
85 m-Xylene & p-Xylene	106		8.822				ND	
86 o-Xylene	106		9.202				ND	
87 Styrene	104		9.213				ND	
88 Bromoform	173		9.403				ND	
89 Isopropylbenzene	105		9.545				ND	
92 1,1,2,2-Tetrachloroethane	83		9.842				ND	
93 Bromobenzene	156		9.866				ND	
95 1,2,3-Trichloropropane	110		9.913				ND	
96 N-Propylbenzene	120		9.949				ND	
97 2-Chlorotoluene	126		10.055				ND	
100 4-Chlorotoluene	126		10.174				ND	
102 tert-Butylbenzene	119		10.447				ND	
104 1,2,4-Trimethylbenzene	105		10.506				ND	
105 sec-Butylbenzene	105		10.660				ND	
106 1,3-Dichlorobenzene	146		10.791				ND	
107 4-Isopropyltoluene	119		10.814				ND	
108 1,4-Dichlorobenzene	146		10.885				ND	
109 1,2,3-Trimethylbenzene	105		10.909				ND	
111 n-Butylbenzene	91		11.218				ND	
112 1,2-Dichlorobenzene	146		11.253				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	
115 1,2,4-Trichlorobenzene	180		12.866				ND	
116 Hexachlorobutadiene	225		13.008				ND	
117 Naphthalene	128		13.150				ND	
118 1,2,3-Trichlorobenzene	180		13.399				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.944				ND	

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

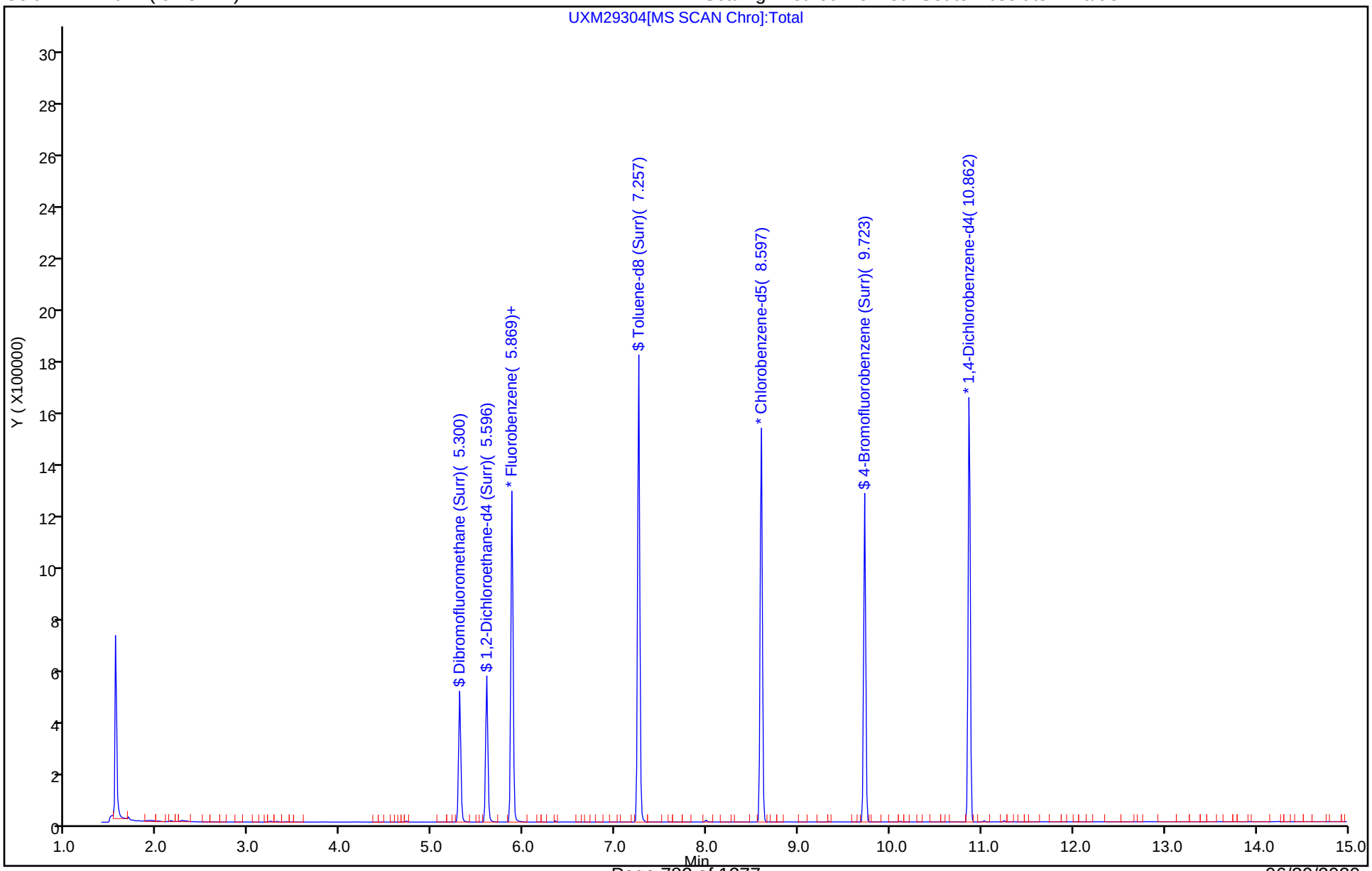
Report Date: 26-Jun-2020 11:20:55 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29304.D

Injection Date:	26-Jun-2020 10:44:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-131928-B-37	Lab Sample ID:	240-131928-37	Worklist Smp#:	28
Client ID:	EL-SW01D-061520				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	63
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29304.D
Lims ID: 240-131928-B-37
Client ID: EL-SW01D-061520
Sample Type: Client
Inject. Date: 26-Jun-2020 10:44:30 ALS Bottle#: 63 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-028
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 09:02:03 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 11:20:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.5	107.58
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.8	114.17
$ 6 Toluene-d8 (Surr)	20.0	20.9	104.57
$ 7 4-Bromofluorobenzene (Surr)	20.0	21.9	109.55

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-378870/14	U1269801.D
Level 2	STD8260 240-378870/13	U1269800.D
Level 3	STD8260 240-378870/12	U1269799.D
Level 4	ICIS 240-378870/11	U1269798.D
Level 5	STD8260 240-378870/10	U1269797.D
Level 6	STD8260 240-378870/9	U1269796.D
Level 7	STD8260 240-378870/8	U1269795.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3633 0.4173	0.3307 0.4106	0.3625	0.3979	0.4130	Ave		0.3850			0.1000	8.6		20.0			
Chloromethane	+++++ 0.3349	0.3157 0.3582	0.3458	0.3237	0.3462	Ave		0.3374			0.1000	4.7		20.0			
Butadiene	0.3642 0.3859	0.3535 0.3787	0.3596	0.3692	0.3849	Ave		0.3709				3.4		20.0			
Vinyl chloride	0.3531 0.3876	0.3746 0.3870	0.3765	0.3716	0.3891	Ave		0.3771			0.1000	3.4		20.0			
Bromomethane	0.2359 0.2352	0.2527 0.1909	0.2447	0.2332	0.2368	Ave		0.2328			0.0500	8.5		20.0			
Chloroethane	0.2531 0.2446	0.2455 0.2027	0.2395	0.2349	0.2376	Ave		0.2368			0.0500	6.8		20.0			
Dichlorofluoromethane	0.4736 0.4813	0.4798 0.4585	0.4834	0.4616	0.4743	Ave		0.4732				2.1		20.0			
Trichlorofluoromethane	0.4112 0.4427	0.3928 0.4146	0.4217	0.4207	0.4388	Ave		0.4204			0.1000	4.0		20.0			
Ethyl ether	0.2685 0.2474	0.2624 0.2312	0.2543	0.2471	0.2570	Ave		0.2526				4.8		20.0			
Acrolein	0.0778 0.0735	0.0754 +++++	0.0774	0.0729	0.0759	Ave		0.0755				2.7		20.0			
1,1-Dichloroethene	0.4303 0.4053	0.4157 0.4052	0.4117	0.4077	0.4183	Ave		0.4135			0.1000	2.2		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.2628 0.2806	0.2614 0.2733	0.2761	0.2772	0.2842	Ave		0.2737			0.0500	3.2		20.0			
Acetone	+++++ 0.1421	0.2958 +++++	0.1578	0.1420	0.1462	Lin1	0.3105	0.1398			0.0100	2.7			1.0000		0.9900
Iodomethane	0.4620 0.4312	0.4507 0.4253	0.4283	0.4317	0.4473	Ave		0.4395				3.1		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, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

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								
Carbon disulfide	1.1582 0.8815	1.0493 0.8578	0.9096	0.8961	0.9091	Ave		0.9516			0.1000	11.6		20.0			
3-Chloro-1-propene	0.5306 0.4520	0.4842 0.4523	0.4599	0.4492	0.4714	Ave		0.4714				6.1		20.0			
Methyl acetate	0.3734 0.3369	0.3585 +++++	0.3445	0.3309	0.3439	Ave		0.3480			0.1000	4.4		20.0			
Methylene Chloride	+++++ 0.3493	1.2721 0.3463	0.4243	0.3723	0.3728	Lin1	0.9295	0.3363			0.1000	2.8			1.0000		0.9900
tert-Butyl alcohol	0.0805 0.0680	0.0761 +++++	0.0730	0.0700	0.0718	Ave		0.0732				6.1		20.0			
Acrylonitrile	0.1960 0.1727	0.1891 +++++	0.1798	0.1713	0.1778	Ave		0.1811				5.3		20.0			
trans-1,2-Dichloroethene	0.4388 0.3861	0.4327 0.3845	0.4006	0.3951	0.4062	Ave		0.4063			0.1000	5.3		20.0			
Methyl tert-butyl ether	0.8683 0.8061	0.8857 0.7696	0.8607	0.8334	0.8545	Ave		0.8398			0.1000	4.8		20.0			
Hexane	0.4565 0.4534	0.4143 0.4249	0.4503	0.4473	0.4579	Ave		0.4435				3.8		20.0			
1,1-Dichloroethane	0.5177 0.4943	0.5212 0.4907	0.5091	0.4989	0.5149	Ave		0.5067			0.2000	2.4		20.0			
Vinyl acetate	0.5580 0.5787	0.5728 +++++	0.5589	0.5619	0.5864	Ave		0.5694				2.1		20.0			
2,2-Dichloropropane	0.3469 0.3079	0.3283 0.3227	0.3273	0.3311	0.3375	Ave		0.3288				3.7		20.0			
cis-1,2-Dichloroethene	0.3560 0.3343	0.3649 0.3316	0.3413	0.3352	0.3475	Ave		0.3444			0.1000	3.6		20.0			
2-Butanone	0.0615 0.0642	0.0597 +++++	0.0632	0.0607	0.0645	Ave		0.0623			0.0100	3.2		20.0			
Bromochloromethane	0.2785 0.2285	0.2509 0.2244	0.2357	0.2316	0.2400	Ave		0.2413				7.7		20.0			
Tetrahydrofuran	0.1604 0.1508	0.1429 +++++	0.1501	0.1446	0.1514	Ave		0.1500				4.1		20.0			
Chloroform	0.5004 0.4703	0.4870 0.4731	0.4836	0.4829	0.4938	Ave		0.4844			0.2000	2.2		20.0			
1,1,1-Trichloroethane	0.3922 0.4192	0.4015 0.4179	0.4170	0.4276	0.4345	Ave		0.4157			0.1000	3.5		20.0			
Cyclohexane	0.5033 0.5135	0.4858 0.4766	0.5239	0.5157	0.5153	Ave		0.5049			0.1000	3.5		20.0			
1,1-Dichloropropene	0.4381 0.4050	0.4072 0.3945	0.4119	0.4049	0.4145	Ave		0.4109				3.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

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								
Carbon tetrachloride	0.3547 0.3535	0.3314 0.3513	0.3425	0.3636	0.3768	Ave		0.3534			0.1000	4.1		20.0			
Isobutyl alcohol	0.0214 0.0190	0.0189 +++++	0.0202	0.0197	0.0201	Ave		0.0199				4.6		20.0			
Benzene	1.2351 1.1561	1.2006 1.1376	1.1748	1.1526	1.1878	Ave		1.1778			0.5000	2.8		20.0			
1,2-Dichloroethane	0.3915 0.3540	0.3893 0.3393	0.3455	0.3539	0.3641	Ave		0.3625			0.1000	5.7		20.0			
n-Heptane	+++++ 0.2241	0.8189 0.2083	0.2765	0.2406	0.2291	Lin1	0.6210	0.2083				3.9			0.9990		0.9900
Trichloroethene	0.3459 0.3108	0.3166 0.3021	0.3026	0.3105	0.3179	Ave		0.3152			0.1500	4.7		20.0			
Methylcyclohexane	0.5757 0.5798	0.5136 0.5210	0.5842	0.5782	0.5985	Ave		0.5644			0.1000	5.9		20.0			
1,2-Dichloropropane	0.2504 0.2495	0.2406 0.2466	0.2499	0.2468	0.2580	Ave		0.2488			0.1000	2.1		20.0			
Dibromomethane	0.2511 0.2018	0.2266 0.1879	0.1970	0.2002	0.2123	Ave		0.2110				10.2		20.0			
1,4-Dioxane	0.0035 0.0040	0.0034 0.0038	0.0047	0.0044	0.0043	Ave		0.0040				12.1		20.0			
Bromodichloromethane	0.3369 0.3474	0.3224 0.3346	0.3359	0.3412	0.3584	Ave		0.3396			0.1500	3.3		20.0			
2-Chloroethyl vinyl ether	0.1875 0.1911	0.1776 0.1507	0.1862	0.1818	0.1895	Ave		0.1806				7.7		20.0			
cis-1,3-Dichloropropene	0.4366 0.4171	0.4107 0.3952	0.4011	0.4068	0.4265	Ave		0.4134			0.1500	3.5		20.0			
4-Methyl-2-pentanone	0.3839 0.3806	0.3808 +++++	0.3872	0.3769	0.3911	Ave		0.3834			0.0500	1.3		20.0			
Toluene	1.8023 1.6267	1.6891 1.6145	1.6659	1.6181	1.7001	Ave		1.6738			0.4000	4.0		20.0			
trans-1,3-Dichloropropene	0.5769 0.5343	0.5645 0.5065	0.5263	0.5262	0.5576	Ave		0.5418			0.1000	4.6		20.0			
Ethyl methacrylate	0.5226 0.5394	0.4946 0.4478	0.5518	0.5362	0.5613	Ave		0.5220				7.5		20.0			
1,1,2-Trichloroethane	0.3778 0.3286	0.3178 0.3033	0.3333	0.3248	0.3429	Ave		0.3327			0.1000	7.1		20.0			
Tetrachloroethene	0.4570 0.4417	0.4243 0.4396	0.4476	0.4415	0.4623	Ave		0.4449			0.1500	2.8		20.0			
1,3-Dichloropropane	0.6595 0.5804	0.5855 0.5367	0.5879	0.5738	0.6044	Ave		0.5898				6.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.4148 0.3823	0.3921 +++++	0.4171	0.3943	0.3992	Ave		0.4000			0.0500	3.4		20.0			
Dibromochloromethane	0.3436 0.3509	0.3261 0.3352	0.3393	0.3492	0.3738	Ave		0.3454				4.4		20.0			
1,2-Dibromoethane	0.3803 0.3593	0.3661 0.3178	0.3511	0.3562	0.3736	Ave		0.3578				5.7		20.0			
Chlorobenzene	1.1917 1.0431	1.0788 1.0358	1.0620	1.0437	1.1063	Ave		1.0802			0.3000	5.1		20.0			
1,1,1,2-Tetrachloroethane	0.3770 0.3768	0.3617 0.3870	0.3721	0.3706	0.3978	Ave		0.3776				3.1		20.0			
Ethylbenzene	0.6003 0.5897	0.5954 0.5969	0.6098	0.5997	0.6287	Ave		0.6029				2.1		20.0			
m-Xylene & p-Xylene	0.7152 0.7393	0.7520 0.7353	0.7549	0.7557	0.7836	Ave		0.7480				2.8		20.0			
o-Xylene	0.7592 0.7370	0.7654 0.7387	0.7487	0.7584	0.7848	Ave		0.7560				2.2		20.0			
Styrene	1.2553 1.2064	1.1402 1.1932	1.2030	1.2192	1.2715	Ave		1.2127			0.3000	3.5		20.0			
Bromoform	0.2213 0.2662	0.2350 0.2312	0.2485	0.2670	0.2802	Ave		0.2499			0.1000	8.7		20.0			
Isopropylbenzene	1.9470 1.9256	1.9183 1.9274	2.0090	1.9856	2.0675	Ave		1.9686			0.1000	2.8		20.0			
1,1,2,2-Tetrachloroethane	0.9347 1.0089	0.9925 0.8398	1.0421	1.0190	1.0529	Ave		0.9843			0.3000	7.6		20.0			
Bromobenzene	0.9090 0.8447	0.8758 0.8518	0.8455	0.8624	0.8771	Ave		0.8666				2.6		20.0			
1,2,3-Trichloropropane	0.3616 0.3604	0.3856 +++++	0.3726	0.3724	0.3827	Ave		0.3726				2.8		20.0			
trans-1,4-Dichloro-2-butene	0.3307 0.3153	0.3082 +++++	0.3131	0.3186	0.3275	Ave		0.3189				2.7		20.0			
n-Propylbenzene	0.9647 0.9889	0.9069 0.9978	0.9987	1.0115	1.0363	Ave		0.9864				4.2		20.0			
2-Chlorotoluene	0.8029 0.8162	0.7917 0.8480	0.8225	0.8298	0.8726	Ave		0.8263				3.3		20.0			
1,3,5-Trimethylbenzene	2.7098 2.8199	2.6571 2.8891	2.8991	2.9082	3.0109	Ave		2.8420				4.3		20.0			
4-Chlorotoluene	0.8644 0.8286	0.8857 0.8408	0.8361	0.8393	0.8746	Ave		0.8528				2.6		20.0			
tert-Butylbenzene	2.4839 2.5923	2.3390 2.6462	2.6216	2.6249	2.7660	Ave		2.5820				5.2		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, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.9044 2.8957	2.7731 2.9649	2.9896	2.9855	3.0915	Ave		2.9435				3.4		20.0			
sec-Butylbenzene	3.4931 3.7070	3.4481 3.7162	3.8562	3.8180	3.9769	Ave		3.7165				5.1		20.0			
1,3-Dichlorobenzene	1.8530 1.6328	1.7598 1.6496	1.6537	1.6730	1.7292	Ave		1.7073			0.6000	4.6		20.0			
p-Isopropyltoluene	2.9898 3.1812	3.0425 3.2731	3.2720	3.2957	3.4448	Ave		3.2142				4.9		20.0			
1,4-Dichlorobenzene	1.9866 1.6505	1.8499 1.6771	1.6636	1.7046	1.7595	Ave		1.7560			0.5000	7.0		20.0			
n-Butylbenzene	2.5658 2.7237	2.6277 2.8018	2.7646	2.7987	2.9054	Ave		2.7411				4.2		20.0			
1,2-Dichlorobenzene	1.8655 1.5698	1.6719 1.6169	1.5834	1.6103	1.6665	Ave		1.6549			0.4000	6.1		20.0			
1,2-Dibromo-3-Chloropropane	0.3275 0.3332	0.2864 +++++	0.3130	0.3187	0.3491	Ave		0.3213			0.0500	6.6		20.0			
1,2,4-Trichlorobenzene	1.2956 1.0915	1.2328 1.2075	1.0259	1.0636	1.1751	Ave		1.1560			0.2000	8.5		20.0			
Hexachlorobutadiene	0.5365 0.4716	0.6238 0.5042	0.4510	0.4832	0.5034	Ave		0.5105				11.1		20.0			
Naphthalene	3.8848 3.4986	3.9098 3.2717	3.4440	3.5237	3.8266	Ave		3.6227				6.9		20.0			
1,2,3-Trichlorobenzene	1.2332 0.9963	1.1549 1.1194	0.9312	0.9820	1.0736	Ave		1.0701				10.0		20.0			
Dibromofluoromethane (Surr)	+++++ 0.2632	0.2807 0.2572	0.2551	0.2667	0.2730	Ave		0.2660				3.6		20.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2956	0.3370 0.2788	0.2849	0.2939	0.3026	Ave		0.2988				6.9		20.0			
Toluene-d8 (Surr)	+++++ 1.3548	1.6210 1.3318	1.3946	1.3817	1.4168	Ave		1.4168				7.4		20.0			
4-Bromofluorobenzene (Surr)	+++++ 0.4999	0.6202 0.4892	0.5085	0.4983	0.5153	Ave		0.5219				9.4		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-378870/14	U1269801.D
Level 2	STD8260 240-378870/13	U1269800.D
Level 3	STD8260 240-378870/12	U1269799.D
Level 4	ICIS 240-378870/11	U1269798.D
Level 5	STD8260 240-378870/10	U1269797.D
Level 6	STD8260 240-378870/9	U1269796.D
Level 7	STD8260 240-378870/8	U1269795.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	11044 1567191	19984 2052069	224597	496091	1030351	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloromethane	FB	Ave	+++++ 1257715	19082 1789816	214265	403612	863765	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Butadiene	FB	Ave	11073 1449292	21365 1892418	222795	460371	960327	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl chloride	FB	Ave	10733 1455844	22643 1934142	233314	463335	970649	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromomethane	FB	Ave	7170 883232	15275 953805	151619	290732	590824	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloroethane	FB	Ave	7695 918797	14836 1012997	148379	292854	592754	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dichlorofluoromethane	FB	Ave	14396 1807740	29001 2290963	299518	575498	1183160	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Trichlorofluoromethane	FB	Ave	12502 1662729	23742 2071934	261265	524611	1094737	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl ether	FB	Ave	8163 929149	15857 1155554	157567	308106	641131	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acrolein	FB	Ave	11833 1380457	22786 +++++	239777	454386	946268	2.50 300	5.00 +++++	50.0	100	200
1,1-Dichloroethene	FB	Ave	13081 1522285	25123 2024854	255094	508373	1043595	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	7988 1054000	15799 1365935	171045	345600	708990	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acetone	FB	Lin1	+++++ 1067191	35750 +++++	195589	354093	729471	+++++ 120	2.00 +++++	20.0	40.0	80.0
Iodomethane	FB	Ave	14045 1619670	27241 2125484	265387	538227	1115860	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon disulfide	FB	Ave	35208 3310792	63418 4286373	563594	1117299	2267883	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

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
3-Chloro-1-propene	FB	Ave	16129 1697487	29262 2260088	284969	560067	1176034	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methyl acetate	FB	Ave	22700 2530486	43336 +++++	426943	825132	1715851	1.00 120	2.00 +++++	20.0	40.0	80.0
Methylene Chloride	FB	Lin1	+++++ 1311846	76885 1730659	262888	464186	930086	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butyl alcohol	FB	Ave	24459 2552659	46009 +++++	452013	872907	1790088	5.00 600	10.0 +++++	100	200	400
Acrylonitrile	FB	Ave	59579 6486159	114297 +++++	1113771	2135420	4436089	5.00 600	10.0 +++++	100	200	400
trans-1,2-Dichloroethene	FB	Ave	13341 1450217	26151 1921542	248232	492658	1013326	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methyl tert-butyl ether	FB	Ave	26396 3027404	53530 3846016	533312	1039087	2131851	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexane	FB	Ave	13878 1702774	25038 2123105	279012	557732	1142313	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloroethane	FB	Ave	15738 1856520	31501 2451944	315456	622049	1284657	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl acetate	FB	Ave	16963 2173371	34619 +++++	346293	700651	1462850	0.500 60.0	1.00 +++++	10.0	20.0	40.0
2,2-Dichloropropane	FB	Ave	10546 1156337	19842 1612711	202782	412857	841953	0.500 60.0	1.00 80.0	10.0	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	10822 1255612	22054 1657053	211496	417933	866934	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Butanone	FB	Ave	3739 482200	7212 +++++	78345	151425	322049	1.00 120	2.00 +++++	20.0	40.0	80.0
Bromochloromethane	FB	Ave	8465 858112	15161 1121143	146065	288735	598675	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrahydrofuran	FB	Ave	9753 1132369	17279 +++++	185955	360495	755334	1.00 120	2.00 +++++	20.0	40.0	80.0
Chloroform	FB	Ave	15213 1766502	29434 2363996	299618	602114	1231881	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1-Trichloroethane	FB	Ave	11924 1574408	24264 2088351	258363	533200	1083939	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Cyclohexane	FB	Ave	15299 1928649	29359 2381579	324586	642956	1285622	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloropropene	FB	Ave	13318 1521069	24613 1971517	255221	504905	1034085	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon tetrachloride	FB	Ave	10783 1327796	20029 1755611	212237	453383	940122	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isobutyl alcohol	FB	Ave	16262 1784970	28500 +++++	312412	615511	1254651	12.5 1500	25.0 +++++	250	500	1000

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

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
Benzene	FB	Ave	37546 4341955	72564 5684570	727951	1437120	2963156	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane	FB	Ave	11902 1329568	23529 1695389	214099	441298	908435	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Heptane	FB	Lin1	+++++ 841832	49490 1041160	171315	299975	571599	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Trichloroethene	FB	Ave	10516 1167306	19135 1509661	187506	387176	793097	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	17502 2177617	31043 2603437	361953	720921	1493017	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloropropane	FB	Ave	7613 937223	14544 1232396	154817	307704	643520	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromomethane	FB	Ave	7633 757811	13696 938835	122075	249664	529643	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,4-Dioxane	FB	Ave	2151 298901	4063 374894	58179	110260	212766	10.0 1200	20.0 1600	200	400	800
Bromodichloromethane	FB	Ave	10242 1304681	19488 1672281	208118	425494	894000	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chloroethyl vinyl ether	FB	Ave	11398 1435551	21468 1506274	230721	453314	945507	1.00 120	2.00 160	20.0	40.0	80.0
cis-1,3-Dichloropropene	FB	Ave	13273 1566673	24819 1974815	248543	507172	1063891	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Methyl-2-pentanone	FB	Ave	23343 2858560	46025 +++++	479830	939875	1951525	1.00 120	2.00 +++++	20.0	40.0	80.0
Toluene	CBNZ d5	Ave	36733 4263658	69512 5446274	693965	1384009	2883485	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	11758 1400355	23230 1708636	219235	450107	945703	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl methacrylate	CBNZ d5	Ave	10652 1413898	20354 1510478	229870	458650	952052	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloroethane	CBNZ d5	Ave	7700 861361	13079 1023274	138863	277803	581540	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrachloroethene	CBNZ d5	Ave	9314 1157587	17463 1482922	186459	377626	784044	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichloropropane	CBNZ d5	Ave	13441 1521180	24096 1810575	244890	490824	1025142	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Hexanone	CBNZ d5	Ave	16906 2004012	32274 +++++	347483	674546	1354308	1.00 120	2.00 +++++	20.0	40.0	80.0
Dibromochloromethane	CBNZ d5	Ave	7003 919717	13420 1130859	141322	298689	633936	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromoethane	CBNZ d5	Ave	7750 941630	15068 1071876	146267	304693	633639	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

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
Chlorobenzene	CBNZ d5	Ave	24288 2734043	44396 3494036	442384	892667	1876430	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	7683 987481	14884 1305612	154999	316979	674622	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethylbenzene	CBNZ d5	Ave	12234 1545630	24504 2013623	254036	512928	1066262	0.500 60.0	1.00 80.0	10.0	20.0	40.0
m-Xylene & p-Xylene	CBNZ d5	Ave	14577 1937780	30946 2480479	314453	646378	1329053	0.500 60.0	1.00 80.0	10.0	20.0	40.0
o-Xylene	CBNZ d5	Ave	15474 1931683	31499 2491810	311889	648657	1331003	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Styrene	CBNZ d5	Ave	25585 3161922	46924 4024869	501125	1042824	2156541	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromoform	CBNZ d5	Ave	4510 697809	9669 780055	103500	228364	475190	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isopropylbenzene	CBNZ d5	Ave	39682 5047046	78943 6501576	836910	1698359	3506656	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	10861 1444688	23506 1530842	237420	473524	982071	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromobenzene	DCBd 4	Ave	10562 1209647	20743 1552619	192642	400745	818090	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichloropropane	DCBd 4	Ave	4202 516092	9133 +++++	84888	173052	356976	0.500 60.0	1.00 +++++	10.0	20.0	40.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	3843 451551	7300 +++++	71337	148061	305416	0.500 60.0	1.00 +++++	10.0	20.0	40.0
n-Propylbenzene	DCBd 4	Ave	11209 1416141	21478 1818752	227545	470058	966595	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chlorotoluene	DCBd 4	Ave	9330 1168744	18750 1545785	187392	385627	813877	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	31487 4038075	62930 5266204	660502	1351432	2808258	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Chlorotoluene	DCBd 4	Ave	10044 1186575	20976 1532612	190484	390042	815761	0.500 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butylbenzene	DCBd 4	Ave	28862 3712091	55395 4823562	597272	1219799	2579873	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	33748 4146548	65676 5404391	681127	1387358	2883392	0.500 60.0	1.00 80.0	10.0	20.0	40.0
sec-Butylbenzene	DCBd 4	Ave	40589 5308368	81663 6773871	878572	1774243	3709245	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCBd 4	Ave	21531 2338079	41679 3006850	376754	777449	1612862	0.500 60.0	1.00 80.0	10.0	20.0	40.0
p-Isopropyltoluene	DCBd 4	Ave	34741 4555449	72056 5966210	745472	1531521	3212945	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

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
1,4-Dichlorobenzene	DCBd 4	Ave	23084 2363448	43811 3056952	379011	792152	1641044	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Butylbenzene	DCBd 4	Ave	29814 3900305	62232 5107201	629870	1300578	2709817	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCBd 4	Ave	21676 2247875	39597 2947208	360738	748334	1554362	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	3806 477069	6783 +++++	71305	148124	325575	0.500 60.0	1.00 +++++	10.0	20.0	40.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	15055 1562937	29197 2200965	233740	494279	1096024	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	DCBd 4	Ave	6234 675267	14773 918998	102755	224541	469488	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Naphthalene	DCBd 4	Ave	45140 5009873	92597 5963618	784648	1637491	3569051	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	14329 1426661	27351 2040460	212164	456339	1001370	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromofluoromethane (Surr)	FB	Ave	+++++ 988457	16968 1285236	158064	332600	680998	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 1110364	20365 1393127	176503	366398	754824	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Toluene-d8 (Surr)	CBNZ d5	Ave	+++++ 3550979	66709 4492583	580962	1181805	2403057	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	+++++ 1310206	25525 1650135	211821	426237	874019	+++++ 60.0	1.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 14:10 Calibration End Date: 04/30/2019 16:24 Calibration ID: 50823

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-378870/14	U1269801.D
Level 2	STD8260 240-378870/13	U1269800.D
Level 3	STD8260 240-378870/12	U1269799.D
Level 4	ICIS 240-378870/11	U1269798.D
Level 5	STD8260 240-378870/10	U1269797.D
Level 6	STD8260 240-378870/9	U1269796.D
Level 7	STD8260 240-378870/8	U1269795.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Acetone	+++++ +++++	0.5						50				
Methylene Chloride	+++++	1.9						50				
n-Heptane	+++++	-5.0						50				

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D
Lims ID: std8260 L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 30-Apr-2019 14:10:30 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-008
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Apr-2019 17:22:02 Calib Date: 30-Apr-2019 16:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: laveyt Date: 30-Apr-2019 14:37:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1249296	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.758	0.000	83	843322	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.970	9.970	0.000	90	455702	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	4.539	4.539	0.000	95	1285236	80.0	77.4	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.823	4.823	0.000	96	1393127	80.0	74.6	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	92	4492583	80.0	75.2	
$ 7 4-Bromofluorobenzene (Surr	95	8.858	8.858	0.000	94	1650135	80.0	75.0	
9 Dichlorodifluoromethane	85	1.403	1.403	0.000	99	2052069	80.0	85.3	
10 Chloromethane	50	1.581	1.581	0.000	98	1789816	80.0	84.9	
11 Butadiene	54	1.640	1.640	0.000	88	1892418	80.0	81.7	
12 Vinyl chloride	62	1.664	1.675	-0.011	98	1934142	80.0	82.1	
14 Bromomethane	94	1.888	1.912	-0.024	90	953805	80.0	65.6	
15 Chloroethane	64	1.971	1.995	-0.024	99	1012997	80.0	68.5	
16 Dichlorofluoromethane	67	2.161	2.172	-0.011	97	2290963	80.0	77.5	
17 Trichlorofluoromethane	101	2.208	2.220	-0.012	99	2071934	80.0	78.9	
19 Ethyl ether	59	2.433	2.433	0.000	89	1155554	80.0	73.2	
20 Acrolein	56		2.551				ND	ND	U
21 1,1-Dichloroethene	61	2.622	2.634	-0.012	98	2024854	80.0	78.4	
22 1,1,2-Trichloro-1,2,2-trif	101	2.658	2.669	-0.011	93	1365935	80.0	79.9	
23 Acetone	43		2.693				ND	ND	U
24 Iodomethane	142	2.764	2.764	0.000	97	2125484	80.0	77.4	
25 Carbon disulfide	76	2.811	2.823	-0.012	99	4286373	80.0	72.1	
27 3-Chloro-1-propene	41	2.942	2.953	-0.011	93	2260088	80.0	76.8	
28 Methyl acetate	43		2.977				ND	ND	U
29 Methylene Chloride	49	3.048	3.060	-0.012	90	1730659	80.0	79.6	
30 2-Methyl-2-propanol	59		3.166				ND	ND	U
31 Acrylonitrile	53		3.273				ND	ND	U
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	98	1921542	80.0	75.7	
33 Methyl tert-butyl ether	73	3.297	3.285	0.011	94	3846016	80.0	73.3	
34 Hexane	57	3.510	3.510	0.000	90	2123105	80.0	76.6	
35 1,1-Dichloroethane	63	3.651	3.652	-0.001	96	2451944	80.0	77.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43		3.687				ND	ND	U
41 2,2-Dichloropropane	77	4.137	4.137	0.000	60	1612711	80.0	78.5	
40 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	81	1657053	80.0	77.0	
42 2-Butanone (MEK)	72		4.149				ND	ND	U
46 Chlorobromomethane	49	4.338	4.338	0.000	94	1121143	80.0	74.4	
47 Tetrahydrofuran	42		4.373				ND	ND	U
48 Chloroform	83	4.397	4.397	0.000	93	2363996	80.0	78.1	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	99	2088351	80.0	80.4	
50 Cyclohexane	84	4.598	4.598	0.000	90	2381579	80.0	75.5	
51 1,1-Dichloropropene	75	4.693	4.693	0.000	96	1971517	80.0	76.8	
52 Carbon tetrachloride	117	4.693	4.693	0.000	79	1755611	80.0	79.5	
53 Isobutyl alcohol	41		4.788				ND	ND	U
54 Benzene	78	4.870	4.870	0.000	96	5684570	80.0	77.3	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	1695389	80.0	74.9	
57 n-Heptane	57	5.071	5.071	0.000	90	1041160	80.0	77.0	
59 Trichloroethene	130	5.403	5.403	0.000	98	1509661	80.0	76.7	
61 Methylcyclohexane	83	5.568	5.568	0.000	86	2603437	80.0	73.8	
62 1,2-Dichloropropane	63	5.604	5.604	0.000	93	1232396	80.0	79.3	
64 Dibromomethane	174	5.710	5.710	0.000	93	938835	80.0	71.2	
65 1,4-Dioxane	88	5.722	5.722	0.000	92	374894	1600.0	1499.9	
66 Dichlorobromomethane	83	5.829	5.829	0.000	100	1672281	80.0	78.8	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	92	1506274	160.0	133.5	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	97	1974815	80.0	76.5	
70 4-Methyl-2-pentanone (MIBK	43		6.349				ND	ND	U
71 Toluene	91	6.515	6.515	0.000	99	5446274	80.0	77.2	
72 trans-1,3-Dichloropropene	75	6.704	6.704	0.000	92	1708636	80.0	74.8	
74 Ethyl methacrylate	69	6.775	6.775	0.000	89	1510478	80.0	68.6	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	90	1023274	80.0	73.0	
76 Tetrachloroethene	166	7.000	7.000	0.000	96	1482922	80.0	79.1	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	88	1810575	80.0	72.8	
78 2-Hexanone	43		7.095				ND	ND	U
80 Chlorodibromomethane	129	7.225	7.225	0.000	90	1130859	80.0	77.6	
81 Ethylene Dibromide	107	7.332	7.332	0.000	99	1071876	80.0	71.1	
83 Chlorobenzene	112	7.781	7.781	0.000	95	3494036	80.0	76.7	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	95	1305612	80.0	82.0	
85 Ethylbenzene	106	7.876	7.876	0.000	98	2013623	80.0	79.2	
86 m-Xylene & p-Xylene	106	7.982	7.982	0.000	99	2480479	80.0	78.6	
87 o-Xylene	106	8.361	8.361	0.000	95	2491810	80.0	78.2	
88 Styrene	104	8.373	8.373	0.000	94	4024869	80.0	78.7	
89 Bromoform	173	8.550	8.550	0.000	98	780055	80.0	74.0	
90 Isopropylbenzene	105	8.704	8.704	0.000	96	6501576	80.0	78.3	
92 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	79	1530842	80.0	68.3	
93 Bromobenzene	156	9.000	9.000	0.000	89	1552619	80.0	78.6	
95 1,2,3-Trichloropropane	110		9.047				ND	ND	U
94 trans-1,4-Dichloro-2-buten	53		9.047				ND	ND	U
96 N-Propylbenzene	120	9.106	9.107	-0.001	98	1818752	80.0	80.9	
97 2-Chlorotoluene	126	9.189	9.189	0.000	97	1545785	80.0	82.1	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	5266204	80.0	81.3	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	1532612	80.0	78.9	
102 tert-Butylbenzene	119	9.592	9.592	0.000	91	4823562	80.0	82.0	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	5404391	80.0	80.6	
105 sec-Butylbenzene	105	9.805	9.805	0.000	94	6773871	80.0	80.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	9.911	9.911	0.000	98	3006850	80.0	77.3	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	97	5966210	80.0	81.5	
108 1,4-Dichlorobenzene	146	9.994	9.994	0.000	95	3056952	80.0	76.4	
111 n-Butylbenzene	91	10.349	10.349	0.000	96	5107201	80.0	81.8	
112 1,2-Dichlorobenzene	146	10.361	10.361	0.000	98	2947208	80.0	78.2	
113 1,2-Dibromo-3-Chloropropan	157		11.142				ND	ND	U
115 1,2,4-Trichlorobenzene	180	11.958	11.946	0.012	94	2200965	80.0	83.6	
116 Hexachlorobutadiene	225	12.124	12.124	0.000	95	918998	80.0	79.0	
117 Naphthalene	128	12.195	12.195	0.000	97	5963618	80.0	72.2	
118 1,2,3-Trichlorobenzene	180	12.443	12.443	0.000	96	2040460	80.0	83.7	
S 124 Trihalomethanes, Total	1				0		320.0	308.6	
S 125 Total BTEX	1				0		400.0	390.4	
S 126 1,2-Dichloroethene, Total	96				0			152.7	
S 127 1,3-Dichloropropene, Total	75				0			151.3	
S 128 Xylenes, Total	106				0		160.0	156.8	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

vm50is_stk_A_00003	Amount Added:	2.00	Units: uL
vmrgas_00291	Amount Added:	64.00	Units: uL
vm50ss_00362	Amount Added:	64.00	Units: uL
vmarolistdw_00294	Amount Added:	64.00	Units: uL
vmrprimw_00331	Amount Added:	64.00	Units: uL

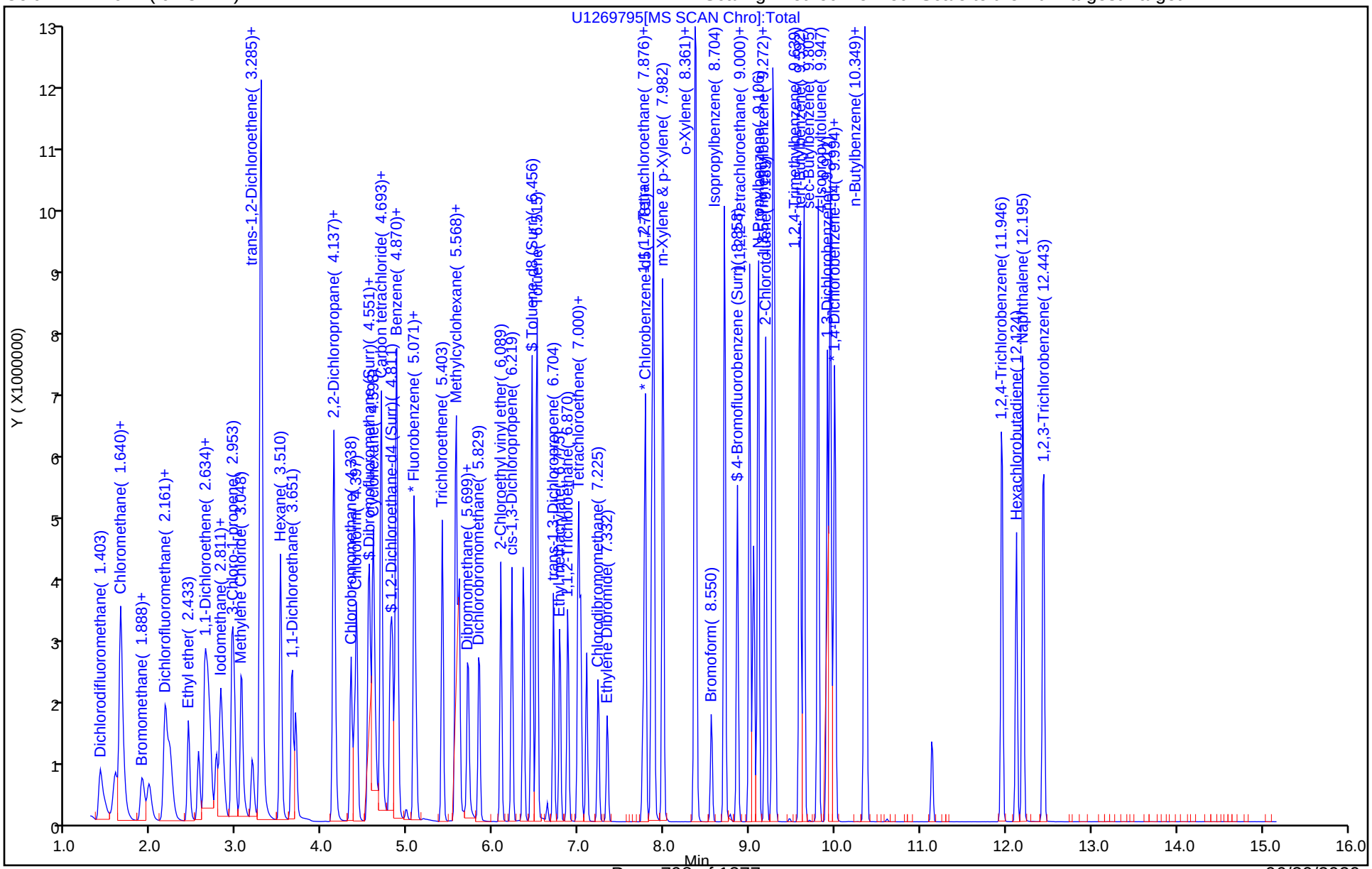
Report Date: 30-Apr-2019 17:22:08 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D

Injection Date:	30-Apr-2019 14:10:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	std8260 L7			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



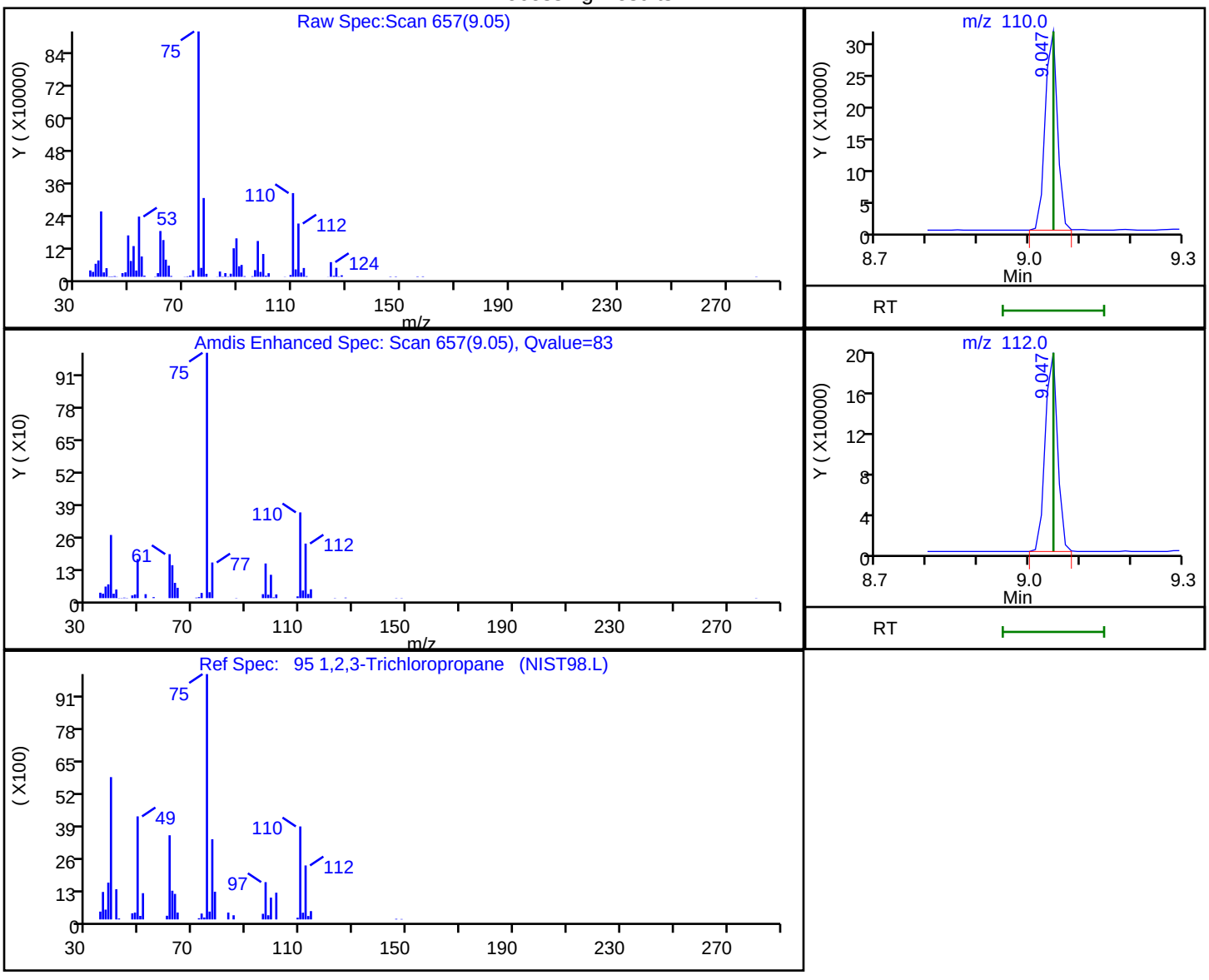
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D
Injection Date: 30-Apr-2019 14:10:30 Instrument ID: A3UX12
Lims ID: std8260 L7
Client ID:
Operator ID: 001904 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

95 1,2,3-Trichloropropane, CAS: 96-18-4

Processing Results



RT	Mass	Response	Amount
9.05	110.00	523898	66.934030
9.05	112.00	334270	

Reviewer: laveyt, 30-Apr-2019 15:28:42
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

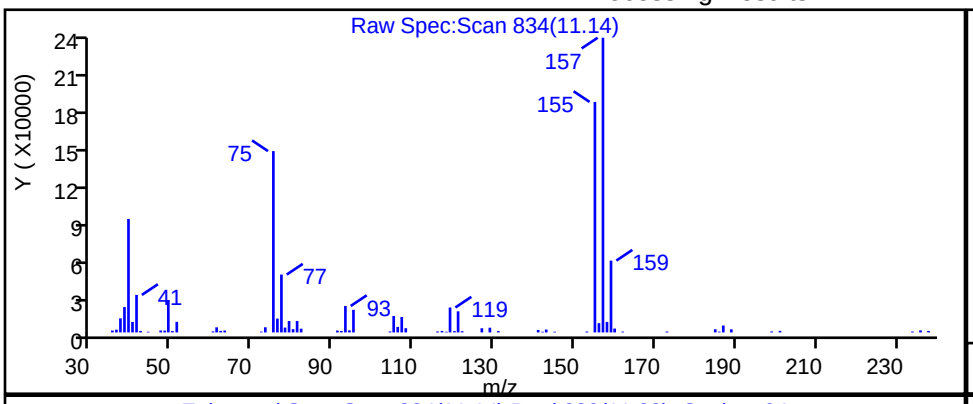
User Disabled Compound Report

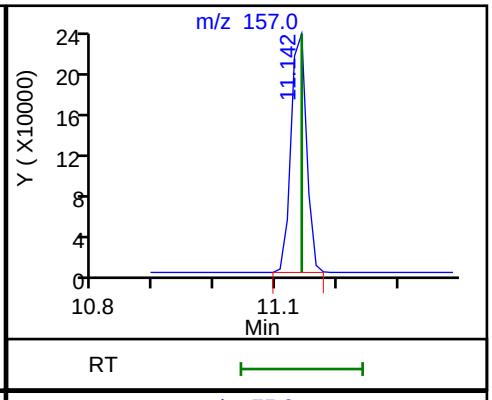
Eurofins TestAmerica, Canton

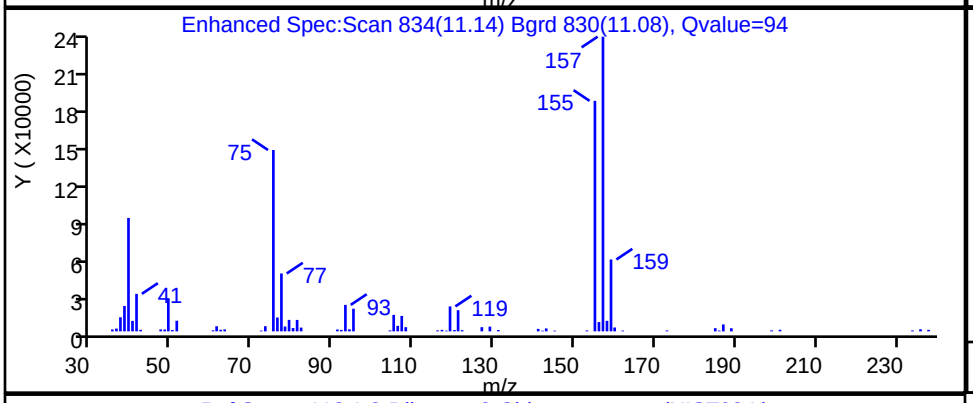
Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D
Injection Date: 30-Apr-2019 14:10:30 Instrument ID: A3UX12
Lims ID: std8260 L7
Client ID:
Operator ID: 001904 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

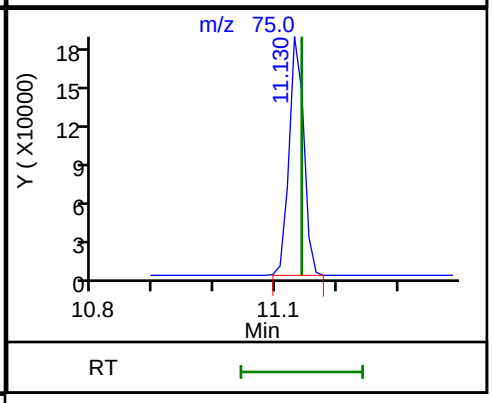
113 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

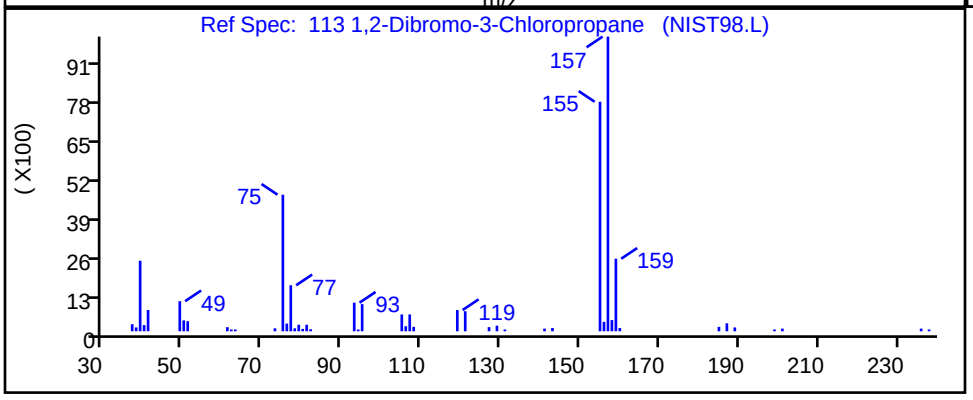
Processing Results











RT	Mass	Response	Amount
11.14	157.00	412663	59.798200
11.13	75.00	309605	

Reviewer: laveyt, 30-Apr-2019 15:29:29
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

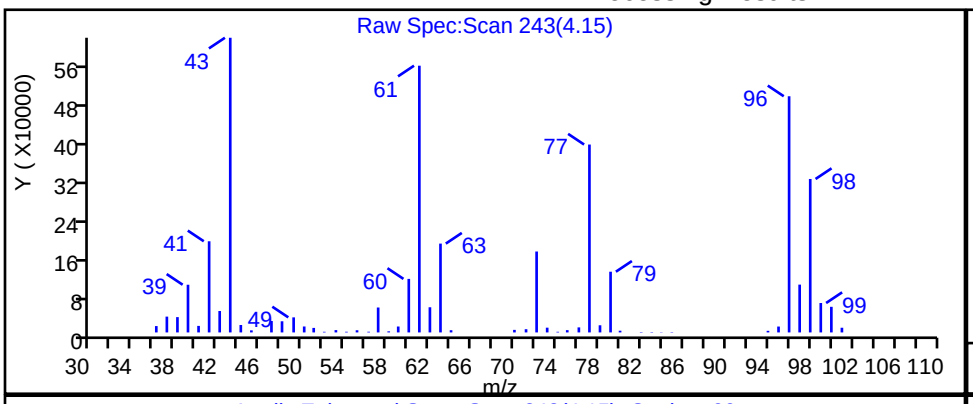
User Disabled Compound Report

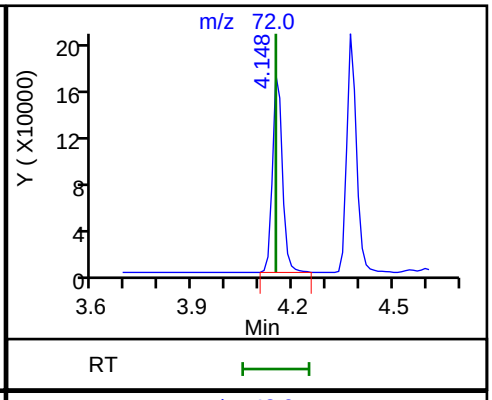
Eurofins TestAmerica, Canton

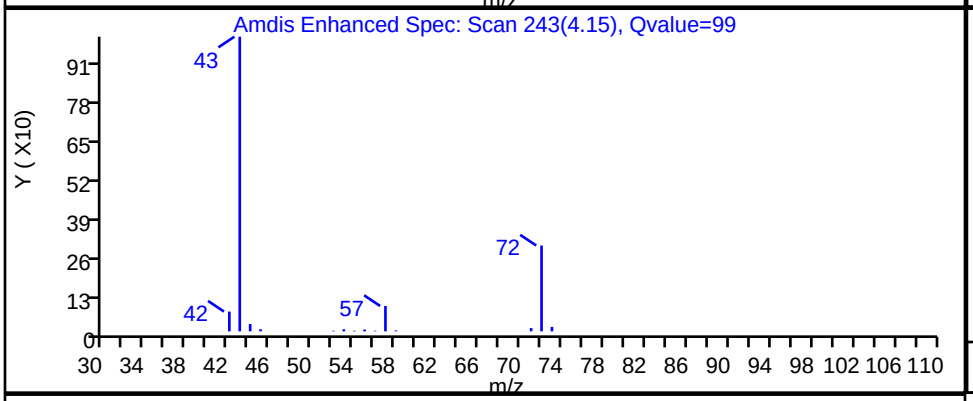
Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D
Injection Date: 30-Apr-2019 14:10:30 Instrument ID: A3UX12
Lims ID: std8260 L7
Client ID:
Operator ID: 001904 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

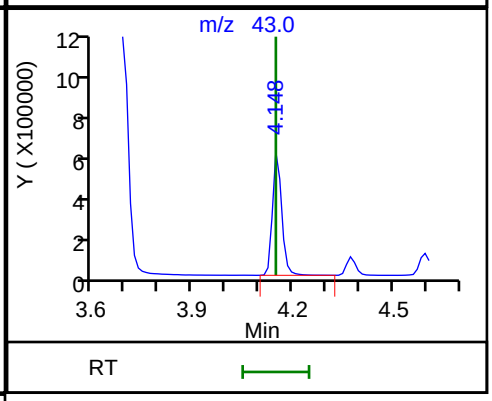
42 2-Butanone (MEK), CAS: 78-93-3

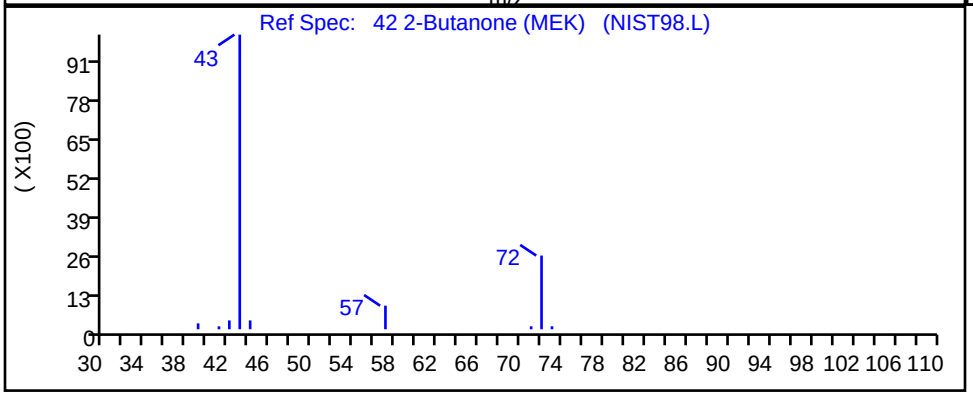
Processing Results











RT	Mass	Response	Amount
4.15	72.00	350699	102.8080
4.15	43.00	1190034	

Reviewer: laveyt, 30-Apr-2019 15:25:19
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

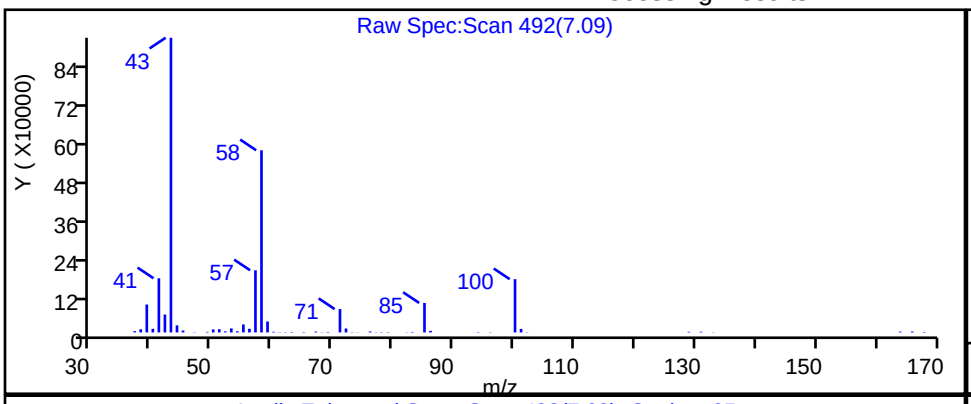
User Disabled Compound Report

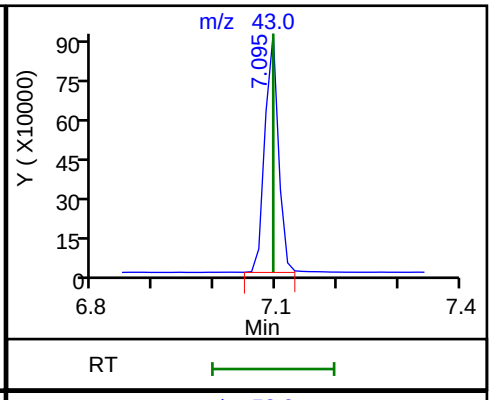
Eurofins TestAmerica, Canton

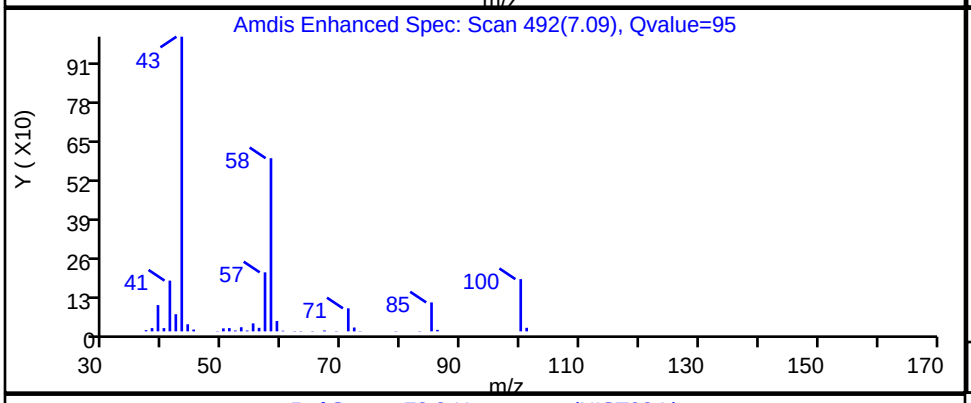
Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D
Injection Date: 30-Apr-2019 14:10:30 Instrument ID: A3UX12
Lims ID: std8260 L7
Client ID:
Operator ID: 001904 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

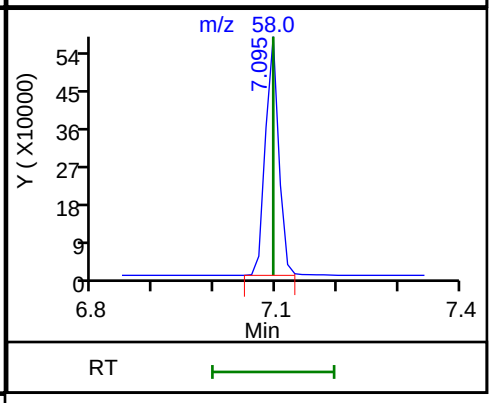
78 2-Hexanone, CAS: 591-78-6

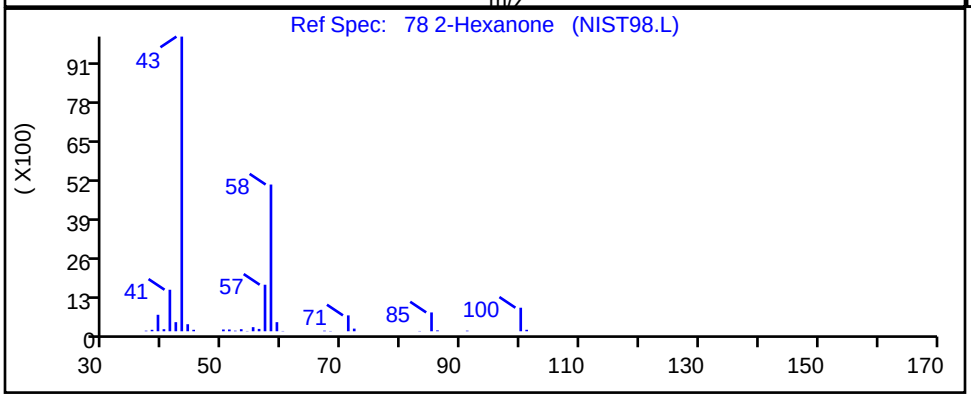
Processing Results











RT	Mass	Response	Amount
7.09	43.00	1429669	102.3875
7.09	58.00	868743	

Reviewer: laveyt, 30-Apr-2019 15:27:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

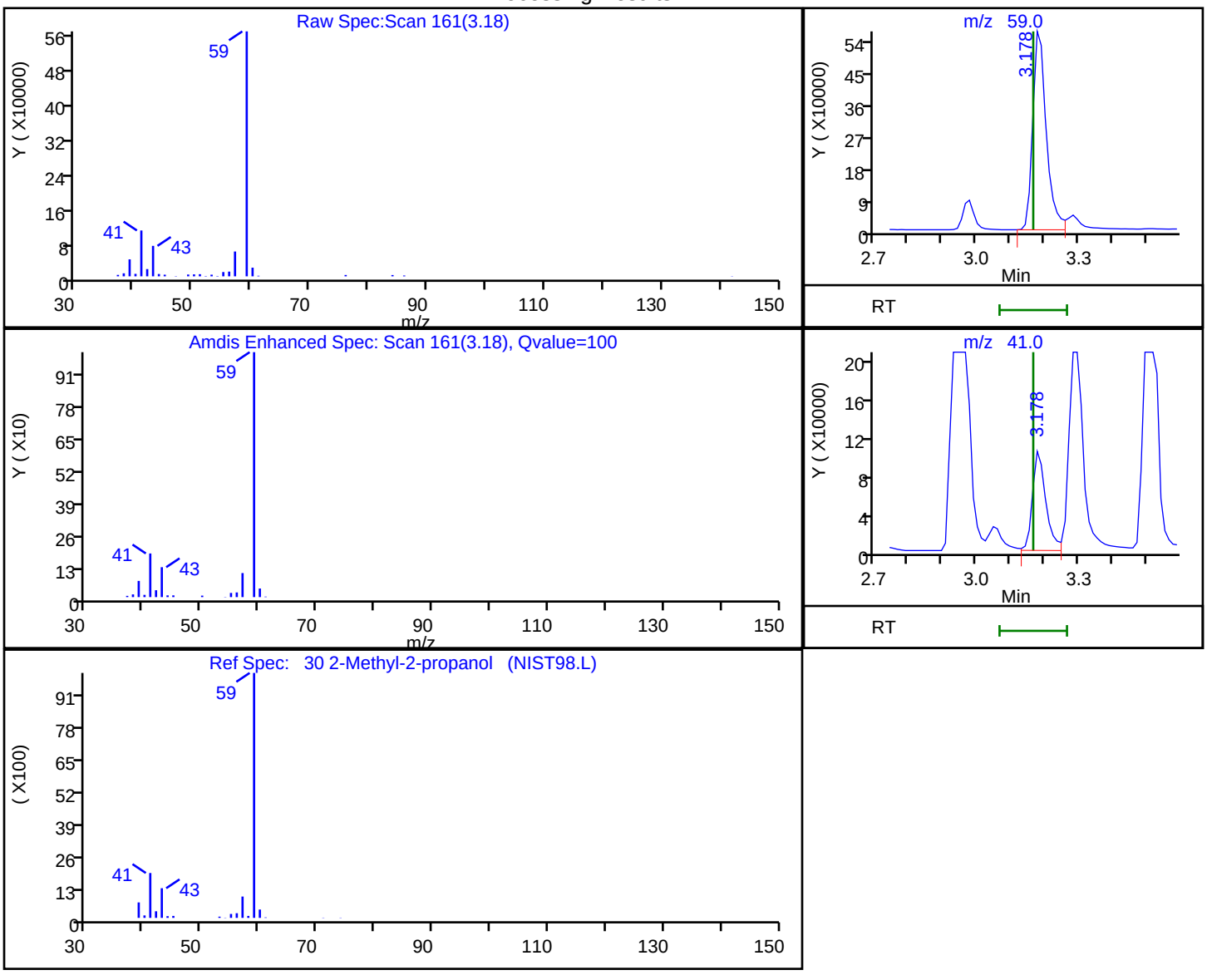
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D
Injection Date: 30-Apr-2019 14:10:30 Instrument ID: A3UX12
Lims ID: std8260 L7
Client ID:
Operator ID: 001904 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Processing Results



RT	Mass	Response	Amount
3.18	59.00	1576196	442.0113
3.18	41.00	291950	

Reviewer: laveyt, 30-Apr-2019 15:24:22
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

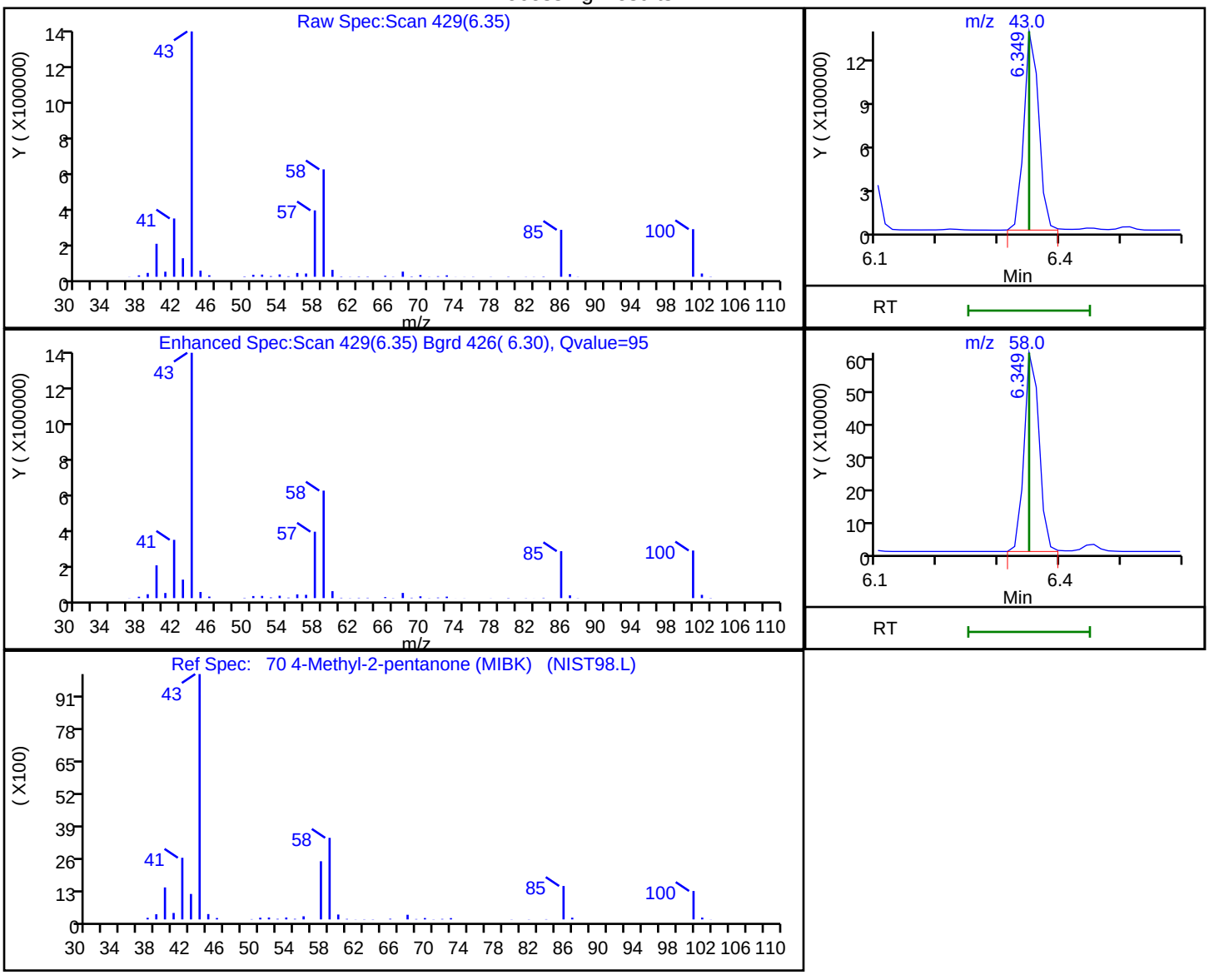
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D
Injection Date: 30-Apr-2019 14:10:30 Instrument ID: A3UX12
Lims ID: std8260 L7
Client ID:
Operator ID: 001904 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.35	43.00	2351243	112.1448
6.35	58.00	1040187	

Reviewer: laveyt, 30-Apr-2019 15:26:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

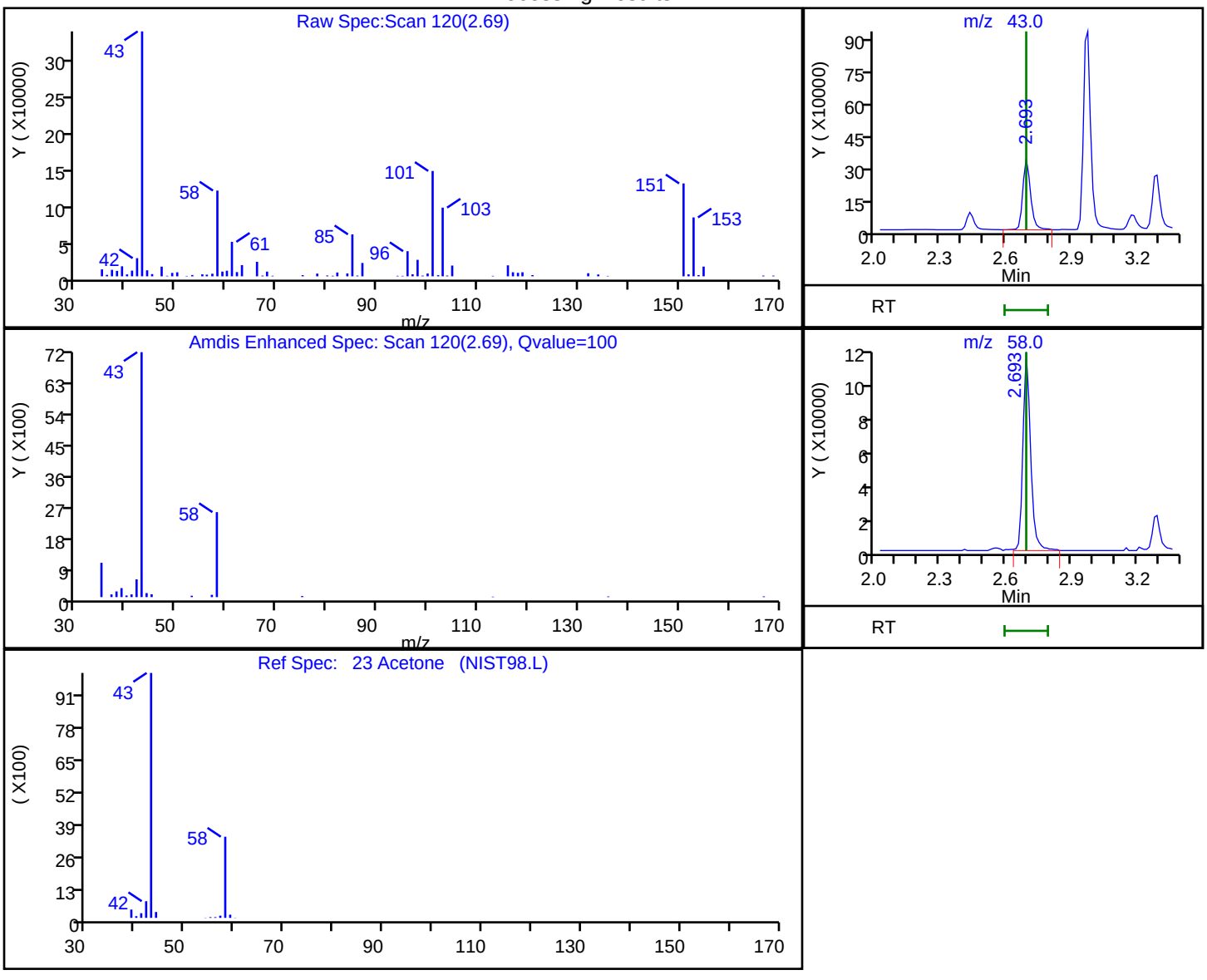
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D
Injection Date: 30-Apr-2019 14:10:30 Instrument ID: A3UX12
Lims ID: std8260 L7
Client ID:
Operator ID: 001904 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.69	43.00	837854	108.1396
2.69	58.00	287960	

Reviewer: laveyt, 30-Apr-2019 15:23:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

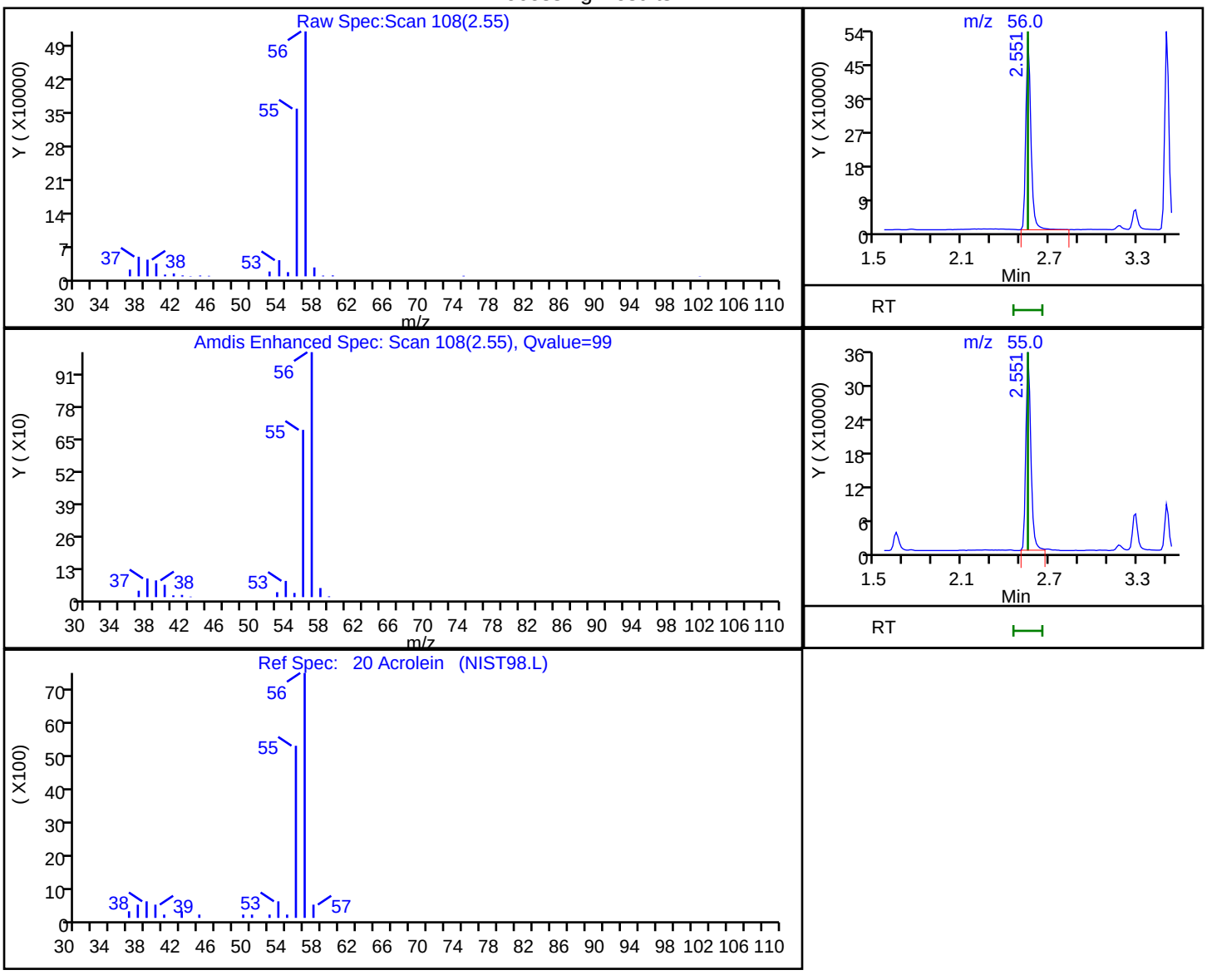
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D
Injection Date: 30-Apr-2019 14:10:30 Instrument ID: A3UX12
Lims ID: std8260 L7
Client ID:
Operator ID: 001904 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Processing Results



RT	Mass	Response	Amount
2.55	56.00	1265832	303.9187
2.55	55.00	841550	

Reviewer: laveyt, 30-Apr-2019 15:23:29
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

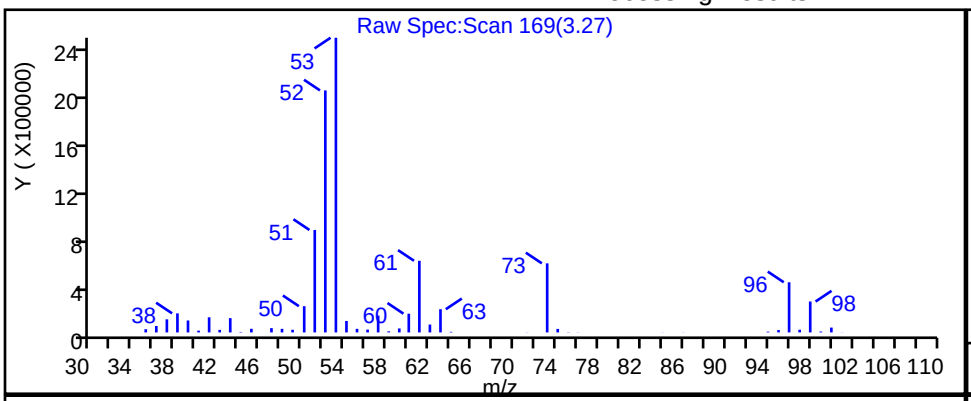
User Disabled Compound Report

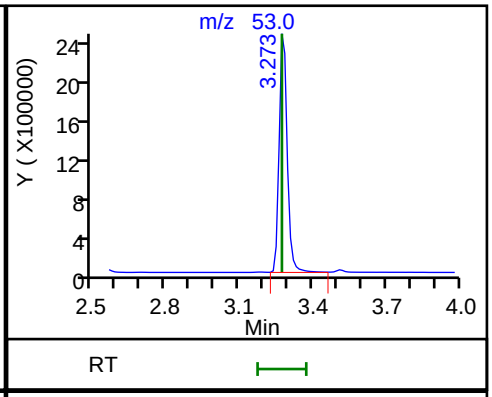
Eurofins TestAmerica, Canton

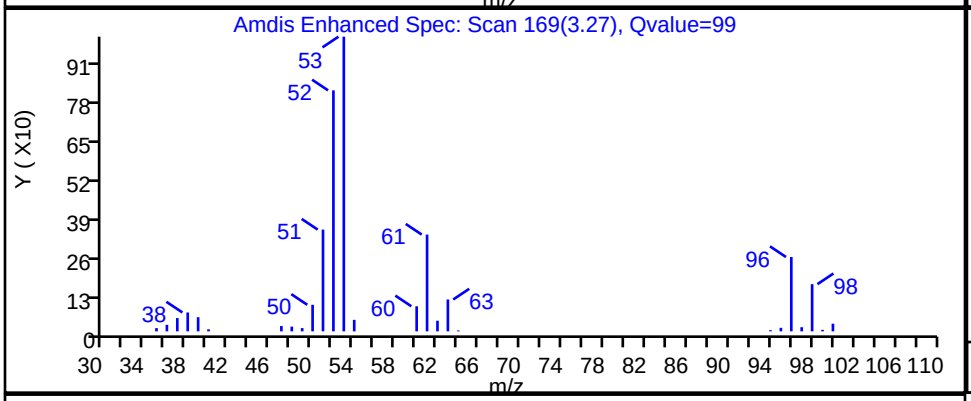
Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D
Injection Date: 30-Apr-2019 14:10:30 Instrument ID: A3UX12
Lims ID: std8260 L7
Client ID:
Operator ID: 001904 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

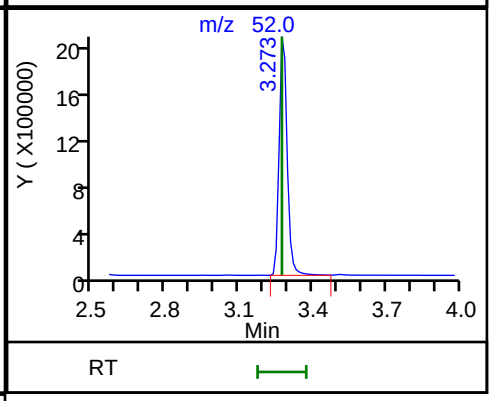
31 Acrylonitrile, CAS: 107-13-1

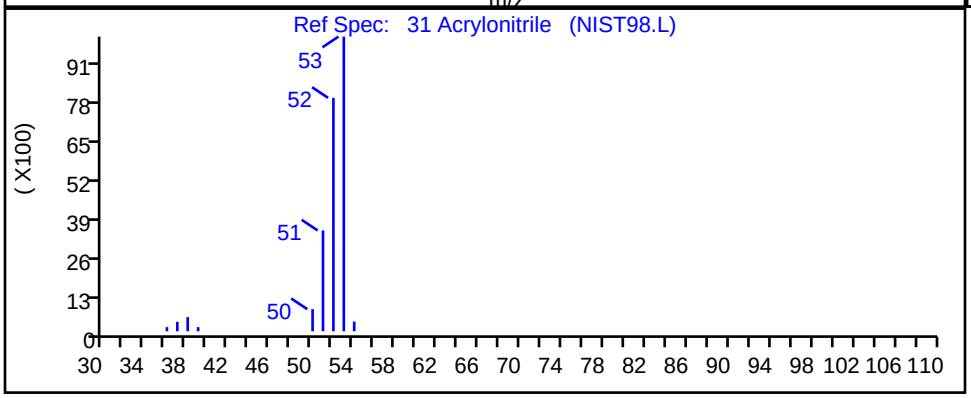
Processing Results











RT	Mass	Response	Amount
3.27	53.00	5744749	592.7333
3.27	52.00	4692139	

Reviewer: laveyt, 30-Apr-2019 15:24:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

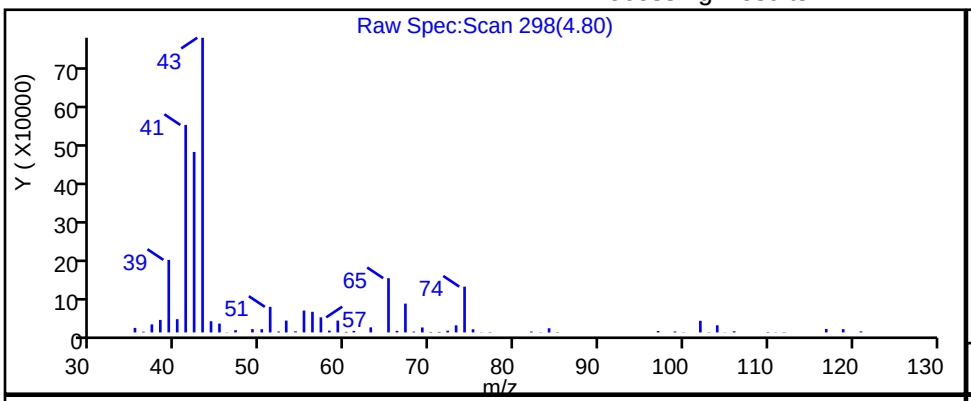
User Disabled Compound Report

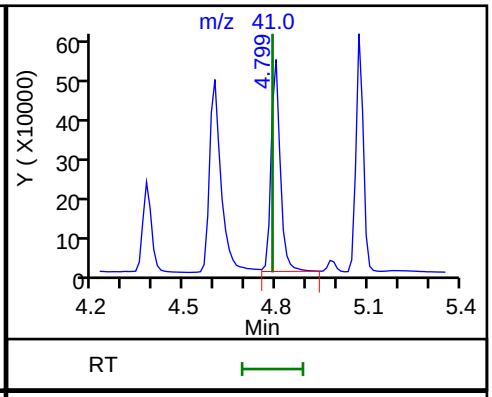
Eurofins TestAmerica, Canton

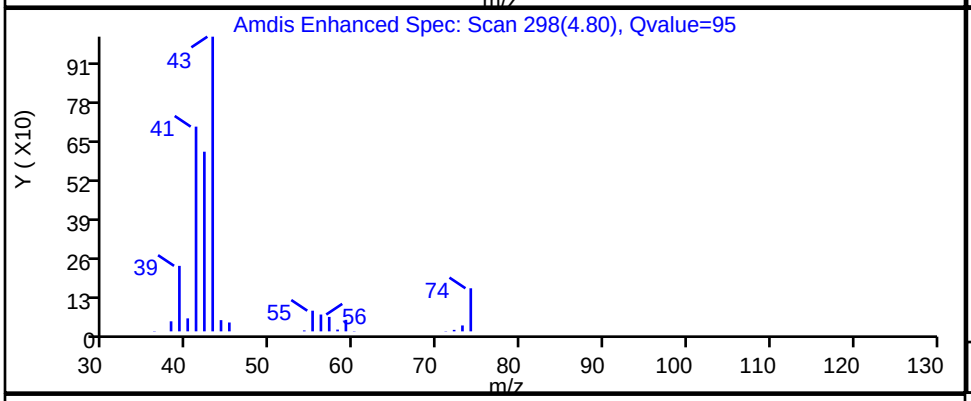
Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D
Injection Date: 30-Apr-2019 14:10:30 Instrument ID: A3UX12
Lims ID: std8260 L7
Client ID:
Operator ID: 001904 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

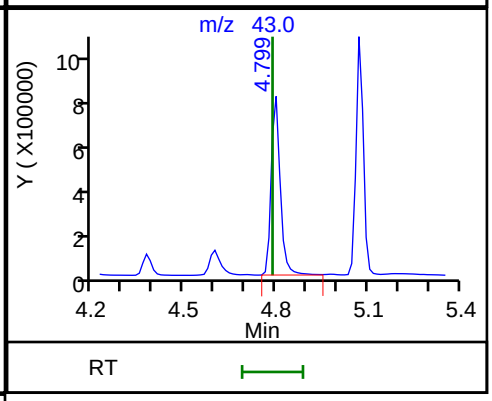
53 Isobutyl alcohol, CAS: 78-83-1

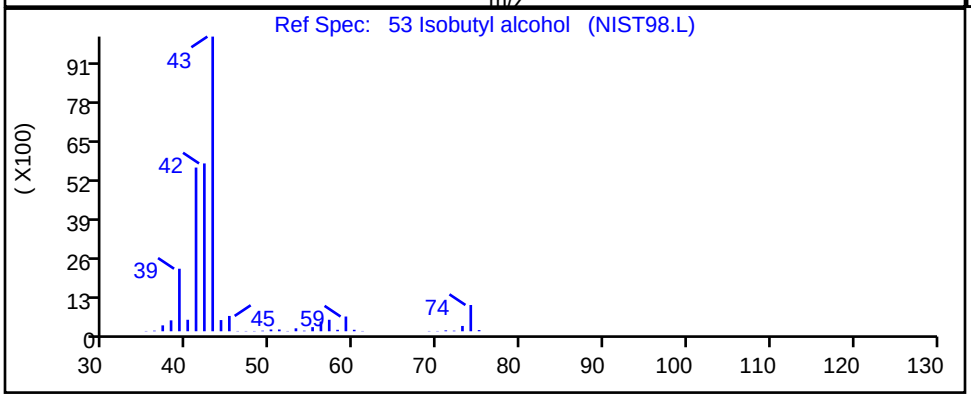
Processing Results











RT	Mass	Response	Amount
4.80	41.00	1138584	1133.5337
4.80	43.00	1619422	

Reviewer: laveyt, 30-Apr-2019 15:25:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

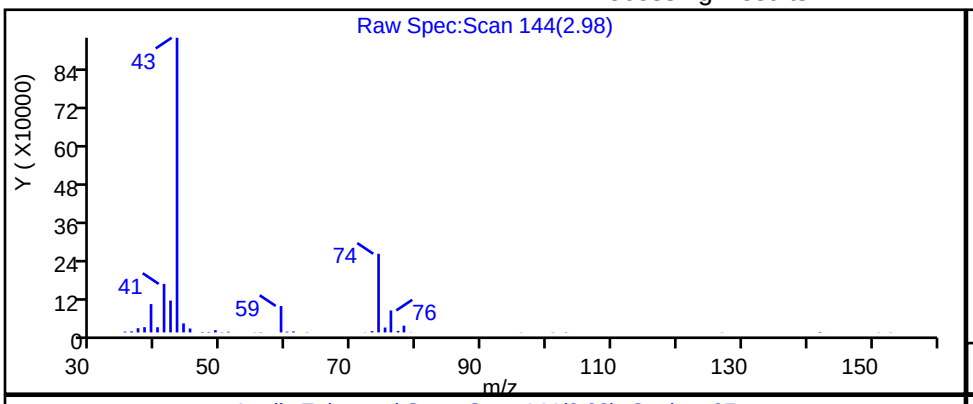
User Disabled Compound Report

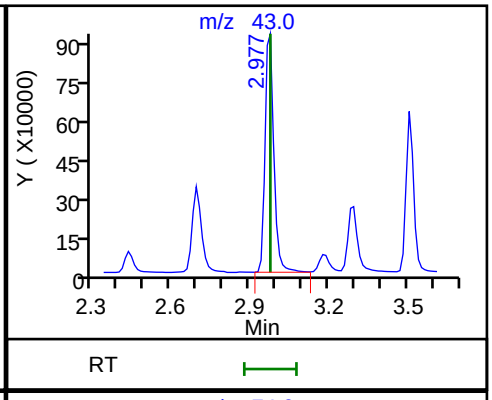
Eurofins TestAmerica, Canton

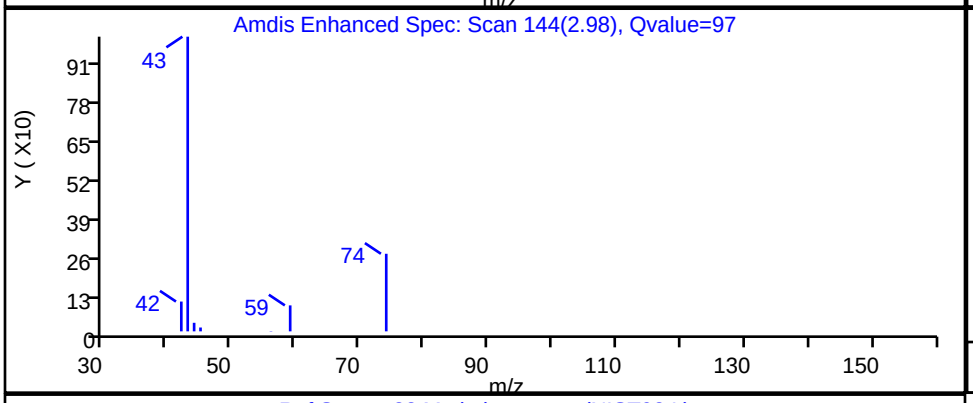
Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D
Injection Date: 30-Apr-2019 14:10:30 Instrument ID: A3UX12
Lims ID: std8260 L7
Client ID:
Operator ID: 001904 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

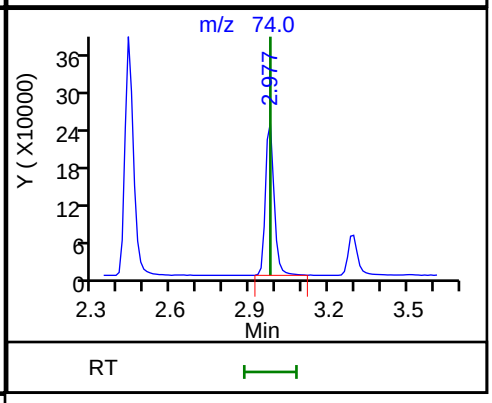
28 Methyl acetate, CAS: 79-20-9

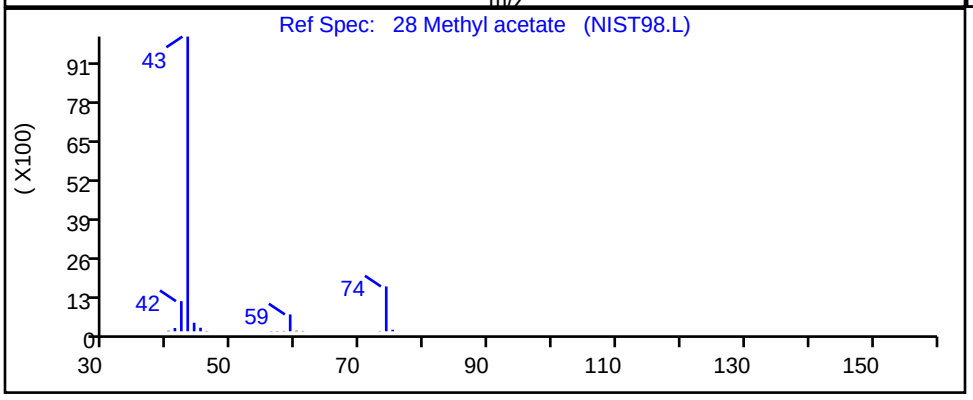
Processing Results











RT	Mass	Response	Amount
2.98	43.00	2177198	116.3615
2.98	74.00	577255	

Reviewer: laveyt, 30-Apr-2019 15:24:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

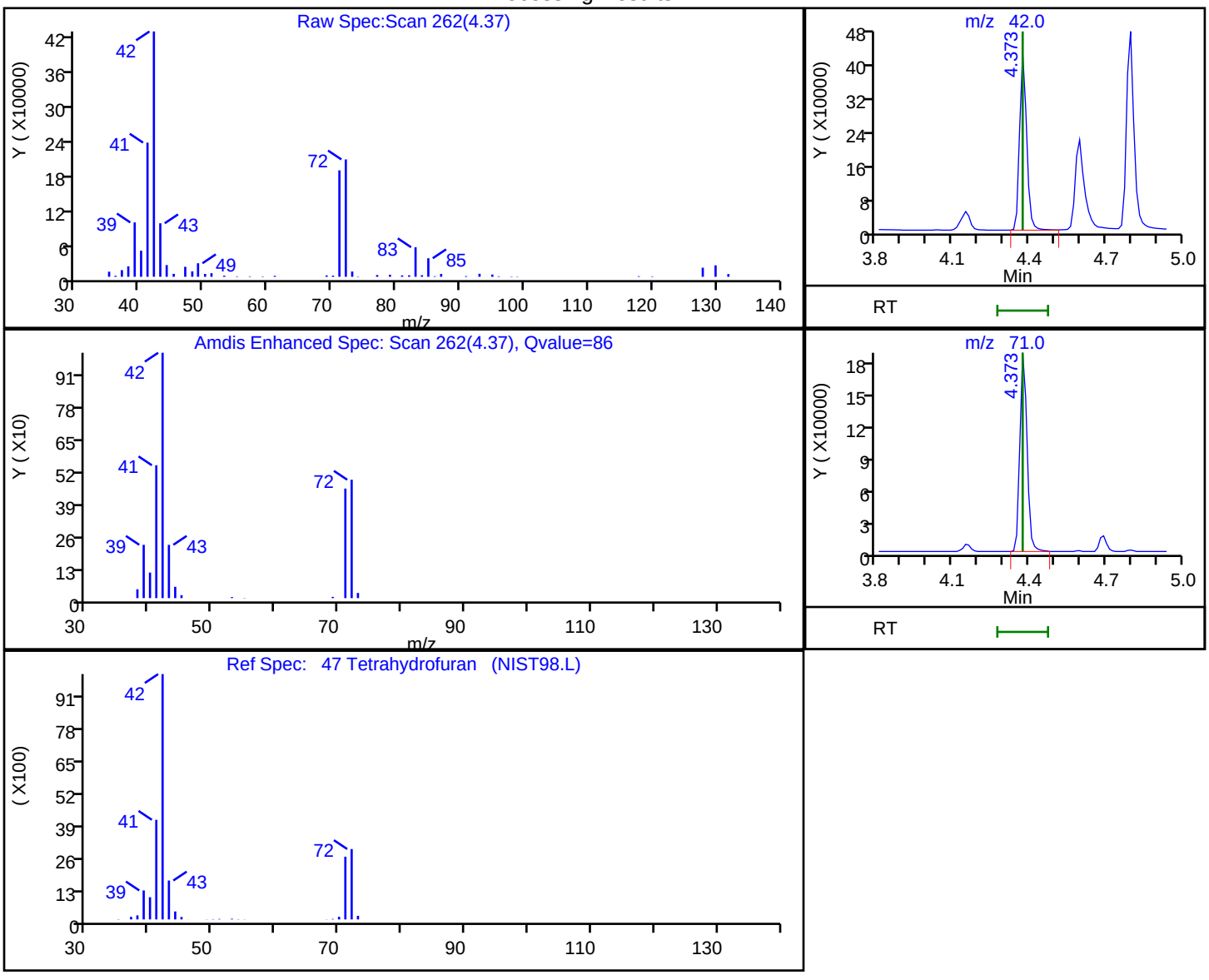
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D
Injection Date: 30-Apr-2019 14:10:30 Instrument ID: A3UX12
Lims ID: std8260 L7
Client ID:
Operator ID: 001904 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

47 Tetrahydrofuran, CAS: 109-99-9

Processing Results



RT	Mass	Response	Amount
4.37	42.00	828689	103.3614
4.37	71.00	366944	

Reviewer: laveyt, 30-Apr-2019 15:25:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

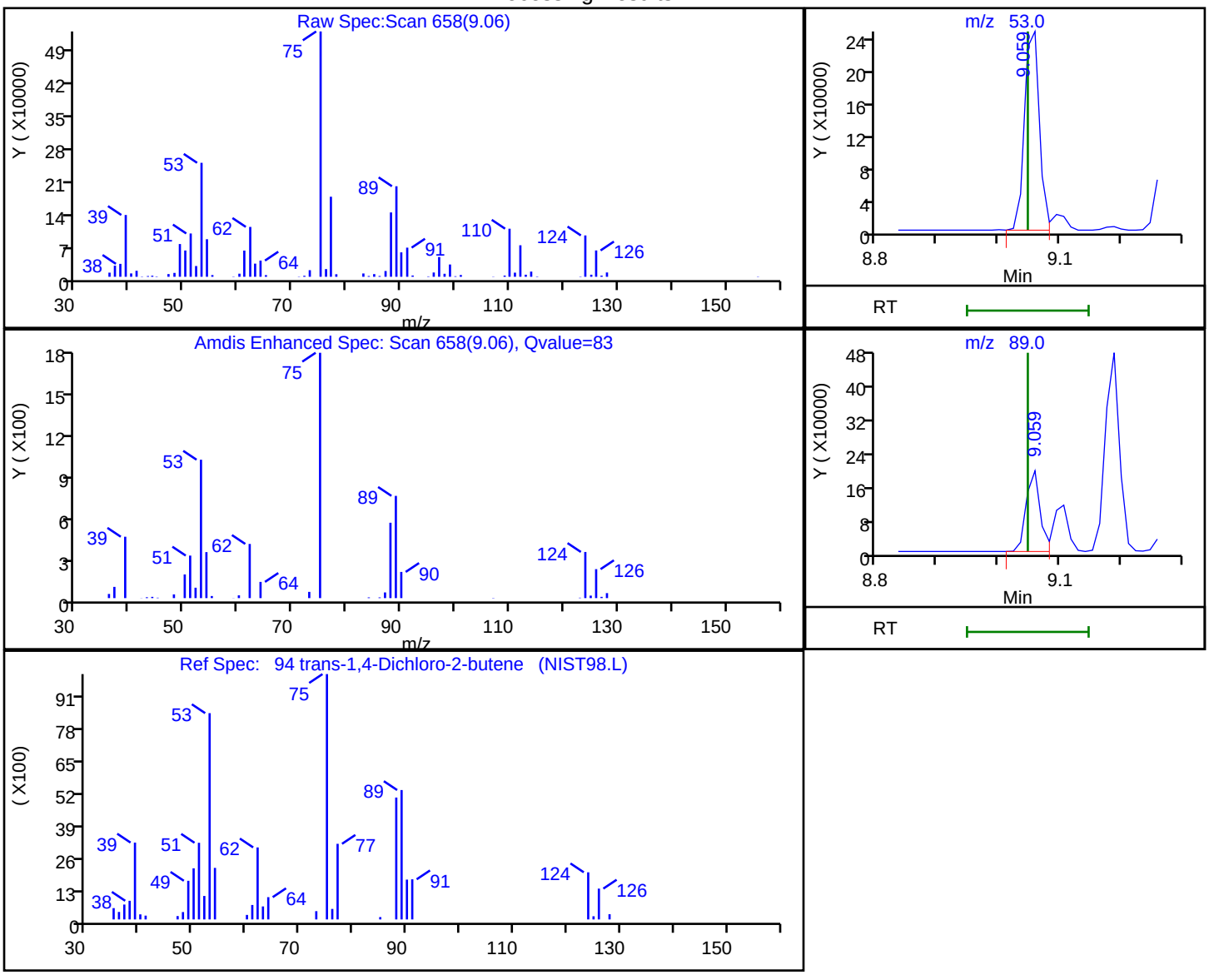
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D
Injection Date: 30-Apr-2019 14:10:30 Instrument ID: A3UX12
Lims ID: std8260 L7
Client ID:
Operator ID: 001904 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

94 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Processing Results



RT	Mass	Response	Amount
9.06	53.00	418490	63.161578
9.06	89.00	314865	

Reviewer: laveyt, 30-Apr-2019 15:28:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

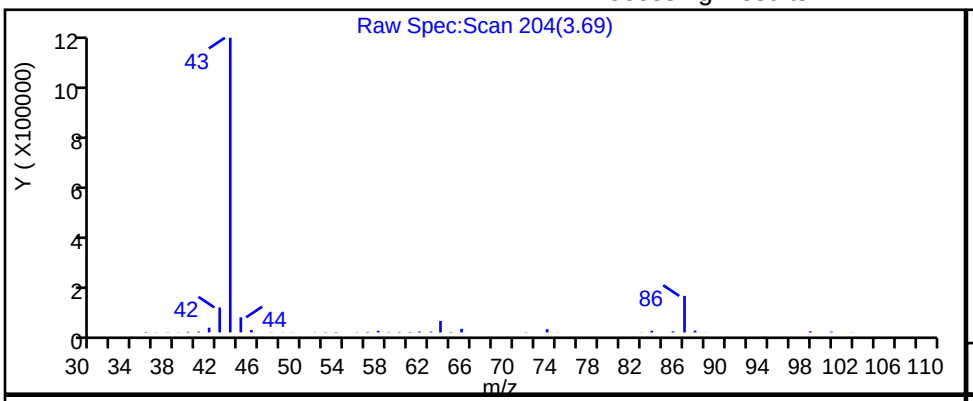
User Disabled Compound Report

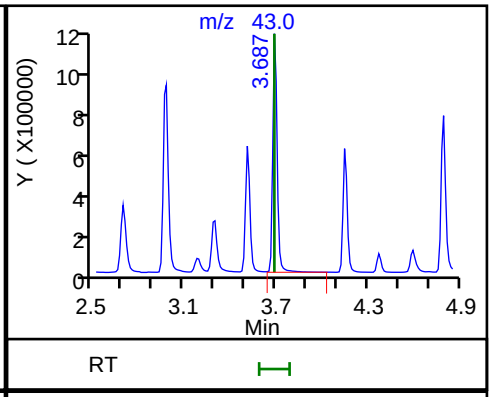
Eurofins TestAmerica, Canton

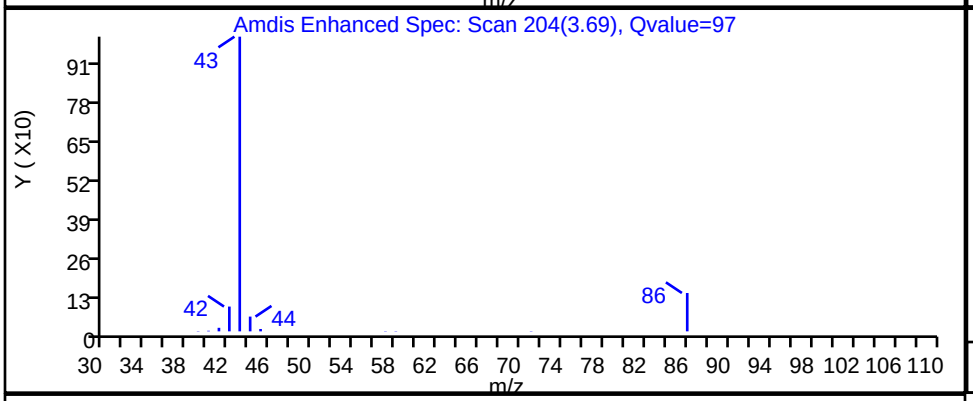
Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269795.D
Injection Date: 30-Apr-2019 14:10:30 Instrument ID: A3UX12
Lims ID: std8260 L7
Client ID:
Operator ID: 001904 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

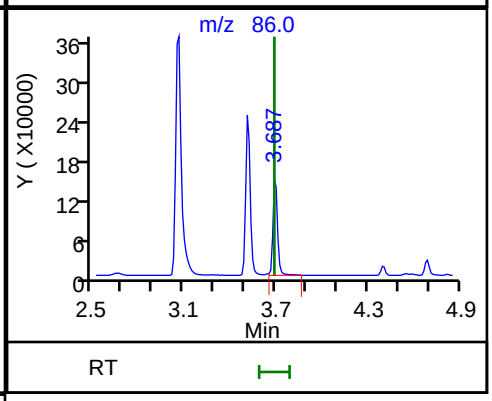
36 Vinyl acetate, CAS: 108-05-4

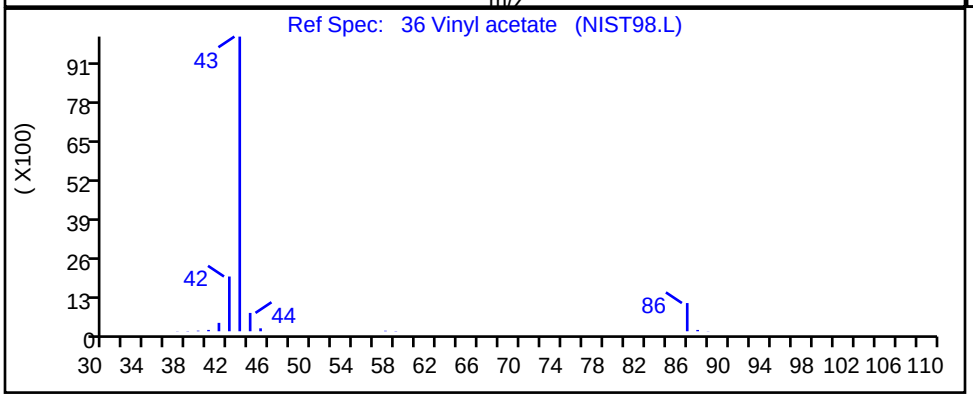
Processing Results











RT	Mass	Response	Amount
3.69	43.00	2383821	69.721119
3.69	86.00	313435	

Reviewer: laveyt, 30-Apr-2019 15:25:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269796.D
Lims ID: std8260 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 30-Apr-2019 14:33:30 ALS Bottle#: 3 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-009
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Apr-2019 17:22:19 Calib Date: 30-Apr-2019 16:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: laveyt Date: 30-Apr-2019 15:00:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1251919	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.757	7.758	-0.001	83	873681	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.970	9.970	0.000	92	477326	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	4.539	4.539	0.000	94	988457	60.0	59.4	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.823	4.823	0.000	99	1110364	60.0	59.4	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	92	3550979	60.0	57.4	
$ 7 4-Bromofluorobenzene (Surr	95	8.858	8.858	0.000	94	1310206	60.0	57.5	
9 Dichlorodifluoromethane	85	1.403	1.403	0.000	100	1567191	60.0	65.0	
10 Chloromethane	50	1.581	1.581	0.000	98	1257715	60.0	59.5	
11 Butadiene	54	1.640	1.640	0.000	88	1449292	60.0	62.4	
12 Vinyl chloride	62	1.675	1.675	0.000	97	1455844	60.0	61.7	
14 Bromomethane	94	1.912	1.912	0.000	90	883232	60.0	60.6	
15 Chloroethane	64	1.983	1.995	-0.012	99	918797	60.0	62.0	
16 Dichlorofluoromethane	67	2.172	2.172	0.000	98	1807740	60.0	61.0	
17 Trichlorofluoromethane	101	2.220	2.220	0.000	99	1662729	60.0	63.2	
19 Ethyl ether	59	2.433	2.433	0.000	89	929149	60.0	58.8	
20 Acrolein	56	2.551	2.551	0.000	99	1380457	300.0	292.2	
21 1,1-Dichloroethene	61	2.634	2.634	0.000	97	1522285	60.0	58.8	
22 1,1,2-Trichloro-1,2,2-trif	101	2.669	2.669	0.000	94	1054000	60.0	61.5	
23 Acetone	43	2.693	2.693	0.000	100	1067191	120.0	119.8	
24 Iodomethane	142	2.764	2.764	0.000	97	1619670	60.0	58.9	
25 Carbon disulfide	76	2.811	2.823	-0.012	99	3310792	60.0	55.6	
27 3-Chloro-1-propene	41	2.941	2.953	-0.012	93	1697487	60.0	57.5	
28 Methyl acetate	43	2.977	2.977	0.000	97	2530486	120.0	116.2	
29 Methylene Chloride	49	3.060	3.060	0.000	89	1311846	60.0	59.6	
30 2-Methyl-2-propanol	59	3.178	3.166	0.012	100	2552659	600.0	557.0	
31 Acrylonitrile	53	3.273	3.273	0.000	99	6486159	600.0	572.2	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	98	1450217	60.0	57.0	
33 Methyl tert-butyl ether	73	3.296	3.285	0.011	94	3027404	60.0	57.6	
34 Hexane	57	3.509	3.510	-0.001	89	1702774	60.0	61.3	
35 1,1-Dichloroethane	63	3.651	3.652	-0.001	96	1856520	60.0	58.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	3.687	3.687	0.000	97	2173371	60.0	61.0	
41 2,2-Dichloropropane	77	4.137	4.137	0.000	60	1156337	60.0	56.2	
40 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	80	1255612	60.0	58.2	
42 2-Butanone (MEK)	72	4.148	4.149	-0.001	99	482200	120.0	123.6	
46 Chlorobromomethane	49	4.338	4.338	0.000	95	858112	60.0	56.8	
47 Tetrahydrofuran	42	4.373	4.373	0.000	86	1132369	120.0	120.6	
48 Chloroform	83	4.397	4.397	0.000	93	1766502	60.0	58.3	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	98	1574408	60.0	60.5	
50 Cyclohexane	84	4.598	4.598	0.000	87	1928649	60.0	61.0	
51 1,1-Dichloropropene	75	4.693	4.693	0.000	96	1521069	60.0	59.1	
52 Carbon tetrachloride	117	4.693	4.693	0.000	79	1327796	60.0	60.0	
53 Isobutyl alcohol	41	4.799	4.788	0.011	94	1784970	1500.0	1434.1	
54 Benzene	78	4.870	4.870	0.000	95	4341955	60.0	58.9	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	1329568	60.0	58.6	
57 n-Heptane	57	5.071	5.071	0.000	93	841832	60.0	61.6	
59 Trichloroethene	130	5.403	5.403	0.000	97	1167306	60.0	59.2	
61 Methylcyclohexane	83	5.568	5.568	0.000	86	2177617	60.0	61.6	
62 1,2-Dichloropropane	63	5.604	5.604	0.000	93	937223	60.0	60.2	
64 Dibromomethane	174	5.710	5.710	0.000	97	757811	60.0	57.4	
65 1,4-Dioxane	88	5.722	5.722	0.000	90	298901	1200.0	1193.3	
66 Dichlorobromomethane	83	5.829	5.829	0.000	100	1304681	60.0	61.4	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	92	1435551	120.0	127.0	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	96	1566673	60.0	60.5	
70 4-Methyl-2-pentanone (MIBK	43	6.349	6.349	0.000	95	2858560	120.0	119.1	
71 Toluene	91	6.515	6.515	0.000	99	4263658	60.0	58.3	
72 trans-1,3-Dichloropropene	75	6.704	6.704	0.000	92	1400355	60.0	59.2	
74 Ethyl methacrylate	69	6.775	6.775	0.000	89	1413898	60.0	62.0	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	91	861361	60.0	59.3	
76 Tetrachloroethene	166	7.000	7.000	0.000	97	1157587	60.0	59.6	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	88	1521180	60.0	59.0	
78 2-Hexanone	43	7.095	7.095	0.000	93	2004012	120.0	114.7	
80 Chlorodibromomethane	129	7.225	7.225	0.000	90	919717	60.0	60.9	
81 Ethylene Dibromide	107	7.331	7.332	-0.001	98	941630	60.0	60.3	
83 Chlorobenzene	112	7.781	7.781	0.000	95	2734043	60.0	57.9	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	95	987481	60.0	59.9	
85 Ethylbenzene	106	7.876	7.876	0.000	98	1545630	60.0	58.7	
86 m-Xylene & p-Xylene	106	7.982	7.982	0.000	99	1937780	60.0	59.3	
87 o-Xylene	106	8.361	8.361	0.000	95	1931683	60.0	58.5	
88 Styrene	104	8.373	8.373	0.000	94	3161922	60.0	59.7	
89 Bromoform	173	8.550	8.550	0.000	98	697809	60.0	63.9	
90 Isopropylbenzene	105	8.704	8.704	0.000	95	5047046	60.0	58.7	
92 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	86	1444688	60.0	61.5	
93 Bromobenzene	156	9.000	9.000	0.000	89	1209647	60.0	58.5	
95 1,2,3-Trichloropropane	110	9.047	9.047	0.000	86	516092	60.0	58.0	
94 trans-1,4-Dichloro-2-buten	53	9.059	9.047	0.012	81	451551	60.0	59.3	
96 N-Propylbenzene	120	9.106	9.107	-0.001	98	1416141	60.0	60.2	
97 2-Chlorotoluene	126	9.189	9.189	0.000	97	1168744	60.0	59.3	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	4038075	60.0	59.5	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	1186575	60.0	58.3	
102 tert-Butylbenzene	119	9.592	9.592	0.000	91	3712091	60.0	60.2	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	4146548	60.0	59.0	
105 sec-Butylbenzene	105	9.805	9.805	0.000	93	5308368	60.0	59.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	9.911	9.911	0.000	98	2338079	60.0	57.4	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	97	4555449	60.0	59.4	
108 1,4-Dichlorobenzene	146	9.994	9.994	0.000	96	2363448	60.0	56.4	
111 n-Butylbenzene	91	10.349	10.349	0.000	96	3900305	60.0	59.6	
112 1,2-Dichlorobenzene	146	10.361	10.361	0.000	98	2247875	60.0	56.9	
113 1,2-Dibromo-3-Chloropropan	157	11.142	11.142	0.000	94	477069	60.0	62.2	
115 1,2,4-Trichlorobenzene	180	11.958	11.946	0.012	94	1562937	60.0	56.6	
116 Hexachlorobutadiene	225	12.124	12.124	0.000	96	675267	60.0	55.4	
117 Naphthalene	128	12.195	12.195	0.000	97	5009873	60.0	57.9	
118 1,2,3-Trichlorobenzene	180	12.443	12.443	0.000	96	1426661	60.0	55.9	
S 124 Trihalomethanes, Total	1				0		240.0	244.5	
S 125 Total BTEX	1				0		300.0	293.7	
S 126 1,2-Dichloroethene, Total	96				0			115.3	
S 127 1,3-Dichloropropene, Total	75				0			119.7	
S 128 Xylenes, Total	106				0		120.0	117.8	

Reagents:

vm50is_stk_A_00003	Amount Added:	2.00	Units: uL
vmrgas_00291	Amount Added:	48.00	Units: uL
vm50ss_00362	Amount Added:	48.00	Units: uL
vmarolistdw_00294	Amount Added:	48.00	Units: uL
vmrprimw_00331	Amount Added:	48.00	Units: uL

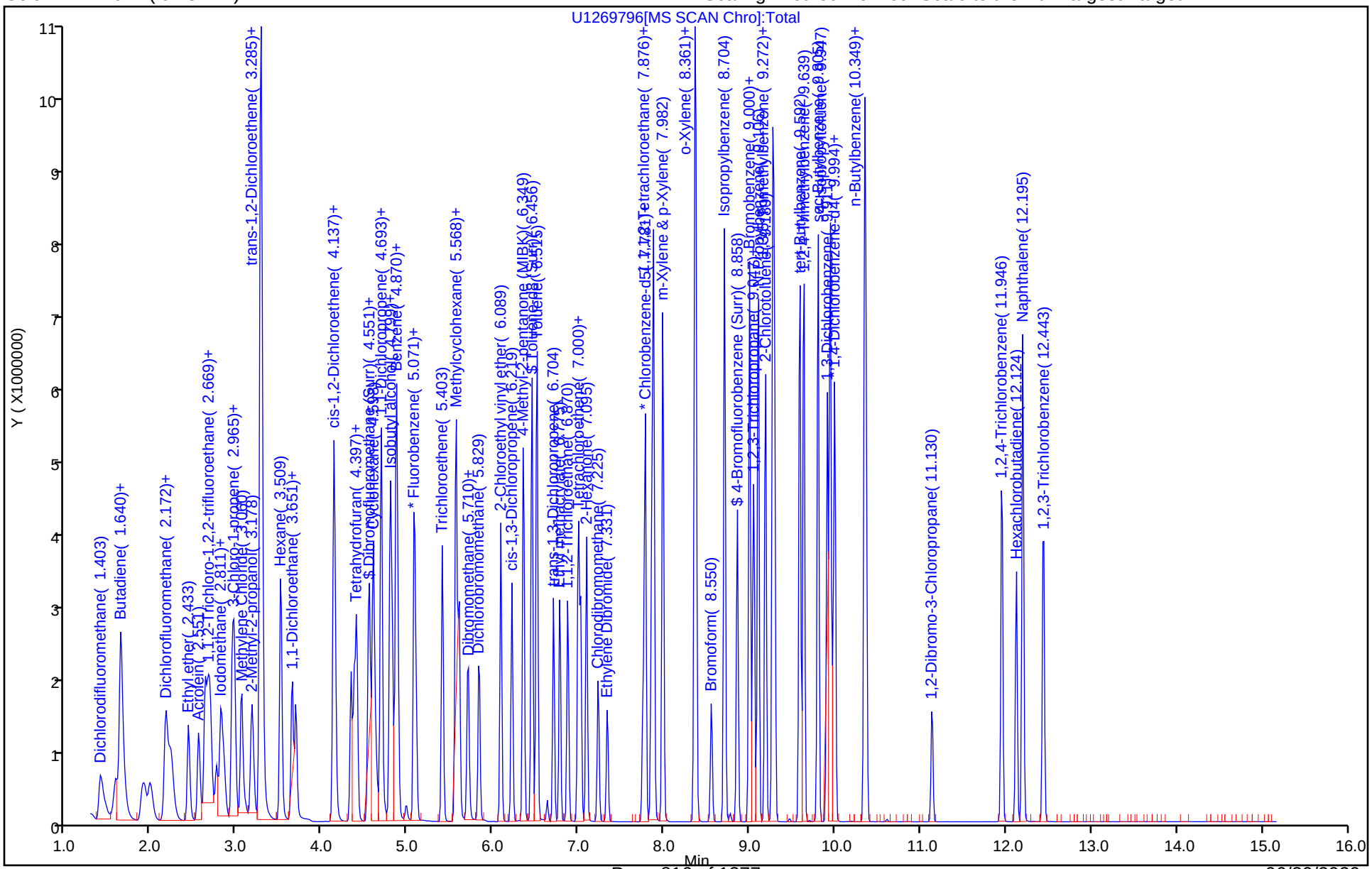
Report Date: 30-Apr-2019 17:22:24 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269796.D

Injection Date:	30-Apr-2019 14:33:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	std8260 L6			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269797.D
Lims ID: std8260 L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 30-Apr-2019 14:55:30 ALS Bottle#: 4 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-010
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Apr-2019 17:22:36 Calib Date: 30-Apr-2019 16:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: laveyt Date: 30-Apr-2019 15:22:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1247371	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.758	0.000	84	848037	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.971	9.970	0.001	93	466349	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	4.539	4.539	0.000	94	680998	40.0	41.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.823	4.823	0.000	98	754824	40.0	40.5	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	92	2403057	40.0	40.0	
$ 7 4-Bromofluorobenzene (Surr	95	8.858	8.858	0.000	95	874019	40.0	39.5	
9 Dichlorodifluoromethane	85	1.404	1.403	0.001	99	1030351	40.0	42.9	
10 Chloromethane	50	1.581	1.581	0.000	99	863765	40.0	41.0	
11 Butadiene	54	1.640	1.640	0.000	87	960327	40.0	41.5	
12 Vinyl chloride	62	1.664	1.675	-0.011	98	970649	40.0	41.3	
14 Bromomethane	94	1.912	1.912	0.000	90	590824	40.0	40.7	
15 Chloroethane	64	1.983	1.995	-0.012	99	592754	40.0	40.1	
16 Dichlorofluoromethane	67	2.161	2.172	-0.011	97	1183160	40.0	40.1	
17 Trichlorofluoromethane	101	2.208	2.220	-0.012	98	1094737	40.0	41.8	
19 Ethyl ether	59	2.433	2.433	0.000	89	641131	40.0	40.7	
20 Acrolein	56	2.551	2.551	0.000	99	946268	200.0	201.0	
21 1,1-Dichloroethene	61	2.634	2.634	0.000	97	1043595	40.0	40.5	
22 1,1,2-Trichloro-1,2,2-trif	101	2.658	2.669	-0.011	93	708990	40.0	41.5	
23 Acetone	43	2.693	2.693	0.000	100	729471	80.0	81.5	
24 Iodomethane	142	2.764	2.764	0.000	97	1115860	40.0	40.7	
25 Carbon disulfide	76	2.823	2.823	0.000	99	2267883	40.0	38.2	
27 3-Chloro-1-propene	41	2.942	2.953	-0.011	93	1176034	40.0	40.0	
28 Methyl acetate	43	2.977	2.977	0.000	97	1715851	80.0	79.1	
29 Methylene Chloride	49	3.060	3.060	0.000	90	930086	40.0	41.6	
30 2-Methyl-2-propanol	59	3.178	3.166	0.012	100	1790088	400.0	392.0	
31 Acrylonitrile	53	3.273	3.273	0.000	99	4436089	400.0	392.7	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	98	1013326	40.0	40.0	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	94	2131851	40.0	40.7	
34 Hexane	57	3.510	3.510	0.000	90	1142313	40.0	41.3	
35 1,1-Dichloroethane	63	3.652	3.652	0.000	96	1284657	40.0	40.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	3.687	3.687	0.000	97	1462850	40.0	41.2	
41 2,2-Dichloropropane	77	4.137	4.137	0.000	61	841953	40.0	41.1	
40 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	81	866934	40.0	40.4	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	99	322049	80.0	82.9	
46 Chlorobromomethane	49	4.338	4.338	0.000	95	598675	40.0	39.8	
47 Tetrahydrofuran	42	4.374	4.373	0.001	86	755334	80.0	80.7	
48 Chloroform	83	4.397	4.397	0.000	95	1231881	40.0	40.8	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	98	1083939	40.0	41.8	
50 Cyclohexane	84	4.598	4.598	0.000	87	1285622	40.0	40.8	
51 1,1-Dichloropropene	75	4.693	4.693	0.000	95	1034085	40.0	40.4	
52 Carbon tetrachloride	117	4.693	4.693	0.000	82	940122	40.0	42.7	
53 Isobutyl alcohol	41	4.788	4.788	0.000	94	1254651	1000.0	1011.7	
54 Benzene	78	4.871	4.870	0.001	95	2963156	40.0	40.3	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	908435	40.0	40.2	
57 n-Heptane	57	5.072	5.071	0.001	94	571599	40.0	41.0	
59 Trichloroethene	130	5.403	5.403	0.000	96	793097	40.0	40.3	
61 Methylcyclohexane	83	5.569	5.568	0.001	86	1493017	40.0	42.4	
62 1,2-Dichloropropane	63	5.604	5.604	0.000	94	643520	40.0	41.5	
64 Dibromomethane	174	5.711	5.710	0.001	96	529643	40.0	40.2	
65 1,4-Dioxane	88	5.723	5.722	0.001	90	212766	800.0	852.6	
66 Dichlorobromomethane	83	5.829	5.829	0.000	100	894000	40.0	42.2	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	92	945507	80.0	83.9	
69 cis-1,3-Dichloropropene	75	6.220	6.219	0.001	97	1063891	40.0	41.3	
70 4-Methyl-2-pentanone (MIBK	43	6.350	6.349	0.001	95	1951525	80.0	81.6	
71 Toluene	91	6.515	6.515	0.000	99	2883485	40.0	40.6	
72 trans-1,3-Dichloropropene	75	6.705	6.704	0.001	92	945703	40.0	41.2	
74 Ethyl methacrylate	69	6.776	6.775	0.001	89	952052	40.0	43.0	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	91	581540	40.0	41.2	
76 Tetrachloroethene	166	7.000	7.000	0.000	96	784044	40.0	41.6	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	88	1025142	40.0	41.0	
78 2-Hexanone	43	7.095	7.095	0.000	93	1354308	80.0	79.9	
80 Chlorodibromomethane	129	7.225	7.225	0.000	90	633936	40.0	43.3	
81 Ethylene Dibromide	107	7.332	7.332	0.000	98	633639	40.0	41.8	
83 Chlorobenzene	112	7.781	7.781	0.000	96	1876430	40.0	41.0	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	95	674622	40.0	42.1	
85 Ethylbenzene	106	7.876	7.876	0.000	98	1066262	40.0	41.7	
86 m-Xylene & p-Xylene	106	7.983	7.982	0.001	99	1329053	40.0	41.9	
87 o-Xylene	106	8.361	8.361	0.000	96	1331003	40.0	41.5	
88 Styrene	104	8.373	8.373	0.000	95	2156541	40.0	41.9	
89 Bromoform	173	8.551	8.550	0.001	97	475190	40.0	44.8	
90 Isopropylbenzene	105	8.704	8.704	0.000	95	3506656	40.0	42.0	
92 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	86	982071	40.0	42.8	
93 Bromobenzene	156	9.000	9.000	0.000	88	818090	40.0	40.5	
95 1,2,3-Trichloropropane	110	9.048	9.047	0.001	84	356976	40.0	41.1	
94 trans-1,4-Dichloro-2-buten	53	9.048	9.047	0.001	91	305416	40.0	41.1	
96 N-Propylbenzene	120	9.107	9.107	0.000	98	966595	40.0	42.0	
97 2-Chlorotoluene	126	9.190	9.189	0.001	98	813877	40.0	42.2	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	2808258	40.0	42.4	
99 4-Chlorotoluene	126	9.296	9.296	0.000	97	815761	40.0	41.0	
102 tert-Butylbenzene	119	9.592	9.592	0.000	91	2579873	40.0	42.9	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	2883392	40.0	42.0	
105 sec-Butylbenzene	105	9.805	9.805	0.000	93	3709245	40.0	42.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	9.911	9.911	0.000	98	1612862	40.0	40.5	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	97	3212945	40.0	42.9	
108 1,4-Dichlorobenzene	146	9.994	9.994	0.000	96	1641044	40.0	40.1	
111 n-Butylbenzene	91	10.349	10.349	0.000	96	2709817	40.0	42.4	
112 1,2-Dichlorobenzene	146	10.361	10.361	0.000	99	1554362	40.0	40.3	
113 1,2-Dibromo-3-Chloropropan	157	11.142	11.142	0.000	92	325575	40.0	43.5	
115 1,2,4-Trichlorobenzene	180	11.947	11.946	0.001	94	1096024	40.0	40.7	
116 Hexachlorobutadiene	225	12.124	12.124	0.000	95	469488	40.0	39.4	
117 Naphthalene	128	12.195	12.195	0.000	97	3569051	40.0	42.3	
118 1,2,3-Trichlorobenzene	180	12.444	12.443	0.001	96	1001370	40.0	40.1	
S 124 Trihalomethanes, Total	1				0		160.0	171.1	
S 125 Total BTEX	1				0		200.0	206.1	
S 126 1,2-Dichloroethene, Total	96				0			80.3	
S 127 1,3-Dichloropropene, Total	75				0			82.4	
S 128 Xylenes, Total	106				0		80.0	83.4	

Reagents:

vm50is_stk_A_00003	Amount Added:	2.00	Units: uL
vmrgas_00291	Amount Added:	32.00	Units: uL
vm50ss_00362	Amount Added:	32.00	Units: uL
vmarolistdw_00294	Amount Added:	32.00	Units: uL
vmrprimw_00331	Amount Added:	32.00	Units: uL

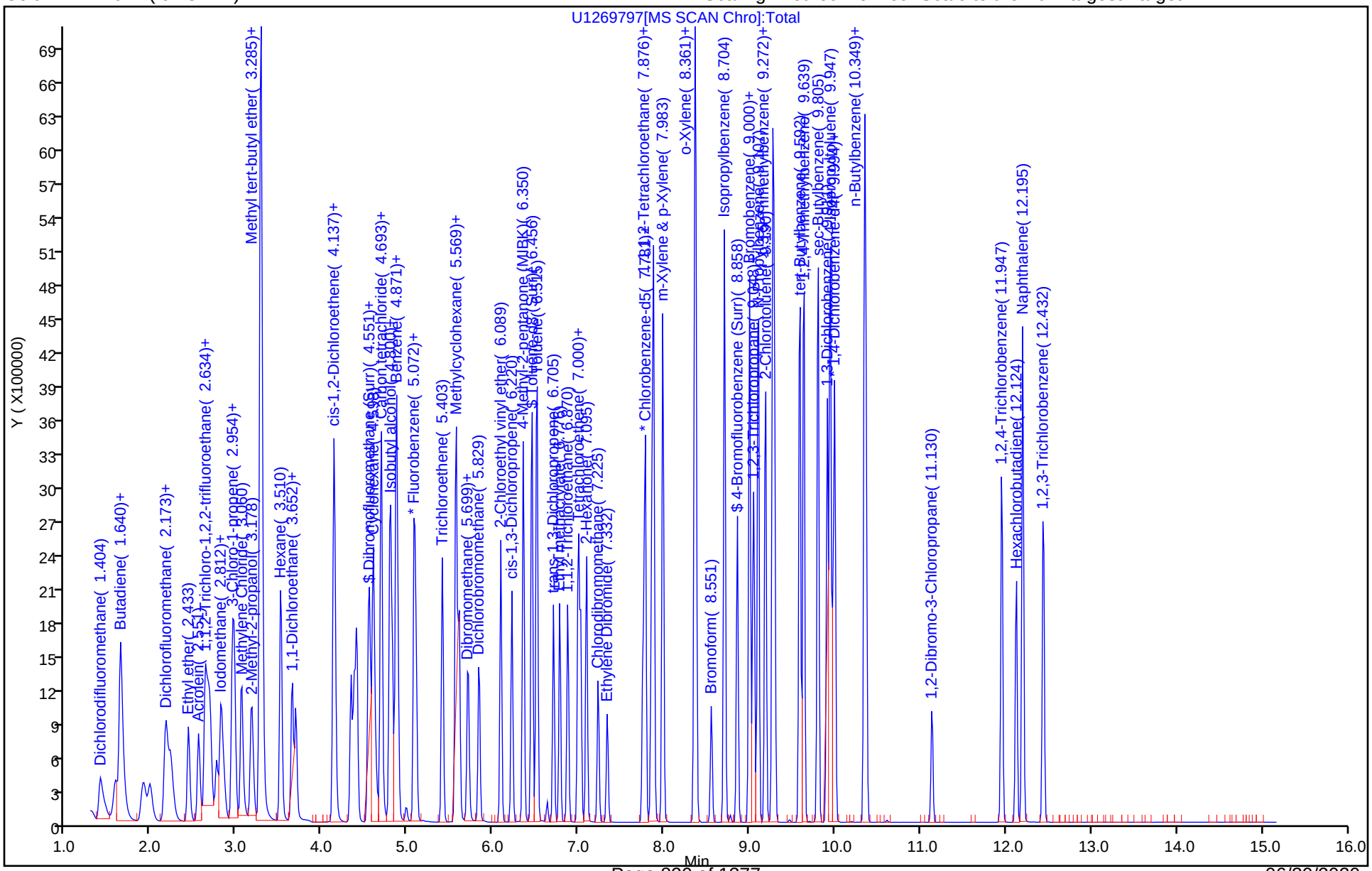
Report Date: 30-Apr-2019 17:22:42 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269797.D

Injection Date:	30-Apr-2019 14:55:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	std8260 L5			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269798.D
Lims ID: ICIS L4
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 30-Apr-2019 15:17:30 ALS Bottle#: 5 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-011
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Apr-2019 17:22:54 Calib Date: 30-Apr-2019 16:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: laveyt Date: 30-Apr-2019 16:03:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1246876	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.758	0.000	83	855324	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.970	9.970	0.000	94	464704	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	4.539	4.539	0.000	94	332600	20.0	20.1	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.823	4.823	0.000	96	366398	20.0	19.7	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	92	1181805	20.0	19.5	
$ 7 4-Bromofluorobenzene (Surr	95	8.858	8.858	0.000	95	426237	20.0	19.1	
9 Dichlorodifluoromethane	85	1.403	1.403	0.000	99	496091	20.0	20.7	
10 Chloromethane	50	1.581	1.581	0.000	99	403612	20.0	19.2	
11 Butadiene	54	1.640	1.640	0.000	88	460371	20.0	19.9	
12 Vinyl chloride	62	1.675	1.675	0.000	97	463335	20.0	19.7	
14 Bromomethane	94	1.912	1.912	0.000	90	290732	20.0	20.0	
15 Chloroethane	64	1.995	1.995	0.000	99	292854	20.0	19.8	
16 Dichlorofluoromethane	67	2.172	2.172	0.000	97	575498	20.0	19.5	
17 Trichlorofluoromethane	101	2.220	2.220	0.000	99	524611	20.0	20.0	
19 Ethyl ether	59	2.433	2.433	0.000	89	308106	20.0	19.6	
20 Acrolein	56	2.551	2.551	0.000	99	454386	100.0	96.6	
21 1,1-Dichloroethene	61	2.634	2.634	0.000	97	508373	20.0	19.7	
22 1,1,2-Trichloro-1,2,2-trif	101	2.669	2.669	0.000	94	345600	20.0	20.3	
23 Acetone	43	2.693	2.693	0.000	100	354093	40.0	38.4	
24 Iodomethane	142	2.764	2.764	0.000	97	538227	20.0	19.6	
25 Carbon disulfide	76	2.823	2.823	0.000	99	1117299	20.0	18.8	
27 3-Chloro-1-propene	41	2.953	2.953	0.000	92	560067	20.0	19.1	
28 Methyl acetate	43	2.977	2.977	0.000	97	825132	40.0	38.0	
29 Methylene Chloride	49	3.060	3.060	0.000	90	464186	20.0	19.4	
30 2-Methyl-2-propanol	59	3.166	3.166	0.000	100	872907	200.0	191.3	
31 Acrylonitrile	53	3.273	3.273	0.000	99	2135420	200.0	189.1	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	71	492658	20.0	19.4	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	94	1039087	20.0	19.8	
34 Hexane	57	3.510	3.510	0.000	90	557732	20.0	20.2	
35 1,1-Dichloroethane	63	3.652	3.652	0.000	96	622049	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
36 Vinyl acetate	43	3.687	3.687	0.000	97	700651	20.0	19.7	
41 2,2-Dichloropropane	77	4.137	4.137	0.000	61	412857	20.0	20.1	
40 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	80	417933	20.0	19.5	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	99	151425	40.0	39.0	
46 Chlorobromomethane	49	4.338	4.338	0.000	94	288735	20.0	19.2	
47 Tetrahydrofuran	42	4.373	4.373	0.000	86	360495	40.0	38.5	
48 Chloroform	83	4.397	4.397	0.000	94	602114	20.0	19.9	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	98	533200	20.0	20.6	
50 Cyclohexane	84	4.598	4.598	0.000	87	642956	20.0	20.4	
51 1,1-Dichloropropene	75	4.693	4.693	0.000	96	504905	20.0	19.7	
52 Carbon tetrachloride	117	4.693	4.693	0.000	81	453383	20.0	20.6	
53 Isobutyl alcohol	41	4.788	4.788	0.000	94	615511	500.0	496.5	
54 Benzene	78	4.870	4.870	0.000	95	1437120	20.0	19.6	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	441298	20.0	19.5	
57 n-Heptane	57	5.071	5.071	0.000	90	299975	20.0	20.1	
59 Trichloroethene	130	5.403	5.403	0.000	96	387176	20.0	19.7	
61 Methylcyclohexane	83	5.568	5.568	0.000	85	720921	20.0	20.5	
62 1,2-Dichloropropane	63	5.604	5.604	0.000	93	307704	20.0	19.8	
64 Dibromomethane	174	5.710	5.710	0.000	97	249664	20.0	19.0	
65 1,4-Dioxane	88	5.722	5.722	0.000	90	110260	400.0	442.0	
66 Dichlorobromomethane	83	5.829	5.829	0.000	100	425494	20.0	20.1	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	92	453314	40.0	40.3	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	97	507172	20.0	19.7	
70 4-Methyl-2-pentanone (MIBK	43	6.349	6.349	0.000	95	939875	40.0	39.3	
71 Toluene	91	6.515	6.515	0.000	99	1384009	20.0	19.3	
72 trans-1,3-Dichloropropene	75	6.704	6.704	0.000	92	450107	20.0	19.4	
74 Ethyl methacrylate	69	6.775	6.775	0.000	89	458650	20.0	20.5	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	90	277803	20.0	19.5	
76 Tetrachloroethene	166	7.000	7.000	0.000	96	377626	20.0	19.8	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	88	490824	20.0	19.5	
78 2-Hexanone	43	7.095	7.095	0.000	93	674546	40.0	39.4	
80 Chlorodibromomethane	129	7.225	7.225	0.000	90	298689	20.0	20.2	
81 Ethylene Dibromide	107	7.332	7.332	0.000	98	304693	20.0	19.9	
83 Chlorobenzene	112	7.781	7.781	0.000	96	892667	20.0	19.3	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	95	316979	20.0	19.6	
85 Ethylbenzene	106	7.876	7.876	0.000	98	512928	20.0	19.9	
86 m-Xylene & p-Xylene	106	7.982	7.982	0.000	99	646378	20.0	20.2	
87 o-Xylene	106	8.361	8.361	0.000	95	648657	20.0	20.1	
88 Styrene	104	8.373	8.373	0.000	95	1042824	20.0	20.1	
89 Bromoform	173	8.550	8.550	0.000	97	228364	20.0	21.4	
90 Isopropylbenzene	105	8.704	8.704	0.000	95	1698359	20.0	20.2	
92 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	86	473524	20.0	20.7	
93 Bromobenzene	156	9.000	9.000	0.000	87	400745	20.0	19.9	
95 1,2,3-Trichloropropane	110	9.047	9.047	0.000	84	173052	20.0	20.0	
94 trans-1,4-Dichloro-2-buten	53	9.047	9.047	0.000	93	148061	20.0	20.0	
96 N-Propylbenzene	120	9.107	9.107	0.000	98	470058	20.0	20.5	
97 2-Chlorotoluene	126	9.189	9.189	0.000	97	385627	20.0	20.1	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	1351432	20.0	20.5	
99 4-Chlorotoluene	126	9.296	9.296	0.000	97	390042	20.0	19.7	
102 tert-Butylbenzene	119	9.592	9.592	0.000	91	1219799	20.0	20.3	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	1387358	20.0	20.3	
105 sec-Butylbenzene	105	9.805	9.805	0.000	93	1774243	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
106 1,3-Dichlorobenzene	146	9.911	9.911	0.000	98	777449	20.0	19.6	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	97	1531521	20.0	20.5	
108 1,4-Dichlorobenzene	146	9.994	9.994	0.000	96	792152	20.0	19.4	
111 n-Butylbenzene	91	10.349	10.349	0.000	97	1300578	20.0	20.4	
112 1,2-Dichlorobenzene	146	10.361	10.361	0.000	99	748334	20.0	19.5	
113 1,2-Dibromo-3-Chloropropan	157	11.142	11.142	0.000	90	148124	20.0	19.8	
115 1,2,4-Trichlorobenzene	180	11.946	11.946	0.000	94	494279	20.0	18.4	
116 Hexachlorobutadiene	225	12.124	12.124	0.000	95	224541	20.0	18.9	
117 Naphthalene	128	12.195	12.195	0.000	97	1637491	20.0	19.5	
118 1,2,3-Trichlorobenzene	180	12.443	12.443	0.000	96	456339	20.0	18.4	
S 124 Trihalomethanes, Total	1				0		80.0	81.6	
S 125 Total BTEX	1				0		100.0	99.1	
S 128 Xylenes, Total	106				0		40.0	40.3	

Reagents:

vm50is_stk_A_00003	Amount Added:	2.00	Units: uL
vmrgas_00291	Amount Added:	16.00	Units: uL
vm50ss_00362	Amount Added:	16.00	Units: uL
vmarolistdw_00294	Amount Added:	16.00	Units: uL
vmrprimw_00331	Amount Added:	16.00	Units: uL

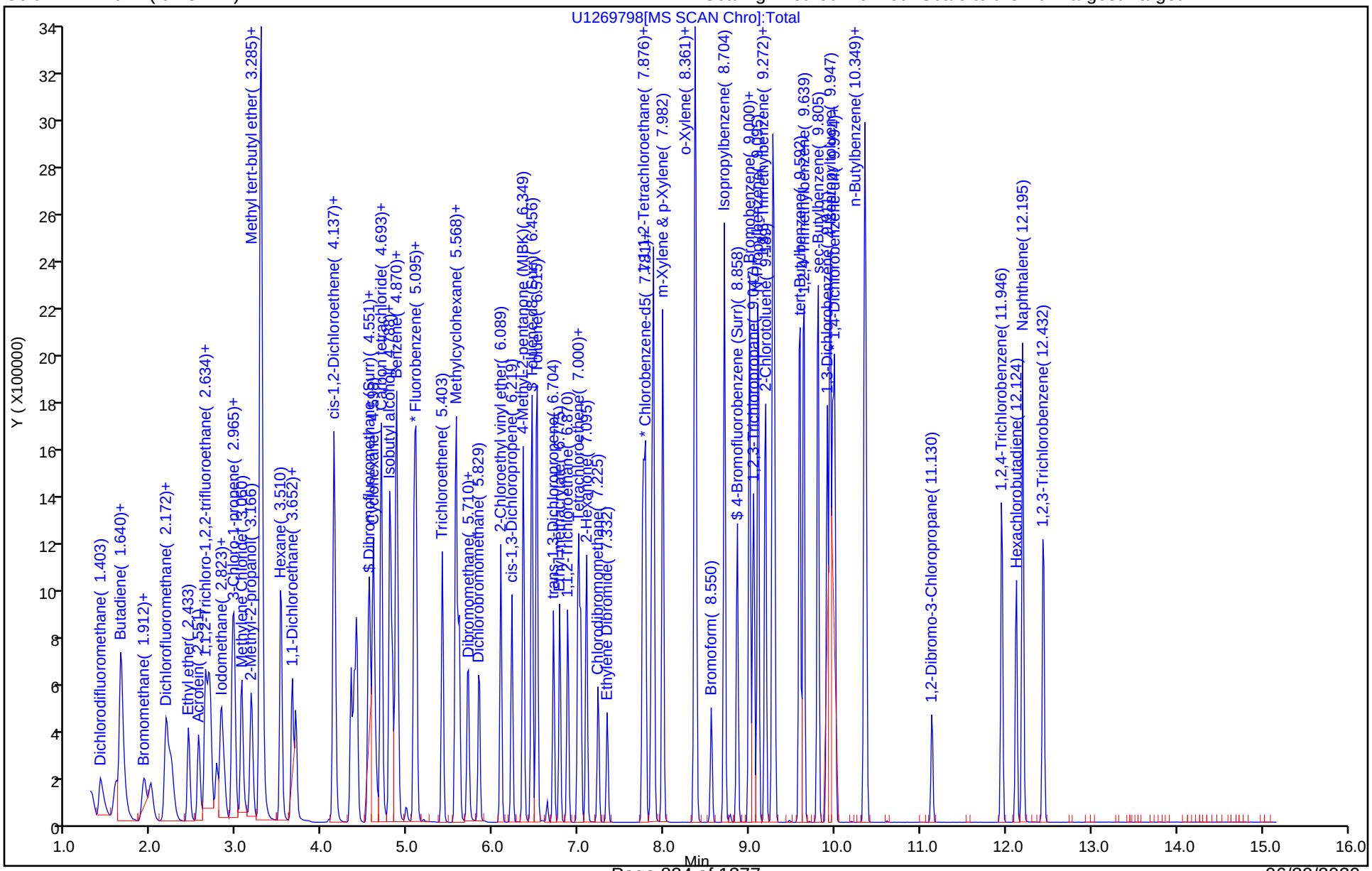
Report Date: 30-Apr-2019 17:22:59 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269798.D

Injection Date:	30-Apr-2019 15:17:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	ICIS L4			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269799.D
Lims ID: std8260 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 30-Apr-2019 15:39:30 ALS Bottle#: 6 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-012
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Apr-2019 17:23:11 Calib Date: 30-Apr-2019 16:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: laveyt Date: 30-Apr-2019 16:01:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1239226	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.757	7.758	-0.001	85	833142	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.970	9.970	0.000	93	455662	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	4.539	4.539	0.000	94	158064	10.0	9.59	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.823	4.823	0.000	96	176503	10.0	9.53	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	92	580962	10.0	9.84	
$ 7 4-Bromofluorobenzene (Surr	95	8.858	8.858	0.000	93	211821	10.0	9.74	
9 Dichlorodifluoromethane	85	1.403	1.403	0.000	100	224597	10.0	9.41	
10 Chloromethane	50	1.581	1.581	0.000	98	214265	10.0	10.2	
11 Butadiene	54	1.640	1.640	0.000	86	222795	10.0	9.70	
12 Vinyl chloride	62	1.675	1.675	0.000	97	233314	10.0	9.99	
14 Bromomethane	94	1.912	1.912	0.000	90	151619	10.0	10.5	
15 Chloroethane	64	1.995	1.995	0.000	99	148379	10.0	10.1	
16 Dichlorofluoromethane	67	2.172	2.172	0.000	97	299518	10.0	10.2	
17 Trichlorofluoromethane	101	2.220	2.220	0.000	98	261265	10.0	10.0	
19 Ethyl ether	59	2.433	2.433	0.000	89	157567	10.0	10.1	
20 Acrolein	56	2.551	2.551	0.000	100	239777	50.0	51.3	
21 1,1-Dichloroethene	61	2.634	2.634	0.000	98	255094	10.0	9.96	
22 1,1,2-Trichloro-1,2,2-trif	101	2.669	2.669	0.000	93	171045	10.0	10.1	
23 Acetone	43	2.693	2.693	0.000	100	195589	20.0	20.4	
24 Iodomethane	142	2.764	2.764	0.000	97	265387	10.0	9.75	
25 Carbon disulfide	76	2.823	2.823	0.000	99	563594	10.0	9.56	
27 3-Chloro-1-propene	41	2.953	2.953	0.000	93	284969	10.0	9.76	
28 Methyl acetate	43	2.977	2.977	0.000	97	426943	20.0	19.8	
29 Methylene Chloride	49	3.060	3.060	0.000	91	262888	10.0	9.85	
30 2-Methyl-2-propanol	59	3.166	3.166	0.000	100	452013	100.0	99.6	
31 Acrylonitrile	53	3.273	3.273	0.000	99	1113771	100.0	99.3	
32 trans-1,2-Dichloroethene	61	3.284	3.285	-0.001	69	248232	10.0	9.86	
33 Methyl tert-butyl ether	73	3.296	3.285	0.011	94	533312	10.0	10.2	
34 Hexane	57	3.521	3.510	0.011	89	279012	10.0	10.2	
35 1,1-Dichloroethane	63	3.651	3.652	-0.001	95	315456	10.0	10.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	3.687	3.687	0.000	97	346293	10.0	9.81	
41 2,2-Dichloropropane	77	4.136	4.137	-0.001	61	202782	10.0	9.95	
40 cis-1,2-Dichloroethene	96	4.136	4.137	-0.001	80	211496	10.0	9.91	
42 2-Butanone (MEK)	72	4.148	4.149	-0.001	98	78345	20.0	20.3	
46 Chlorobromomethane	49	4.338	4.338	0.000	94	146065	10.0	9.77	
47 Tetrahydrofuran	42	4.373	4.373	0.000	86	185955	20.0	20.0	
48 Chloroform	83	4.409	4.397	0.012	93	299618	10.0	9.98	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	98	258363	10.0	10.0	
50 Cyclohexane	84	4.598	4.598	0.000	87	324586	10.0	10.4	
51 1,1-Dichloropropene	75	4.693	4.693	0.000	96	255221	10.0	10.0	
52 Carbon tetrachloride	117	4.693	4.693	0.000	80	212237	10.0	9.69	
53 Isobutyl alcohol	41	4.787	4.788	-0.001	95	312412	250.0	253.6	
54 Benzene	78	4.870	4.870	0.000	95	727951	10.0	9.98	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	214099	10.0	9.53	
57 n-Heptane	57	5.071	5.071	0.000	89	171315	10.0	10.3	
59 Trichloroethene	130	5.403	5.403	0.000	97	187506	10.0	9.60	
61 Methylcyclohexane	83	5.568	5.568	0.000	86	361953	10.0	10.3	
62 1,2-Dichloropropane	63	5.604	5.604	0.000	94	154817	10.0	10.0	
64 Dibromomethane	174	5.710	5.710	0.000	93	122075	10.0	9.34	
65 1,4-Dioxane	88	5.722	5.722	0.000	89	58179	200.0	234.7	
66 Dichlorobromomethane	83	5.829	5.829	0.000	99	208118	10.0	9.89	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	92	230721	20.0	20.6	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	97	248543	10.0	9.70	
70 4-Methyl-2-pentanone (MIBK	43	6.349	6.349	0.000	95	479830	20.0	20.2	
71 Toluene	91	6.515	6.515	0.000	99	693965	10.0	9.95	
72 trans-1,3-Dichloropropene	75	6.704	6.704	0.000	92	219235	10.0	9.71	
74 Ethyl methacrylate	69	6.775	6.775	0.000	88	229870	10.0	10.6	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	89	138863	10.0	10.0	
76 Tetrachloroethene	166	7.000	7.000	0.000	96	186459	10.0	10.1	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	88	244890	10.0	9.97	
78 2-Hexanone	43	7.095	7.095	0.000	93	347483	20.0	20.9	
80 Chlorodibromomethane	129	7.225	7.225	0.000	90	141322	10.0	9.82	
81 Ethylene Dibromide	107	7.331	7.332	-0.001	99	146267	10.0	9.81	
83 Chlorobenzene	112	7.781	7.781	0.000	96	442384	10.0	9.83	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	95	154999	10.0	9.86	
85 Ethylbenzene	106	7.876	7.876	0.000	98	254036	10.0	10.1	
86 m-Xylene & p-Xylene	106	7.982	7.982	0.000	99	314453	10.0	10.1	
87 o-Xylene	106	8.361	8.361	0.000	95	311889	10.0	9.90	
88 Styrene	104	8.373	8.373	0.000	94	501125	10.0	9.92	
89 Bromoform	173	8.550	8.550	0.000	97	103500	10.0	9.94	
90 Isopropylbenzene	105	8.704	8.704	0.000	95	836910	10.0	10.2	
92 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	86	237420	10.0	10.6	
93 Bromobenzene	156	9.000	9.000	0.000	89	192642	10.0	9.76	
95 1,2,3-Trichloropropane	110	9.047	9.047	0.000	84	84888	10.0	10.0	
94 trans-1,4-Dichloro-2-buten	53	9.047	9.047	0.000	80	71337	10.0	9.82	
96 N-Propylbenzene	120	9.106	9.107	-0.001	99	227545	10.0	10.1	
97 2-Chlorotoluene	126	9.189	9.189	0.000	97	187392	10.0	9.95	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	660502	10.0	10.2	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	190484	10.0	9.80	
102 tert-Butylbenzene	119	9.591	9.592	-0.001	91	597272	10.0	10.2	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	681127	10.0	10.2	
105 sec-Butylbenzene	105	9.804	9.805	-0.001	93	878572	10.0	10.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	9.911	9.911	0.000	98	376754	10.0	9.69	
107 4-Isopropyltoluene	119	9.946	9.947	-0.001	97	745472	10.0	10.2	
108 1,4-Dichlorobenzene	146	9.994	9.994	0.000	95	379011	10.0	9.47	
111 n-Butylbenzene	91	10.349	10.349	0.000	96	629870	10.0	10.1	
112 1,2-Dichlorobenzene	146	10.361	10.361	0.000	99	360738	10.0	9.57	
113 1,2-Dibromo-3-Chloropropan	157	11.142	11.142	0.000	89	71305	10.0	9.74	
115 1,2,4-Trichlorobenzene	180	11.958	11.946	0.012	94	233740	10.0	8.87	
116 Hexachlorobutadiene	225	12.124	12.124	0.000	96	102755	10.0	8.83	
117 Naphthalene	128	12.195	12.195	0.000	97	784648	10.0	9.51	
118 1,2,3-Trichlorobenzene	180	12.443	12.443	0.000	96	212164	10.0	8.70	
S 124 Trihalomethanes, Total	1				0		40.0	39.6	
S 125 Total BTEX	1				0		50.0	50.0	
S 126 1,2-Dichloroethene, Total	96				0			19.8	
S 127 1,3-Dichloropropene, Total	75				0			19.4	
S 128 Xylenes, Total	106				0		20.0	20.0	

Reagents:

vm50is_stk_A_00003	Amount Added:	2.00	Units: uL
vmrgas_00291	Amount Added:	8.00	Units: uL
vm50ss_00362	Amount Added:	8.00	Units: uL
vmarolistdw_00294	Amount Added:	8.00	Units: uL
vmrprimw_00331	Amount Added:	8.00	Units: uL

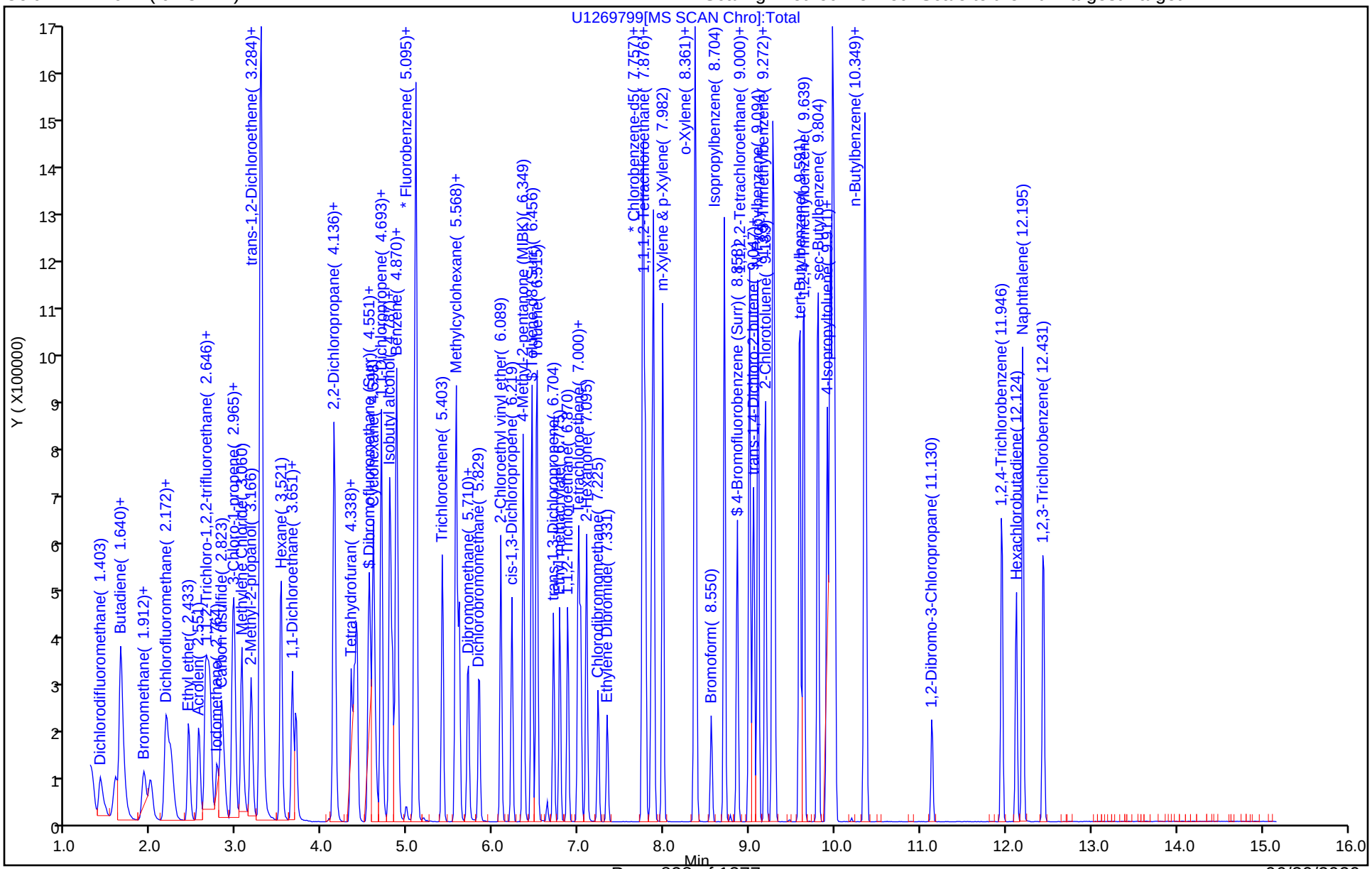
Report Date: 30-Apr-2019 17:23:17 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269799.D

Injection Date:	30-Apr-2019 15:39:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	std8260 L3			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269800.D
Lims ID: std8260 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 30-Apr-2019 16:02:30 ALS Bottle#: 7 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-013
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Apr-2019 17:23:30 Calib Date: 30-Apr-2019 16:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: laveyt Date: 30-Apr-2019 16:24:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1208766	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.758	0.000	84	823058	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.971	9.970	0.001	94	473669	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	4.539	4.539	0.000	93	16968	1.00	1.06	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.823	4.823	0.000	96	20365	1.00	1.13	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	93	66709	1.00	1.14	
$ 7 4-Bromofluorobenzene (Surr	95	8.858	8.858	0.000	93	25525	1.00	1.19	
9 Dichlorodifluoromethane	85	1.404	1.403	0.001	95	19984	1.00	0.8588	
10 Chloromethane	50	1.581	1.581	0.000	96	19082	1.00	0.9357	M
11 Butadiene	54	1.640	1.640	0.000	86	21365	1.00	0.9532	
12 Vinyl chloride	62	1.676	1.675	0.001	95	22643	1.00	0.99	
14 Bromomethane	94	1.912	1.912	0.000	87	15275	1.00	1.09	
15 Chloroethane	64	1.995	1.995	0.000	98	14836	1.00	1.04	
16 Dichlorofluoromethane	67	2.173	2.172	0.001	95	29001	1.00	1.01	
17 Trichlorofluoromethane	101	2.220	2.220	0.000	96	23742	1.00	0.9345	
19 Ethyl ether	59	2.433	2.433	0.000	88	15857	1.00	1.04	
20 Acrolein	56	2.563	2.551	0.012	99	22786	5.00	4.99	
21 1,1-Dichloroethene	61	2.634	2.634	0.000	97	25123	1.00	1.01	
22 1,1,2-Trichloro-1,2,2-trif	101	2.670	2.669	0.001	89	15799	1.00	0.9553	
23 Acetone	43	2.693	2.693	0.000	99	35750	2.00	2.01	
24 Iodomethane	142	2.764	2.764	0.000	98	27241	1.00	1.03	
25 Carbon disulfide	76	2.823	2.823	0.000	99	63418	1.00	1.10	
27 3-Chloro-1-propene	41	2.954	2.953	0.001	91	29262	1.00	1.03	
28 Methyl acetate	43	2.977	2.977	0.000	96	43336	2.00	2.06	
29 Methylene Chloride	49	3.060	3.060	0.000	90	76885	1.00	1.02	
30 2-Methyl-2-propanol	59	3.167	3.166	0.001	99	46009	10.0	10.4	
31 Acrylonitrile	53	3.273	3.273	0.000	100	114297	10.0	10.4	
32 trans-1,2-Dichloroethene	61	3.297	3.285	0.012	68	26151	1.00	1.06	
33 Methyl tert-butyl ether	73	3.297	3.285	0.012	93	53530	1.00	1.05	
34 Hexane	57	3.522	3.510	0.012	90	25038	1.00	0.9341	
35 1,1-Dichloroethane	63	3.652	3.652	0.000	95	31501	1.00	1.03	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	3.699	3.687	0.012	97	34619	1.00	1.01	
41 2,2-Dichloropropane	77	4.137	4.137	0.000	58	19842	1.00	1.00	
40 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	80	22054	1.00	1.06	
42 2-Butanone (MEK)	72	4.161	4.149	0.012	99	7212	2.00	1.92	
46 Chlorobromomethane	49	4.338	4.338	0.000	92	15161	1.00	1.04	
47 Tetrahydrofuran	42	4.374	4.373	0.001	85	17279	2.00	1.91	
48 Chloroform	83	4.409	4.397	0.012	93	29434	1.00	1.01	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	98	24264	1.00	0.9658	
50 Cyclohexane	84	4.598	4.598	0.000	87	29359	1.00	0.9622	
51 1,1-Dichloropropene	75	4.693	4.693	0.000	96	24613	1.00	0.99	
52 Carbon tetrachloride	117	4.693	4.693	0.000	78	20029	1.00	0.9377	
53 Isobutyl alcohol	41	4.788	4.788	0.000	93	28500	25.0	23.7	
54 Benzene	78	4.871	4.870	0.001	95	72564	1.00	1.02	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	23529	1.00	1.07	
57 n-Heptane	57	5.095	5.071	0.024	87	49490	1.00	0.9500	
59 Trichloroethene	130	5.403	5.403	0.000	94	19135	1.00	1.00	
61 Methylcyclohexane	83	5.569	5.568	0.001	83	31043	1.00	0.9100	
62 1,2-Dichloropropane	63	5.604	5.604	0.000	92	14544	1.00	0.9671	
64 Dibromomethane	174	5.711	5.710	0.001	91	13696	1.00	1.07	
65 1,4-Dioxane	88	5.723	5.722	0.001	27	4063	20.0	16.8	
66 Dichlorobromomethane	83	5.829	5.829	0.000	97	19488	1.00	0.9496	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	91	21468	2.00	1.97	
69 cis-1,3-Dichloropropene	75	6.220	6.219	0.001	95	24819	1.00	0.99	
70 4-Methyl-2-pentanone (MIBK	43	6.350	6.349	0.001	95	46025	2.00	1.99	
71 Toluene	91	6.515	6.515	0.000	99	69512	1.00	1.01	
72 trans-1,3-Dichloropropene	75	6.705	6.704	0.001	91	23230	1.00	1.04	
74 Ethyl methacrylate	69	6.776	6.775	0.001	87	20354	1.00	0.9475	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	91	13079	1.00	0.9554	
76 Tetrachloroethene	166	7.001	7.000	0.000	96	17463	1.00	0.9539	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	90	24096	1.00	0.99	
78 2-Hexanone	43	7.095	7.095	0.000	92	32274	2.00	1.96	
80 Chlorodibromomethane	129	7.225	7.225	0.000	87	13420	1.00	0.9440	
81 Ethylene Dibromide	107	7.332	7.332	0.000	98	15068	1.00	1.02	
83 Chlorobenzene	112	7.781	7.781	0.000	95	44396	1.00	1.00	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	93	14884	1.00	0.9579	
85 Ethylbenzene	106	7.876	7.876	0.000	98	24504	1.00	0.9876	
86 m-Xylene & p-Xylene	106	7.983	7.982	0.001	100	30946	1.00	1.01	
87 o-Xylene	106	8.361	8.361	0.000	96	31499	1.00	1.01	
88 Styrene	104	8.373	8.373	0.000	94	46924	1.00	0.9403	
89 Bromoform	173	8.551	8.550	0.001	99	9669	1.00	0.9402	
90 Isopropylbenzene	105	8.704	8.704	0.000	95	78943	1.00	0.9744	
92 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	83	23506	1.00	1.01	
93 Bromobenzene	156	9.000	9.000	0.000	88	20743	1.00	1.01	
95 1,2,3-Trichloropropane	110	9.036	9.047	-0.011	85	9133	1.00	1.04	
94 trans-1,4-Dichloro-2-buten	53	9.048	9.047	0.001	80	7300	1.00	0.9665	
96 N-Propylbenzene	120	9.107	9.107	0.000	98	21478	1.00	0.9194	
97 2-Chlorotoluene	126	9.190	9.189	0.001	97	18750	1.00	0.9582	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	94	62930	1.00	0.9349	
99 4-Chlorotoluene	126	9.296	9.296	0.000	96	20976	1.00	1.04	
102 tert-Butylbenzene	119	9.592	9.592	0.000	91	55395	1.00	0.9059	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	65676	1.00	0.9421	
105 sec-Butylbenzene	105	9.805	9.805	0.000	93	81663	1.00	0.9278	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	9.911	9.911	0.000	97	41679	1.00	1.03	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	97	72056	1.00	0.9466	
108 1,4-Dichlorobenzene	146	9.994	9.994	0.000	96	43811	1.00	1.05	
111 n-Butylbenzene	91	10.349	10.349	0.000	97	62232	1.00	0.9586	
112 1,2-Dichlorobenzene	146	10.361	10.361	0.000	98	39597	1.00	1.01	
113 1,2-Dibromo-3-Chloropropan	157	11.142	11.142	0.000	85	6783	1.00	0.8913	
115 1,2,4-Trichlorobenzene	180	11.947	11.946	0.001	94	29197	1.00	1.07	
116 Hexachlorobutadiene	225	12.124	12.124	0.000	93	14773	1.00	1.22	
117 Naphthalene	128	12.195	12.195	0.000	96	92597	1.00	1.08	
118 1,2,3-Trichlorobenzene	180	12.444	12.443	0.001	95	27351	1.00	1.08	
S 124 Trihalomethanes, Total	1				0		4.00	3.84	
S 125 Total BTEX	1				0		5.00	5.03	
S 126 1,2-Dichloroethene, Total	96				0			2.12	
S 127 1,3-Dichloropropene, Total	75				0			2.04	
S 128 Xylenes, Total	106				0		2.00	2.02	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

vm50is_stk_A_00003	Amount Added:	2.00	Units: uL
vmrgas_00291	Amount Added:	0.80	Units: uL
vm50ss_00362	Amount Added:	0.80	Units: uL
vmarolistdw_00294	Amount Added:	0.80	Units: uL
vmrprimw_00331	Amount Added:	0.80	Units: uL

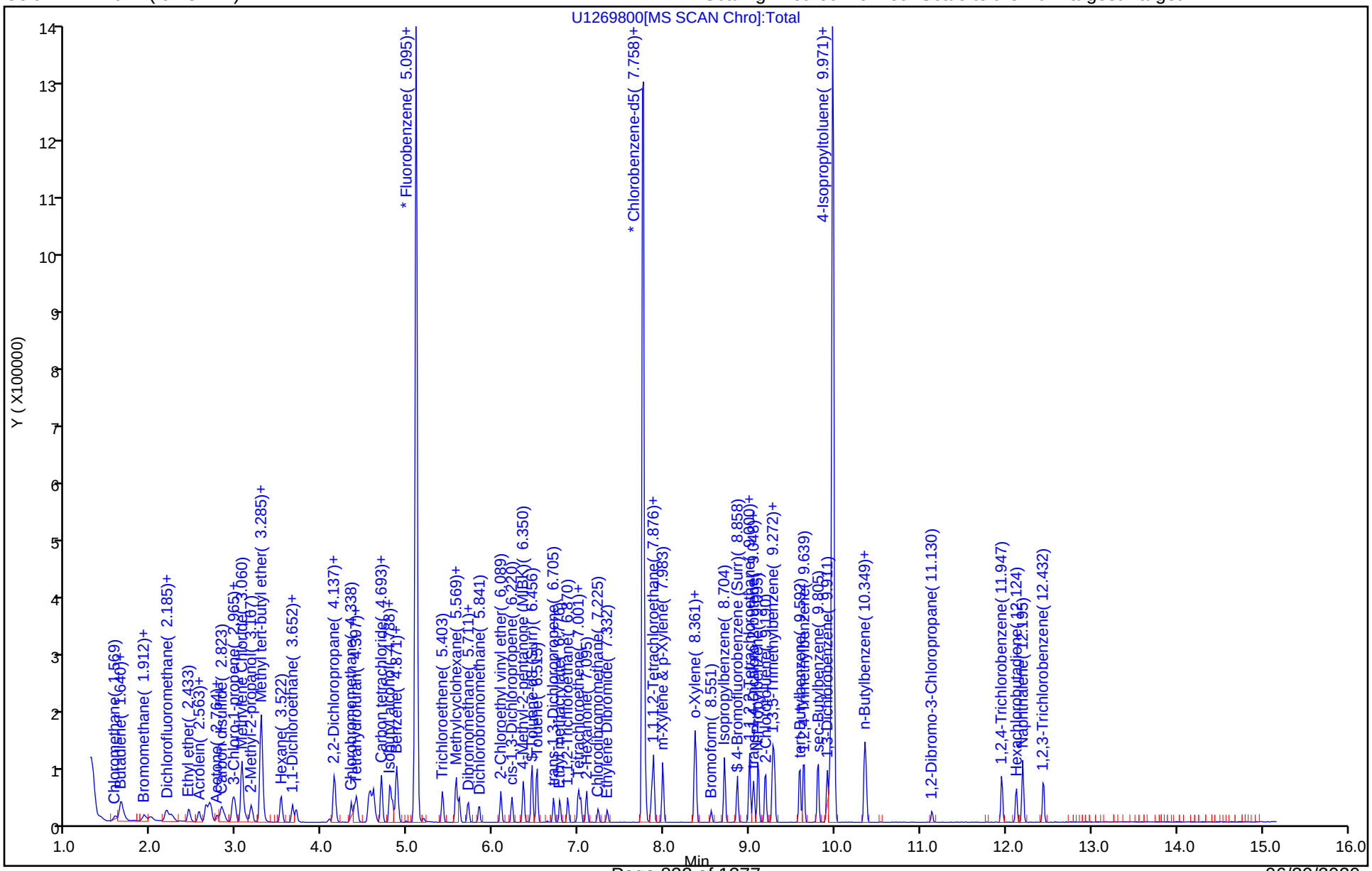
Report Date: 30-Apr-2019 17:23:35 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269800.D

Injection Date:	30-Apr-2019 16:02:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	std8260 L2			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

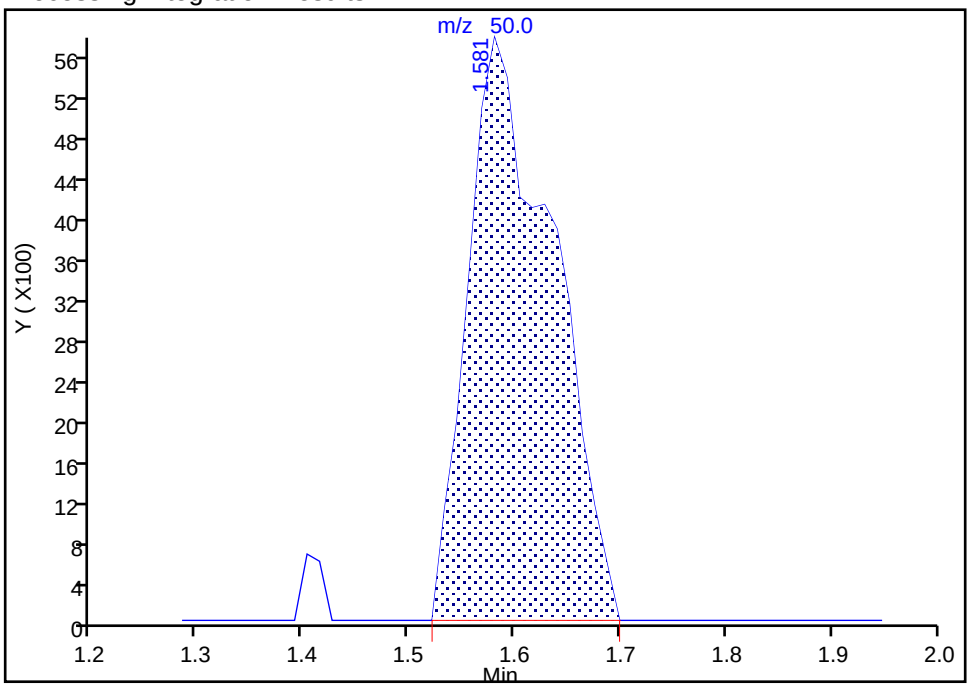
Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269800.D
Injection Date: 30-Apr-2019 16:02:30 Instrument ID: A3UX12
Lims ID: std8260 L2
Client ID:
Operator ID: 001904 ALS Bottle#: 7 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

10 Chloromethane, CAS: 74-87-3

Signal: 1

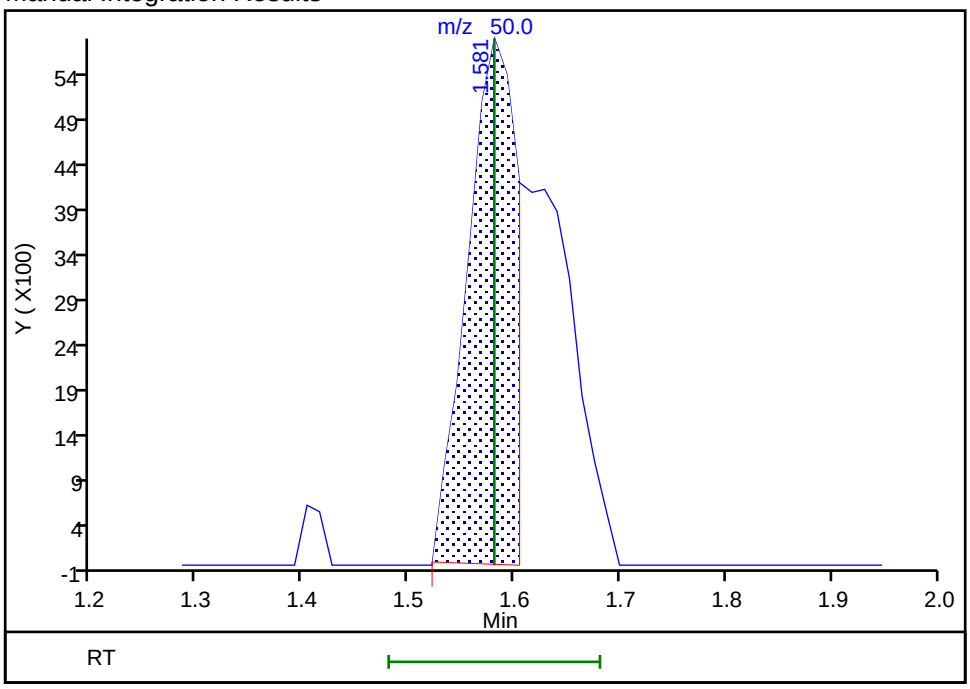
Processing Integration Results

RT: 1.58
Area: 32521
Amount: 1.095929
Amount Units: ug/l



Manual Integration Results

RT: 1.58
Area: 19082
Amount: 0.935716
Amount Units: ug/l



Reviewer: laveyt, 30-Apr-2019 16:22:33
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D
Lims ID: std8260 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 30-Apr-2019 16:24:30 ALS Bottle#: 8 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-014
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Apr-2019 17:23:43 Calib Date: 30-Apr-2019 16:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: laveyt Date: 30-Apr-2019 16:52:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1216002	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.758	0.000	85	815231	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.970	9.970	0.000	95	464788	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111		4.539				ND	ND	U
$ 5 1,2-Dichloroethane-d4 (Sur	65		4.823				ND	ND	U
$ 6 Toluene-d8 (Surr)	98		6.456				ND	ND	U
$ 7 4-Bromofluorobenzene (Surr	95		8.858				ND	ND	U
9 Dichlorodifluoromethane	85	1.403	1.403	0.000	95	11044	0.5000	0.4718	
10 Chloromethane	50		1.581				ND	ND	U
11 Butadiene	54	1.640	1.640	0.000	84	11073	0.5000	0.4911	
12 Vinyl chloride	62	1.676	1.675	0.001	95	10733	0.5000	0.4681	
14 Bromomethane	94	1.924	1.912	0.012	81	7170	0.5000	0.5066	
15 Chloroethane	64	1.983	1.995	-0.012	93	7695	0.5000	0.5344	
16 Dichlorofluoromethane	67	2.173	2.172	0.001	95	14396	0.5000	0.5004	
17 Trichlorofluoromethane	101	2.220	2.220	0.000	94	12502	0.5000	0.4891	
19 Ethyl ether	59	2.433	2.433	0.000	92	8163	0.5000	0.5316	
20 Acrolein	56	2.551	2.551	0.000	96	11833	2.50	2.58	
21 1,1-Dichloroethene	61	2.634	2.634	0.000	94	13081	0.5000	0.5204	
22 1,1,2-Trichloro-1,2,2-trif	101	2.670	2.669	0.001	55	7988	0.5000	0.4801	
23 Acetone	43		2.693				ND	ND	U
24 Iodomethane	142	2.776	2.764	0.012	93	14045	0.5000	0.5256	
25 Carbon disulfide	76	2.835	2.823	0.012	99	35208	0.5000	0.6085	
27 3-Chloro-1-propene	41	2.954	2.953	0.001	92	16129	0.5000	0.5628	
28 Methyl acetate	43	2.977	2.977	0.000	96	22700	1.00	1.07	
29 Methylene Chloride	49		3.060				ND	ND	U
30 2-Methyl-2-propanol	59	3.167	3.166	0.001	99	24459	5.00	5.49	
31 Acrylonitrile	53	3.285	3.273	0.012	99	59579	5.00	5.41	
32 trans-1,2-Dichloroethene	61	3.297	3.285	0.012	73	13341	0.5000	0.5401	
33 Methyl tert-butyl ether	73	3.297	3.285	0.012	93	26396	0.5000	0.5170	
34 Hexane	57	3.522	3.510	0.012	90	13878	0.5000	0.5147	
35 1,1-Dichloroethane	63	3.652	3.652	0.000	95	15738	0.5000	0.5109	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	3.687	3.687	0.000	96	16963	0.5000	0.4899	
41 2,2-Dichloropropane	77	4.137	4.137	0.000	56	10546	0.5000	0.5275	
40 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	79	10822	0.5000	0.5168	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	99	3739	1.00	0.9870	
46 Chlorobromomethane	49	4.338	4.338	0.000	91	8465	0.5000	0.5769	
47 Tetrahydrofuran	42	4.373	4.373	0.000	86	9753	1.00	1.07	
48 Chloroform	83	4.409	4.397	0.012	92	15213	0.5000	0.5165	
49 1,1,1-Trichloroethane	97	4.563	4.551	0.012	95	11924	0.5000	0.4718	
50 Cyclohexane	84	4.598	4.598	0.000	86	15299	0.5000	0.4984	
51 1,1-Dichloropropene	75	4.693	4.693	0.000	94	13318	0.5000	0.5331	
52 Carbon tetrachloride	117	4.693	4.693	0.000	78	10783	0.5000	0.5018	
53 Isobutyl alcohol	41	4.788	4.788	0.000	93	16262	12.5	13.5	
54 Benzene	78	4.870	4.870	0.000	94	37546	0.5000	0.5243	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	96	11902	0.5000	0.5400	
57 n-Heptane	57		5.071				ND	ND	U
59 Trichloroethene	130	5.403	5.403	0.000	90	10516	0.5000	0.5487	
61 Methylcyclohexane	83	5.569	5.568	0.001	82	17502	0.5000	0.5100	
62 1,2-Dichloropropane	63	5.604	5.604	0.000	93	7613	0.5000	0.5032	
64 Dibromomethane	174	5.711	5.710	0.001	87	7633	0.5000	0.5950	
65 1,4-Dioxane	88	5.722	5.722	0.000	27	2151	10.0	8.84	
66 Dichlorobromomethane	83	5.841	5.829	0.012	95	10242	0.5000	0.4961	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	91	11398	1.00	1.04	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	95	13273	0.5000	0.5281	
70 4-Methyl-2-pentanone (MIBK	43	6.350	6.349	0.001	93	23343	1.00	1.00	
71 Toluene	91	6.515	6.515	0.000	98	36733	0.5000	0.5384	
72 trans-1,3-Dichloropropene	75	6.705	6.704	0.001	91	11758	0.5000	0.5324	
74 Ethyl methacrylate	69	6.776	6.775	0.001	85	10652	0.5000	0.5006	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	83	7700	0.5000	0.5679	
76 Tetrachloroethene	166	7.000	7.000	0.000	94	9314	0.5000	0.5137	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	87	13441	0.5000	0.5591	
78 2-Hexanone	43	7.095	7.095	0.000	94	16906	1.00	1.04	
80 Chlorodibromomethane	129	7.225	7.225	0.000	86	7003	0.5000	0.4973	
81 Ethylene Dibromide	107	7.332	7.332	0.000	96	7750	0.5000	0.5314	
83 Chlorobenzene	112	7.781	7.781	0.000	97	24288	0.5000	0.5516	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	93	7683	0.5000	0.4992	
85 Ethylbenzene	106	7.876	7.876	0.000	98	12234	0.5000	0.4978	
86 m-Xylene & p-Xylene	106	7.983	7.982	0.001	98	14577	0.5000	0.4781	
87 o-Xylene	106	8.361	8.361	0.000	95	15474	0.5000	0.5021	
88 Styrene	104	8.373	8.373	0.000	94	25585	0.5000	0.5176	
89 Bromoform	173	8.551	8.550	0.000	92	4510	0.5000	0.4427	
90 Isopropylbenzene	105	8.704	8.704	0.000	95	39682	0.5000	0.4945	
92 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	84	10861	0.5000	0.4748	
93 Bromobenzene	156	9.000	9.000	0.000	88	10562	0.5000	0.5244	
95 1,2,3-Trichloropropane	110	9.047	9.047	0.000	84	4202	0.5000	0.4853	
94 trans-1,4-Dichloro-2-buten	53	9.059	9.047	0.012	70	3843	0.5000	0.5185	
96 N-Propylbenzene	120	9.107	9.107	0.000	98	11209	0.5000	0.4890	
97 2-Chlorotoluene	126	9.189	9.189	0.000	96	9330	0.5000	0.4859	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	95	31487	0.5000	0.4767	
99 4-Chlorotoluene	126	9.296	9.296	0.000	97	10044	0.5000	0.5068	
102 tert-Butylbenzene	119	9.592	9.592	0.000	90	28862	0.5000	0.4810	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	95	33748	0.5000	0.4934	
105 sec-Butylbenzene	105	9.805	9.805	0.000	93	40589	0.5000	0.4699	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	9.911	9.911	0.000	96	21531	0.5000	0.5427	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	96	34741	0.5000	0.4651	
108 1,4-Dichlorobenzene	146	9.994	9.994	0.000	95	23084	0.5000	0.5657	
111 n-Butylbenzene	91	10.349	10.349	0.000	95	29814	0.5000	0.4680	
112 1,2-Dichlorobenzene	146	10.361	10.361	0.000	97	21676	0.5000	0.5636	
113 1,2-Dibromo-3-Chloropropan	157	11.142	11.142	0.000	84	3806	0.5000	0.5097	
115 1,2,4-Trichlorobenzene	180	11.958	11.946	0.012	91	15055	0.5000	0.5604	
116 Hexachlorobutadiene	225	12.124	12.124	0.000	92	6234	0.5000	0.5255	
117 Naphthalene	128	12.195	12.195	0.000	96	45140	0.5000	0.5362	
118 1,2,3-Trichlorobenzene	180	12.444	12.443	0.001	94	14329	0.5000	0.5762	
S 124 Trihalomethanes, Total	1				0		2.00	1.95	
S 125 Total BTEX	1				0		2.50	2.54	
S 126 1,2-Dichloroethene, Total	96				0			1.06	
S 127 1,3-Dichloropropene, Total	75				0			1.06	
S 128 Xylenes, Total	106				0		1.00	0.9802	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

vm50is_stk_A_00003	Amount Added:	2.00	Units: uL
vmrgas_00291	Amount Added:	0.40	Units: uL
vm50ss_00362	Amount Added:	0.40	Units: uL
vmarolistdw_00294	Amount Added:	0.40	Units: uL
vmrprimw_00331	Amount Added:	0.40	Units: uL

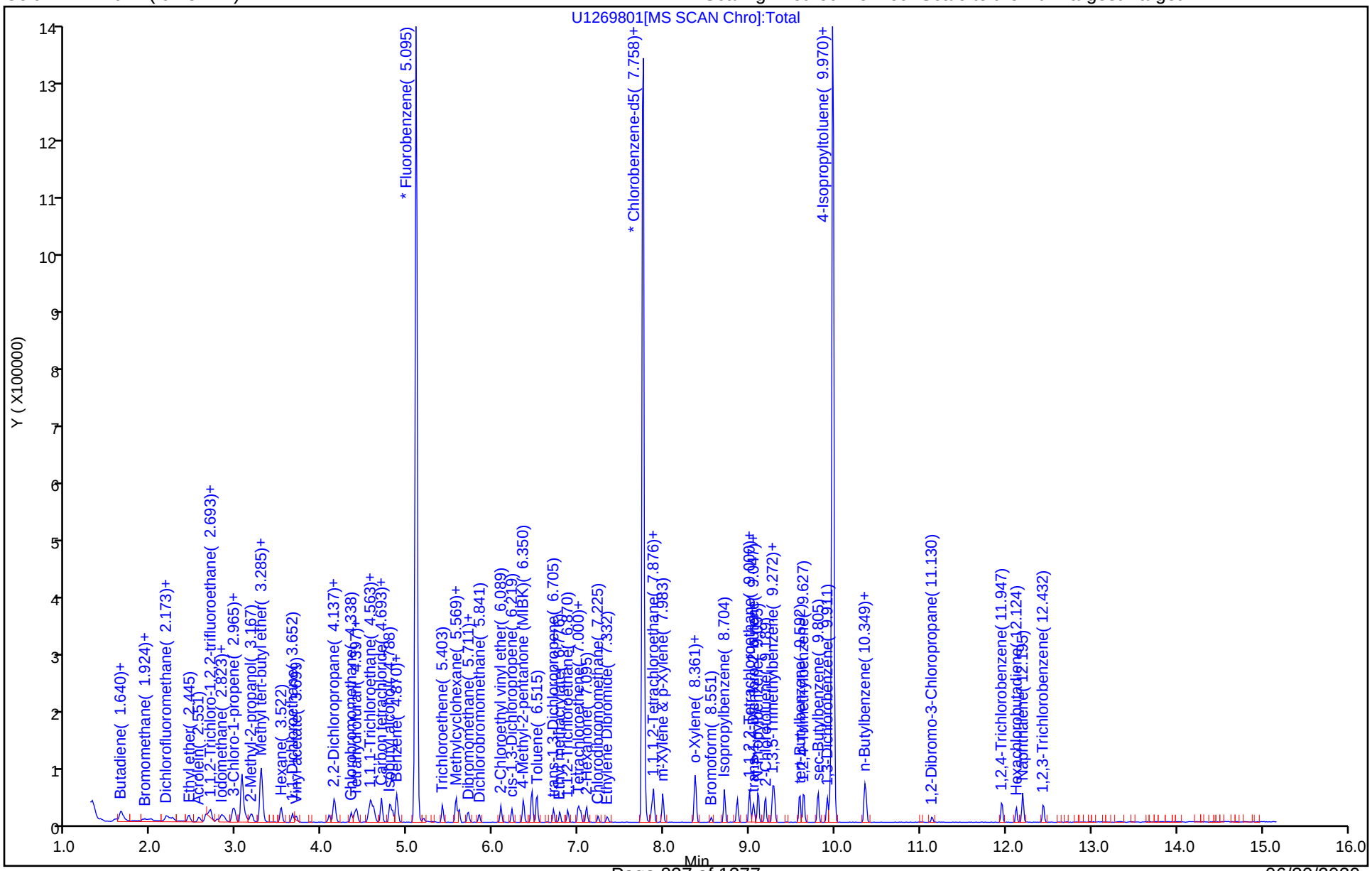
Report Date: 30-Apr-2019 17:23:46 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D

Injection Date:	30-Apr-2019 16:24:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	std8260 L1			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



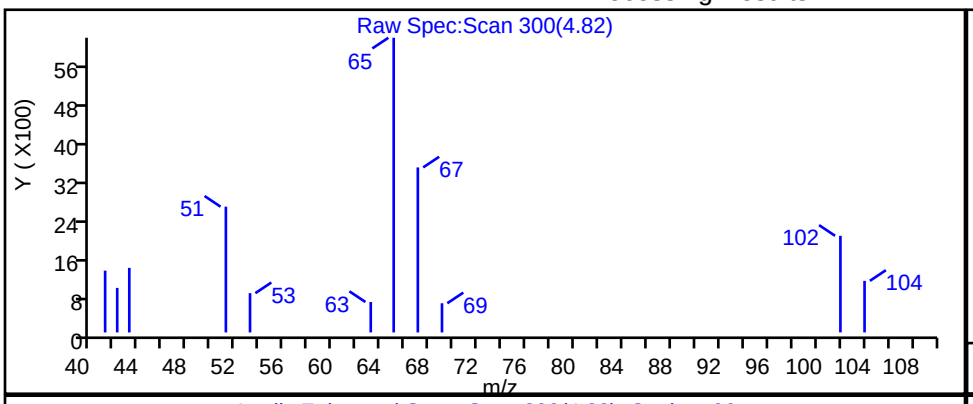
User Disabled Compound Report

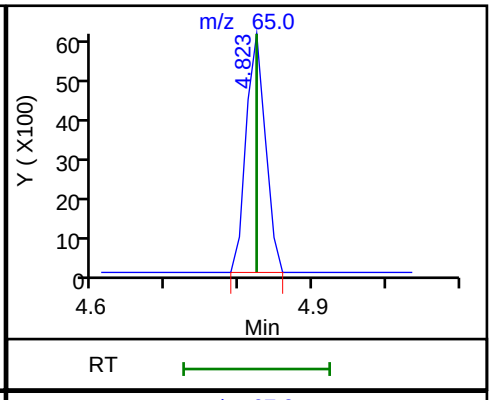
Eurofins TestAmerica, Canton

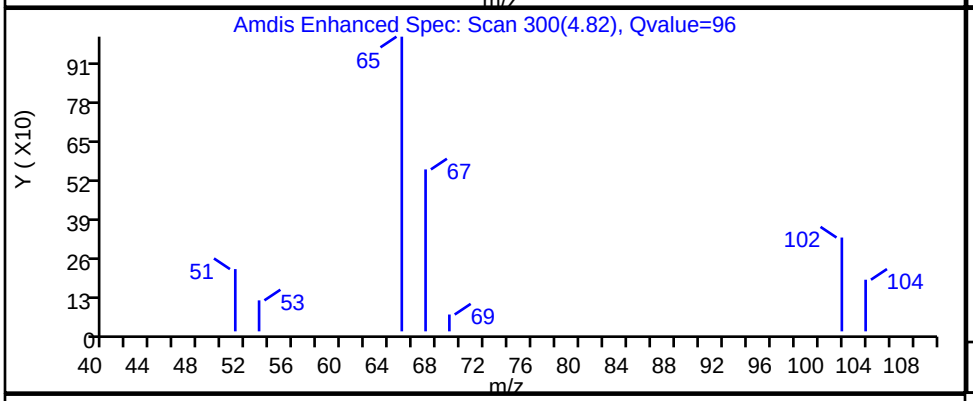
Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D
Injection Date: 30-Apr-2019 16:24:30 Instrument ID: A3UX12
Lims ID: std8260 L1
Client ID:
Operator ID: 001904 ALS Bottle#: 8 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

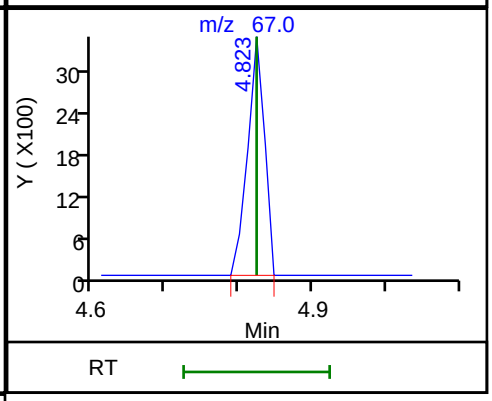
$ 5 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

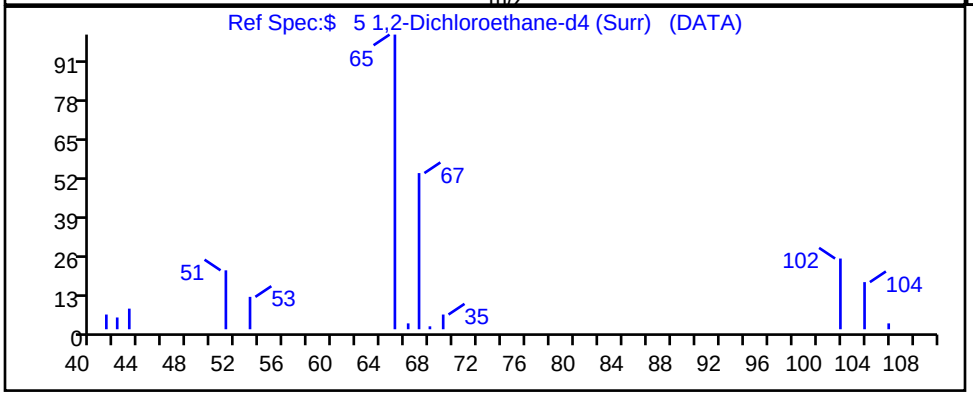
Processing Results











RT	Mass	Response	Amount
4.82	65.00	11177	0.595662
4.82	67.00	5473	

Reviewer: laveyt, 30-Apr-2019 16:51:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

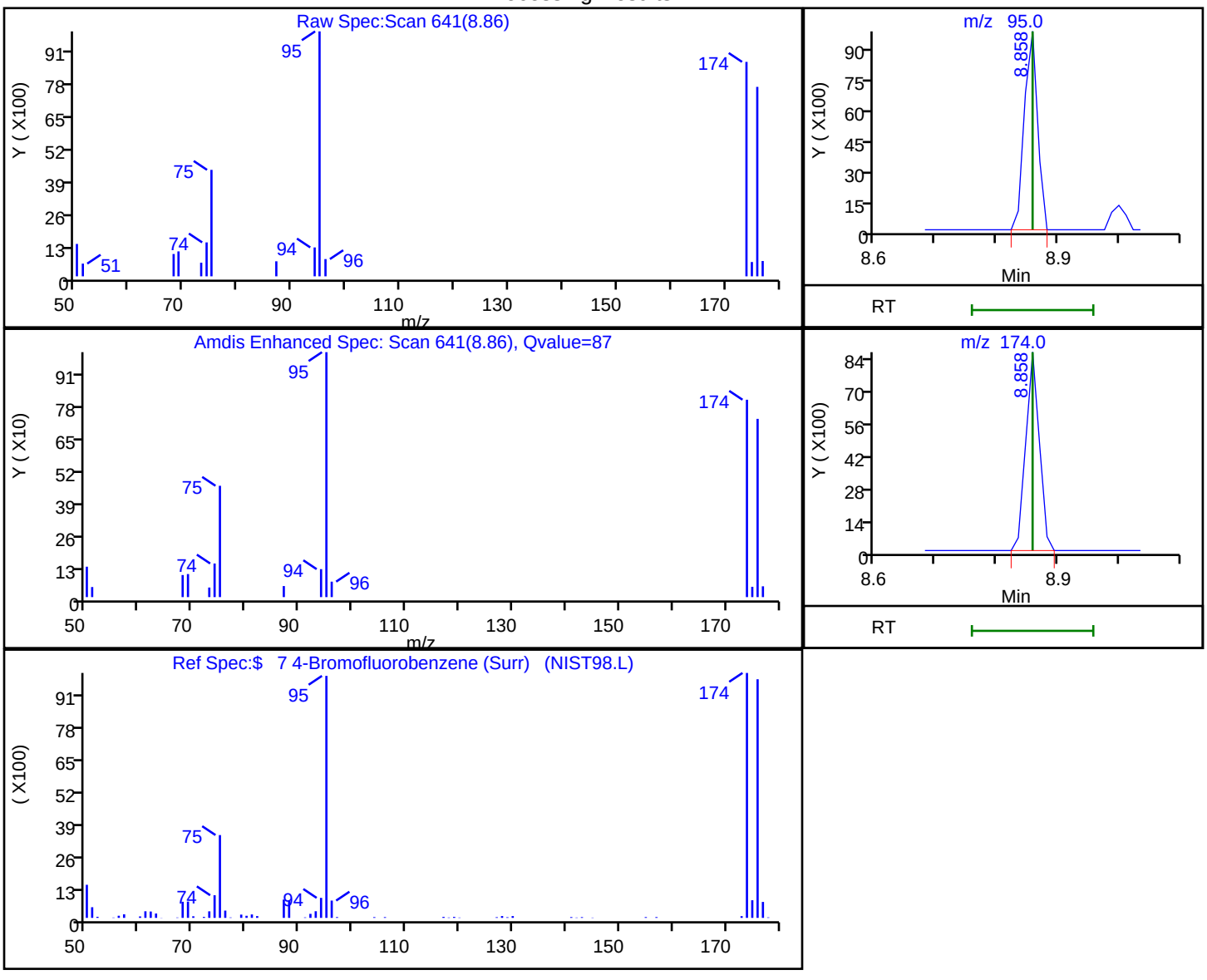
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D
Injection Date: 30-Apr-2019 16:24:30 Instrument ID: A3UX12
Lims ID: std8260 L1
Client ID:
Operator ID: 001904 ALS Bottle#: 8 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

$ 7 4-Bromofluorobenzene (Surr), CAS: 460-00-4

Processing Results



RT	Mass	Response	Amount
8.86	95.00	14951	0.492470
8.86	174.00	13421	

Reviewer: laveyt, 30-Apr-2019 16:52:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

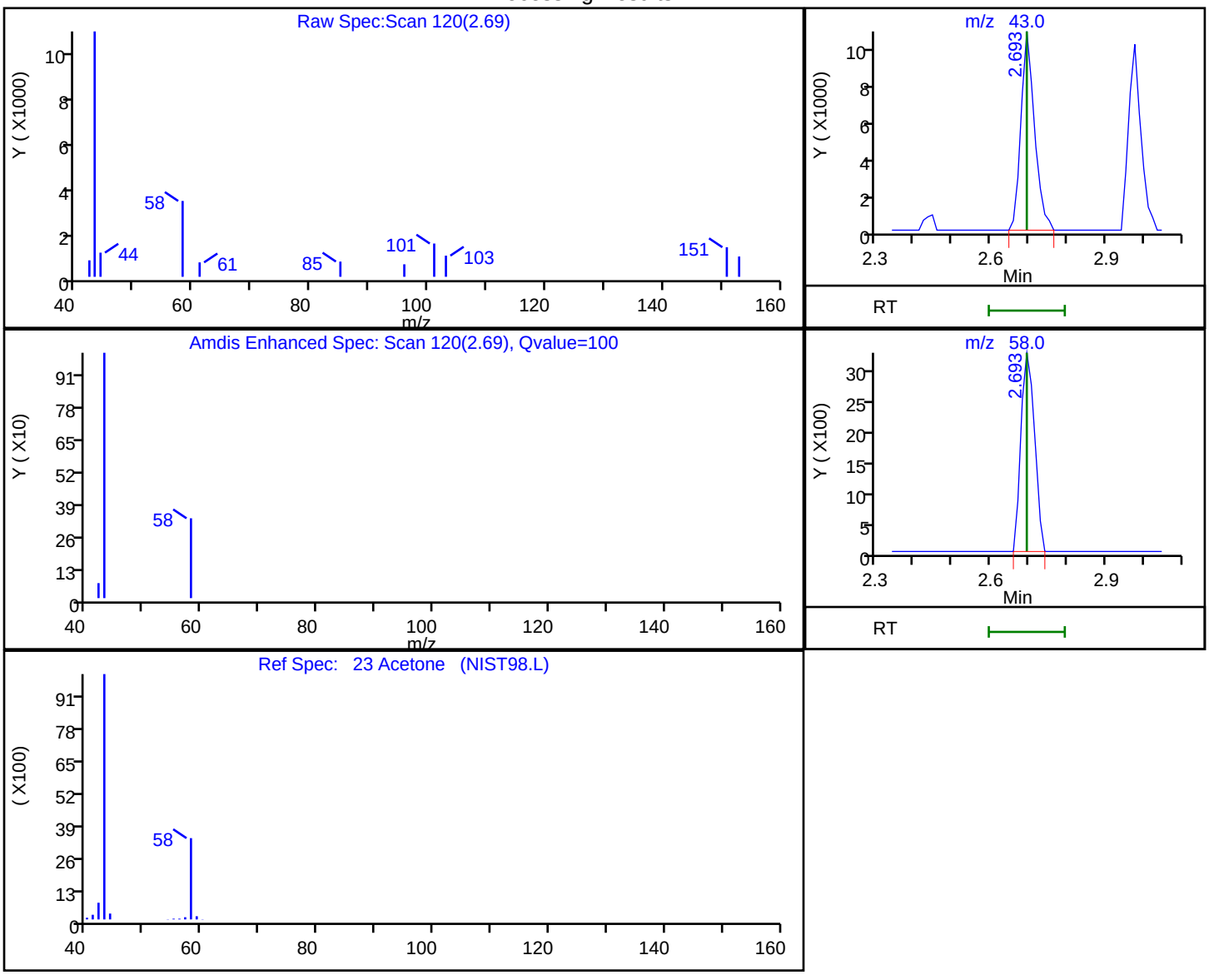
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D
Injection Date: 30-Apr-2019 16:24:30 Instrument ID: A3UX12
Lims ID: std8260 L1
Client ID:
Operator ID: 001904 ALS Bottle#: 8 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.69	43.00	26506	0.965095
2.69	58.00	8203	

Reviewer: laveyt, 30-Apr-2019 16:45:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

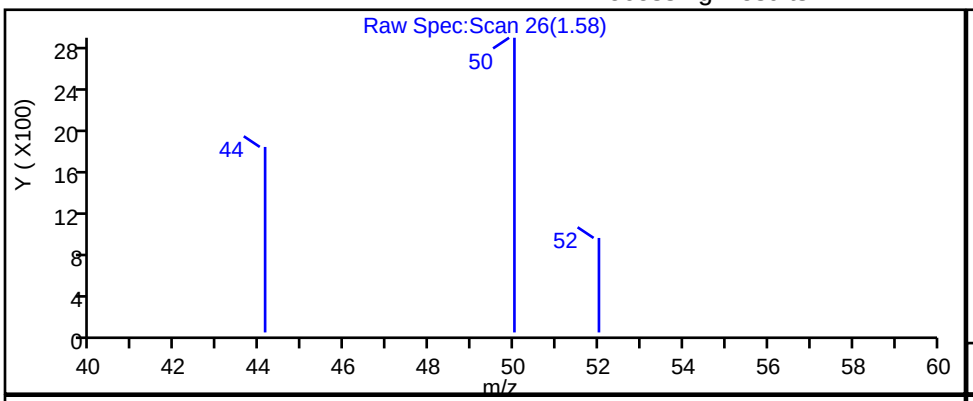
User Disabled Compound Report

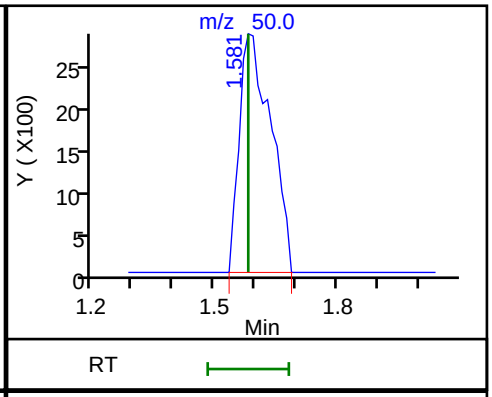
Eurofins TestAmerica, Canton

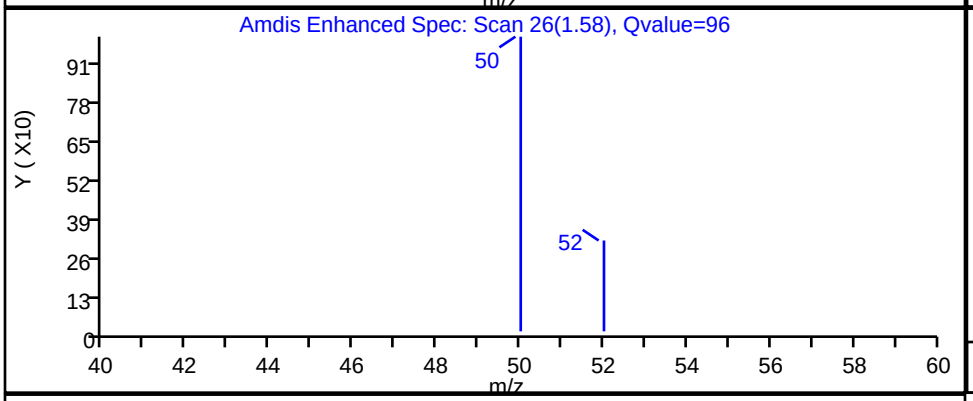
Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D
Injection Date: 30-Apr-2019 16:24:30 Instrument ID: A3UX12
Lims ID: std8260 L1
Client ID:
Operator ID: 001904 ALS Bottle#: 8 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

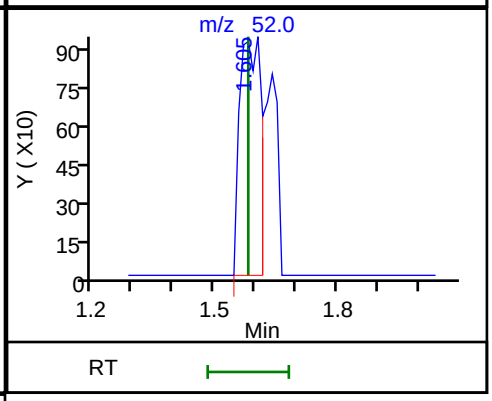
10 Chloromethane, CAS: 74-87-3

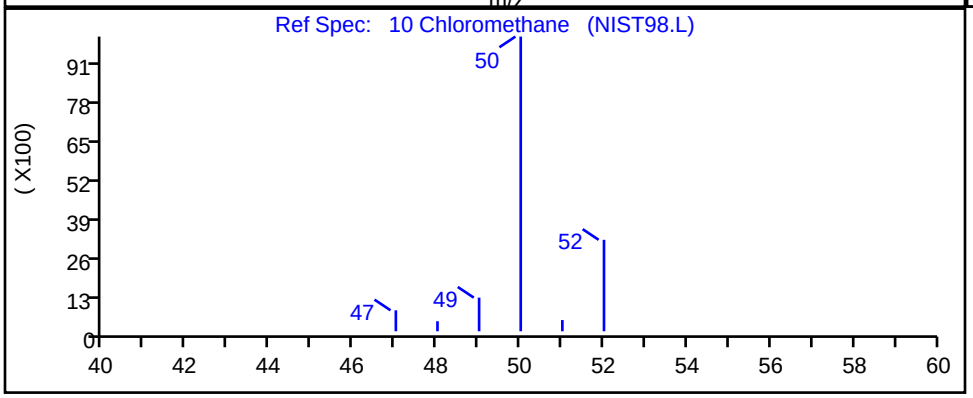
Processing Results











RT	Mass	Response	Amount
1.58	50.00	15543	0.628668
1.60	52.00	3453	

Reviewer: laveyt, 30-Apr-2019 16:44:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

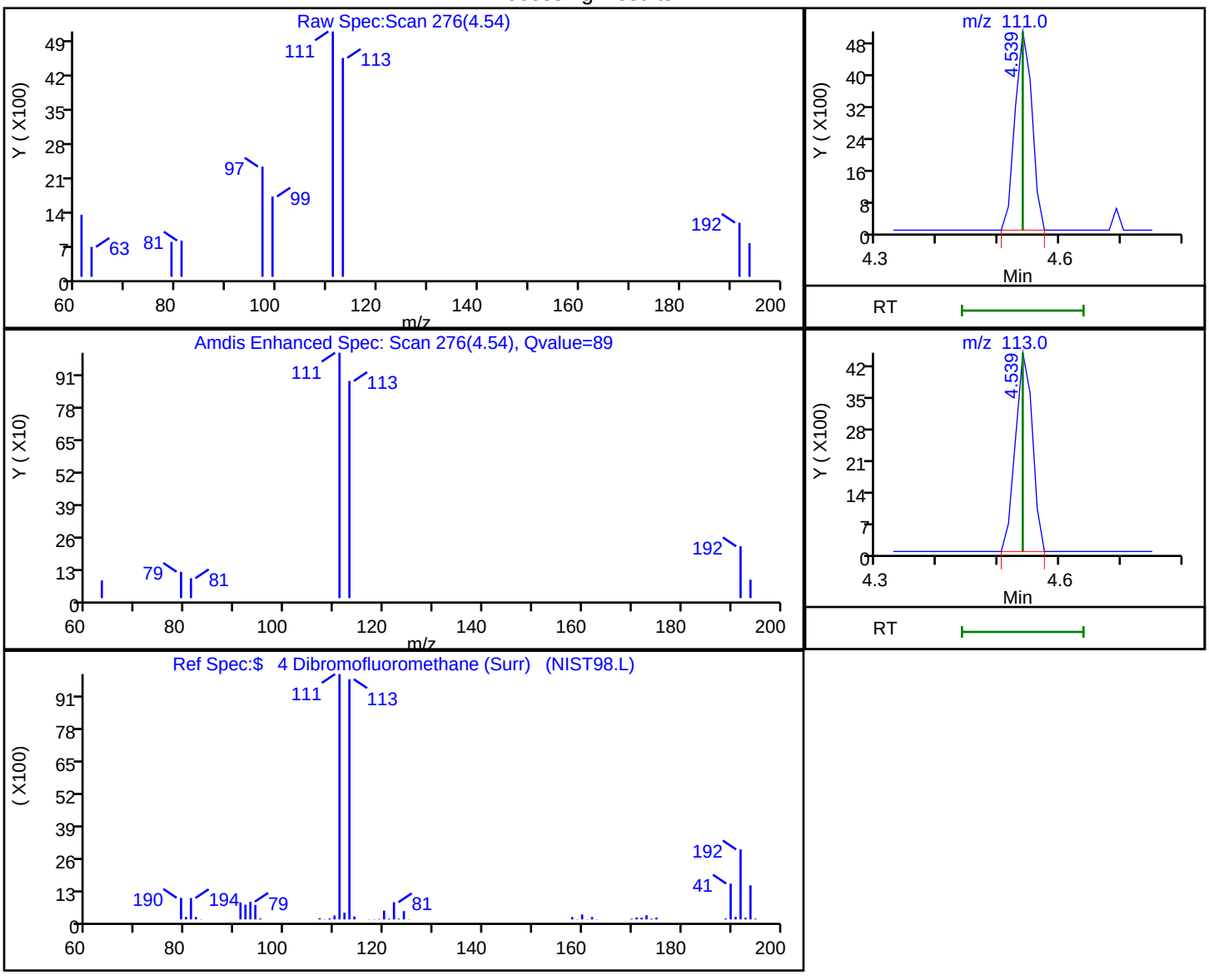
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D				
Injection Date:	30-Apr-2019 16:24:30	Instrument ID:	A3UX12		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	8	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

$ 4 Dibromofluoromethane (Surr), CAS: 1868-53-7

Processing Results



RT	Mass	Response	Amount
4.54	111.00	9661	0.581209
4.54	113.00	8696	

Reviewer: laveyt, 30-Apr-2019 16:51:28

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

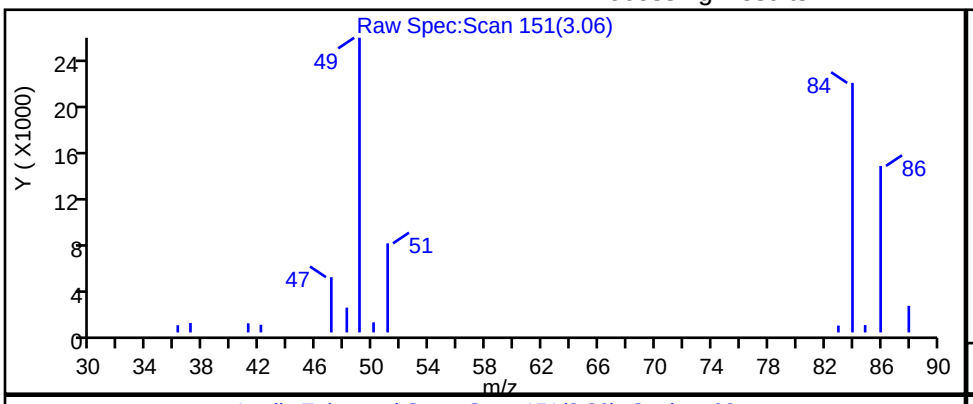
User Disabled Compound Report

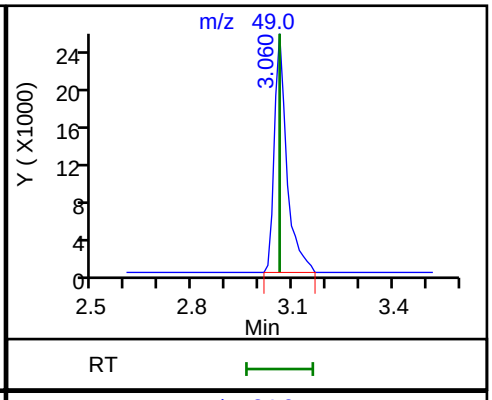
Eurofins TestAmerica, Canton

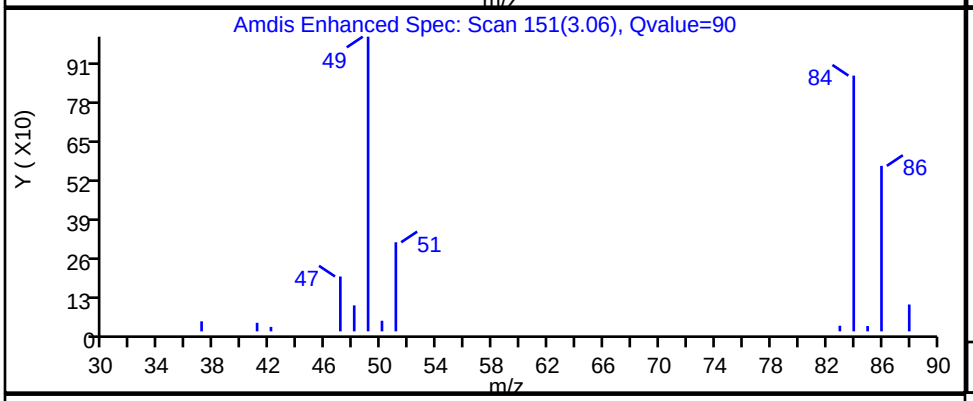
Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D
Injection Date: 30-Apr-2019 16:24:30 Instrument ID: A3UX12
Lims ID: std8260 L1
Client ID:
Operator ID: 001904 ALS Bottle#: 8 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

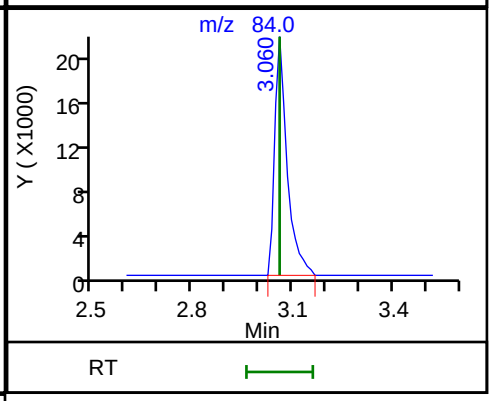
29 Methylene Chloride, CAS: 75-09-2

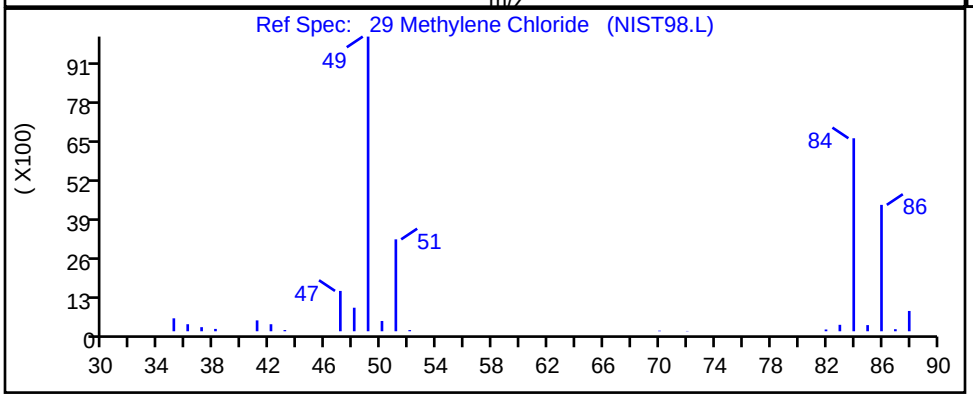
Processing Results











RT	Mass	Response	Amount
3.06	49.00	66051	0.488334
3.06	84.00	55788	

Reviewer: laveyt, 30-Apr-2019 16:46:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

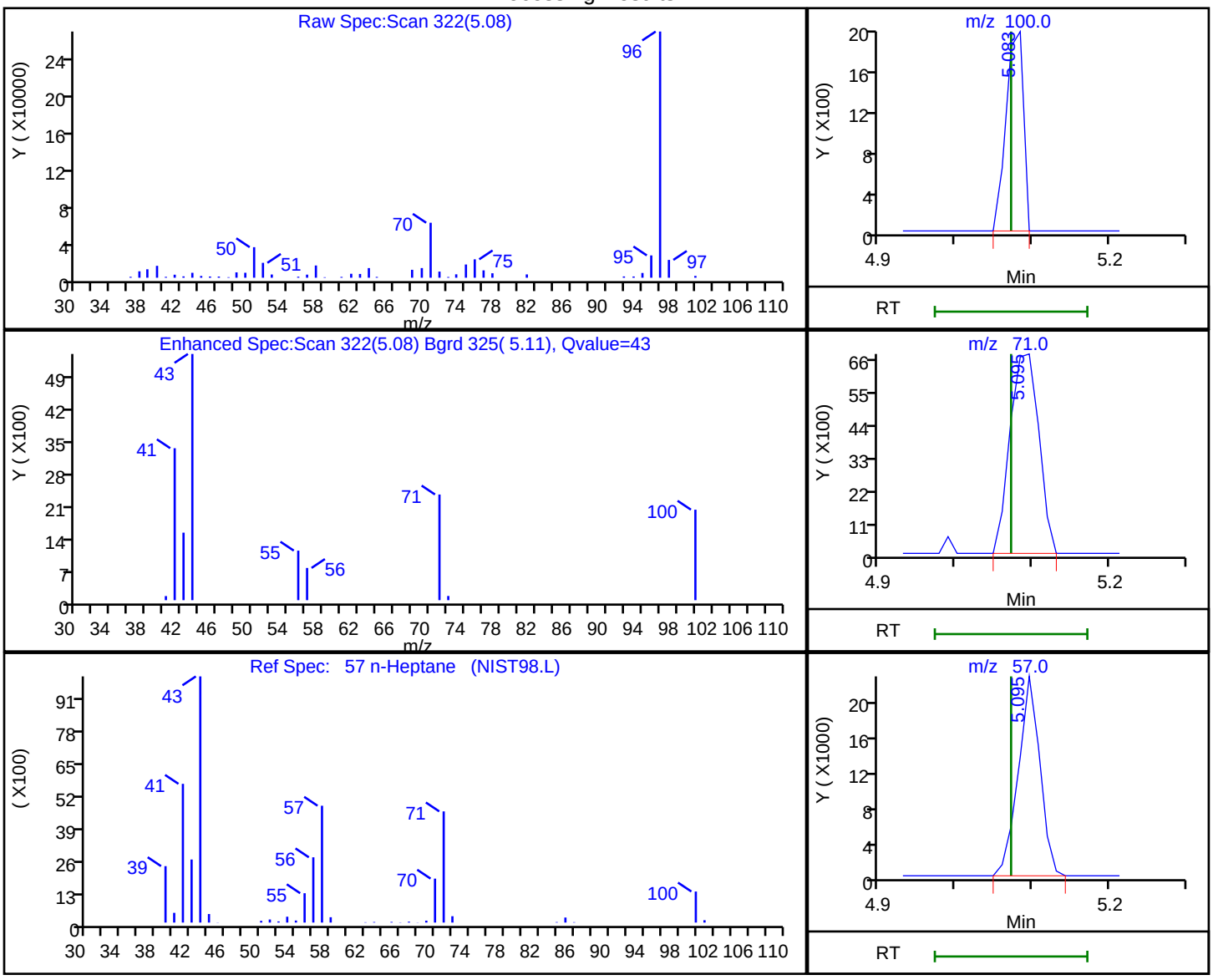
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D				
Injection Date:	30-Apr-2019 16:24:30	Instrument ID:	A3UX12		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	8	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

57 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
5.08	100.00	3106	
5.10	71.00	17689	
5.10	57.00	43825	0.492830

Reviewer: laveyt, 30-Apr-2019 16:54:09

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

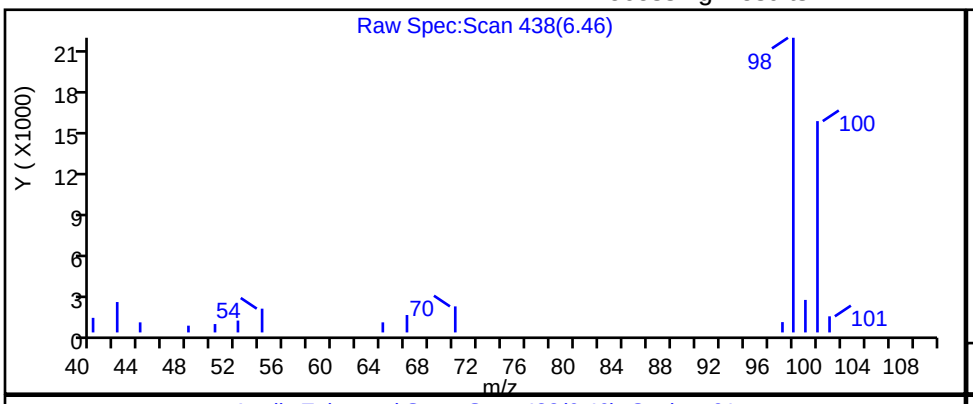
User Disabled Compound Report

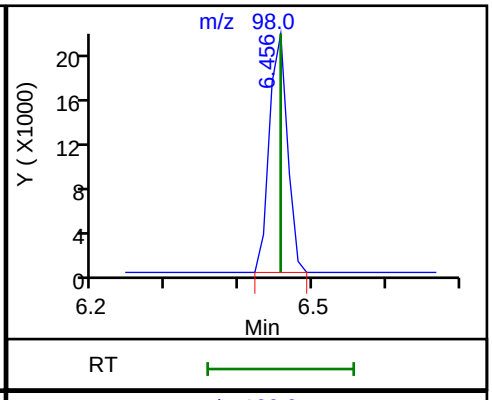
Eurofins TestAmerica, Canton

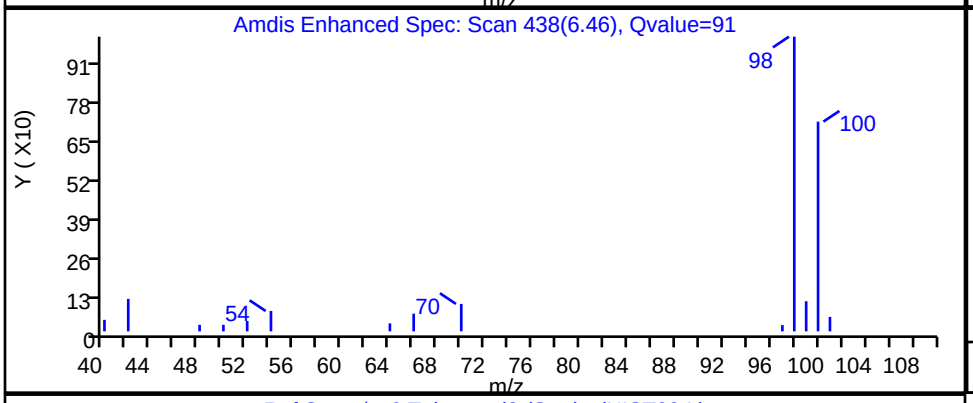
Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D
Injection Date: 30-Apr-2019 16:24:30 Instrument ID: A3UX12
Lims ID: std8260 L1
Client ID:
Operator ID: 001904 ALS Bottle#: 8 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

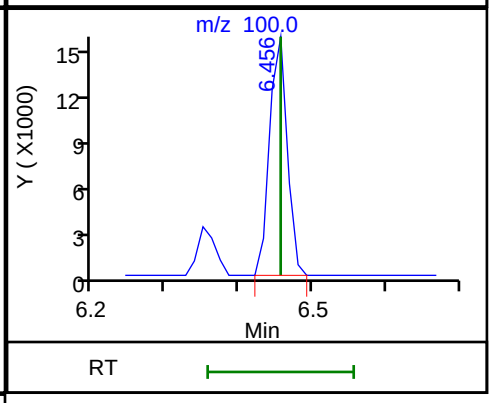
$ 6 Toluene-d8 (Surr), CAS: 2037-26-5

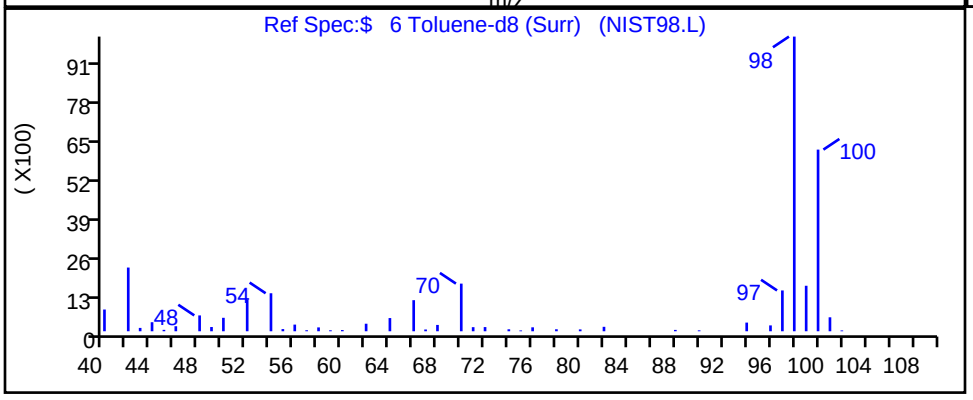
Processing Results











RT	Mass	Response	Amount
6.46	98.00	37355	0.620788
6.46	100.00	26225	

Reviewer: laveyt, 30-Apr-2019 16:52:04
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, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 17:52 Calibration End Date: 04/30/2019 20:05 Calibration ID: 50829

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-378870/24	U1269811.D
Level 2	STDA9 240-378870/23	U1269810.D
Level 3	STDA9 240-378870/22	U1269809.D
Level 4	STDA9 240-378870/21	U1269808.D
Level 5	STDA9 240-378870/20	U1269807.D
Level 6	STDA9 240-378870/19	U1269806a.D
Level 7	STDA9 240-378870/18	U1269805.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								
Acetonitrile	+++++ 0.0577	0.1078 0.0596	0.0682	0.0691	0.0636	Lin1	0.5602	0.0598				9.5			0.9970		0.9900
Diisopropyl ether	0.2929 0.2738	0.2765 0.2696	0.2366	0.2613	0.2780	Ave		0.2698				6.5		20.0			
2-Chloro-1,3-butadiene	0.4786 0.4680	0.4584 0.4733	0.3826	0.4441	0.4787	Ave		0.4548				7.5		20.0			
Ethyl-t-butyl ether (ETBE)	0.9231 0.8774	0.9560 0.8757	0.7996	0.8502	0.8967	Ave		0.8827				5.7		20.0			
Ethyl acetate	0.3760 0.3469	0.3982 0.3449	0.3438	0.3893	0.3652	Ave		0.3663				6.1		20.0			
Propionitrile	+++++ 0.0732	0.1272 0.0718	0.0809	0.0836	0.0763	Lin1	0.6174	0.0731				7.6			0.9980		0.9900
Methacrylonitrile	0.2701 0.2172	0.3179 0.2133	0.2341	0.2476	0.2295	Ave		0.2471				14.8		20.0			
Tert-amyl-methyl ether (TAME)	0.9292 0.8961	1.0049 0.8887	0.8413	0.8660	0.9194	Ave		0.9065				5.8		20.0			
n-Butanol	+++++ 0.0209	0.0329 0.0206	0.0222	0.0238	0.0217	Ave		0.0237				19.8		20.0			
Ethyl acrylate	0.3529 0.3862	0.3726 0.3785	0.3551	0.4376	0.4033	Ave		0.3838				7.7		20.0			
Methyl methacrylate	0.2476 0.2428	0.2675 0.2448	0.2382	0.2817	0.2626	Ave		0.2550				6.2		20.0			
2-Nitropropane	0.0709 0.0758	0.0875 0.0776	0.0674	0.0807	0.0782	Ave		0.0769				8.5		20.0			
n-Butyl acetate	0.6652 0.7069	0.7222 0.6984	0.6558	0.7261	0.7418	Ave		0.7023				4.5		20.0			
1-Chlorohexane	0.6537 0.5756	0.5752 0.5744	0.4577	0.5686	0.5992	Ave		0.5721				10.2		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, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 17:52 Calibration End Date: 04/30/2019 20:05 Calibration ID: 50829

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								
Cyclohexanone	+++++ 0.0254	0.0488 0.0260	0.0323	0.0327	0.0271	Lin1	0.2887	0.0263				16.6			0.9940		0.9900
Pentachloroethane	0.4041 0.4805	0.3994 0.4895	0.3847	0.4448	0.5013	Ave		0.4435				10.8		20.0			
1,2,3-Trimethylbenzene	3.0615 3.0093	2.9218 3.0278	2.5419	2.9248	3.1903	Ave		2.9539				6.9		20.0			
Benzyl chloride	2.0905 2.1764	2.1592 2.2087	1.9104	2.1155	2.2664	Ave		2.1325				5.3		20.0			
1,3,5-Trichlorobenzene	1.4854 1.1716	1.4735 1.1754	1.0388	1.2095	1.2541	Ave		1.2583				13.1		20.0			
2-Methylnaphthalene	+++++ 1.7667	4.7158 1.7419	2.2446	2.4328	1.9992	Ave		2.4835				45.3	*	20.0			
1-Chloro-1-fluoroethane TIC	0.2127 0.2309	0.2361 0.2314	0.1893	0.2219	0.2344	Ave		0.2224				7.5		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, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 17:52 Calibration End Date: 04/30/2019 20:05 Calibration ID: 50829

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-378870/24	U1269811.D
Level 2	STDA9 240-378870/23	U1269810.D
Level 3	STDA9 240-378870/22	U1269809.D
Level 4	STDA9 240-378870/21	U1269808.D
Level 5	STDA9 240-378870/20	U1269807.D
Level 6	STDA9 240-378870/19	U1269806a.D
Level 7	STDA9 240-378870/18	U1269805.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
Acetonitrile	FB	Lin1	+++++ 2101087	63285 2937339	409382	871009	1532543	+++++ 600	10.0 800	100	200	400
Diisopropyl ether	FB	Ave	8647 996957	16227 1328252	141946	329172	669786	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	14129 1704173	26905 2331461	229589	559516	1153399	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl-t-butyl ether (ETBE)	FB	Ave	27251 3195035	56113 4314222	479805	1071213	2160558	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl acetate	FB	Ave	22198 2526193	46743 3398125	412608	980925	1760036	1.00 120	2.00 160	20.0	40.0	80.0
Propionitrile	FB	Lin1	+++++ 2665338	74659 3538021	485430	1053523	1837399	+++++ 600	10.0 800	100	200	400
Methacrylonitrile	FB	Ave	79733 7907632	186608 10507625	1404926	3119038	5530137	5.00 600	10.0 800	100	200	400
Tert-amyl-methyl ether (TAME)	FB	Ave	27432 3262969	58983 4378322	504826	1091058	2215191	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Butanol	FB	Ave	+++++ 1898282	48347 2536242	333535	748361	1305583	+++++ 1500	25.0 2000	250	500	1000
Ethyl acrylate	FB	Ave	10419 1406385	21871 1864766	213092	551287	971753	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methyl methacrylate	FB	Ave	14620 1767987	31407 2411882	285867	709925	1265557	1.00 120	2.00 160	20.0	40.0	80.0
2-Nitropropane	FB	Ave	4184 551865	10267 764598	80875	203229	377049	1.00 120	2.00 160	20.0	40.0	80.0
n-Butyl acetate	CBNZ d5	Ave	12754 1668759	27432 2199815	254037	629474	1173240	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1-Chlorohexane	CBNZ d5	Ave	12533 1358865	21851 1809238	177328	492974	947724	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Cyclohexanone	CBNZ d5	Lin1	+++++ 599459	18555 818532	124978	283168	429161	+++++ 600	10.0 800	100	200	400

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 17:52 Calibration End Date: 04/30/2019 20:05 Calibration ID: 50829

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
Pentachloroethane	DCBd 4	Ave	8865 1304124	17876 1762320	166979	425029	878170	1.00 120	2.00 160	20.0	40.0	80.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	33584 4083704	65393 5450282	551639	1397402	2794328	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Benzyl chloride	DCBd 4	Ave	22933 2953444	48324 3975844	414592	1010740	1985115	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	16295 1589890	32979 2115775	225441	577890	1098427	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Methylnaphthalene	DCBd 4	Ave	+++++ 4794940	211087 6271239	974233	2324694	3502147	+++++ 120	2.00 160	20.0	40.0	80.0
1-Chloro-1-fluoroethane TIC	FB	Ave	6280 840871	13857 1139881	113596	279594	564873	0.500 60.0	1.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 378870

SDG No.:

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/30/2019 17:52 Calibration End Date: 04/30/2019 20:05 Calibration ID: 50829

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-378870/24	U1269811.D
Level 2	STDA9 240-378870/23	U1269810.D
Level 3	STDA9 240-378870/22	U1269809.D
Level 4	STDA9 240-378870/21	U1269808.D
Level 5	STDA9 240-378870/20	U1269807.D
Level 6	STDA9 240-378870/19	U1269806a.D
Level 7	STDA9 240-378870/18	U1269805.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Acetonitrile	+++++	-13.3						50				
Propionitrile	+++++	-10.5						50				
Cyclohexanone	+++++	-23.9						50				

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269805.D
Lims ID: stdA9 L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 30-Apr-2019 17:52:30 ALS Bottle#: 12 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-018
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub1

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 01-May-2019 13:34:26 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: laveyt Date: 01-May-2019 13:23:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1231609	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.758	0.000	59	787472	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.970	9.971	-0.001	94	450019	20.0	20.0	
13 1-Chloro-1-fluoroethane TI	47	1.912	1.912	0.000	100	1139881	80.0	83.2	
26 Acetonitrile	41	2.930	2.942	-0.012	99	2937339	800.0	788.6	
37 Isopropyl ether	87	3.699	3.699	0.000	94	1328252	80.0	79.9	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	90	2331461	80.0	83.2	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	96	4314222	80.0	79.4	
43 Ethyl acetate	43	4.196	4.196	0.000	99	3398125	160.0	150.6	
44 Propionitrile	54	4.208	4.208	0.000	99	3538021	800.0	777.4	
45 Methacrylonitrile	41	4.338	4.326	0.012	90	10507625	800.0	690.5	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	98	4378322	80.0	78.4	
58 n-Butanol	56	5.344	5.344	0.000	84	2536242	2000.0	1739.5	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	1864766	80.0	78.9	
63 Methyl methacrylate	41	5.687	5.687	0.000	89	2411882	160.0	153.6	
67 2-Nitropropane	41	6.030	6.030	0.000	99	764598	160.0	161.6	
79 n-Butyl acetate	43	7.202	7.202	0.000	97	2199815	80.0	79.5	
82 1-Chlorohexane	91	7.746	7.746	0.000	96	1809238	80.0	80.3	
91 Cyclohexanone	55	8.799	8.799	0.000	92	818532	800.0	780.9	
103 Pentachloroethane	167	9.615	9.604	0.011	92	1762320	160.0	176.6	
109 1,2,3-Trimethylbenzene	105	10.041	10.042	-0.001	98	5450282	80.0	82.0	
110 Benzyl chloride	91	10.136	10.136	0.000	98	3975844	80.0	82.9	
114 1,3,5-Trichlorobenzene	180	11.343	11.343	0.000	98	2115775	80.0	74.7	
119 2-Methylnaphthalene	142	13.378	13.378	0.000	93	6271239	160.0	112.2	

Reagents:

vm50is_stk_A_00003 Amount Added: 2.00 Units: uL
vmra9w_00295 Amount Added: 64.00 Units: uL

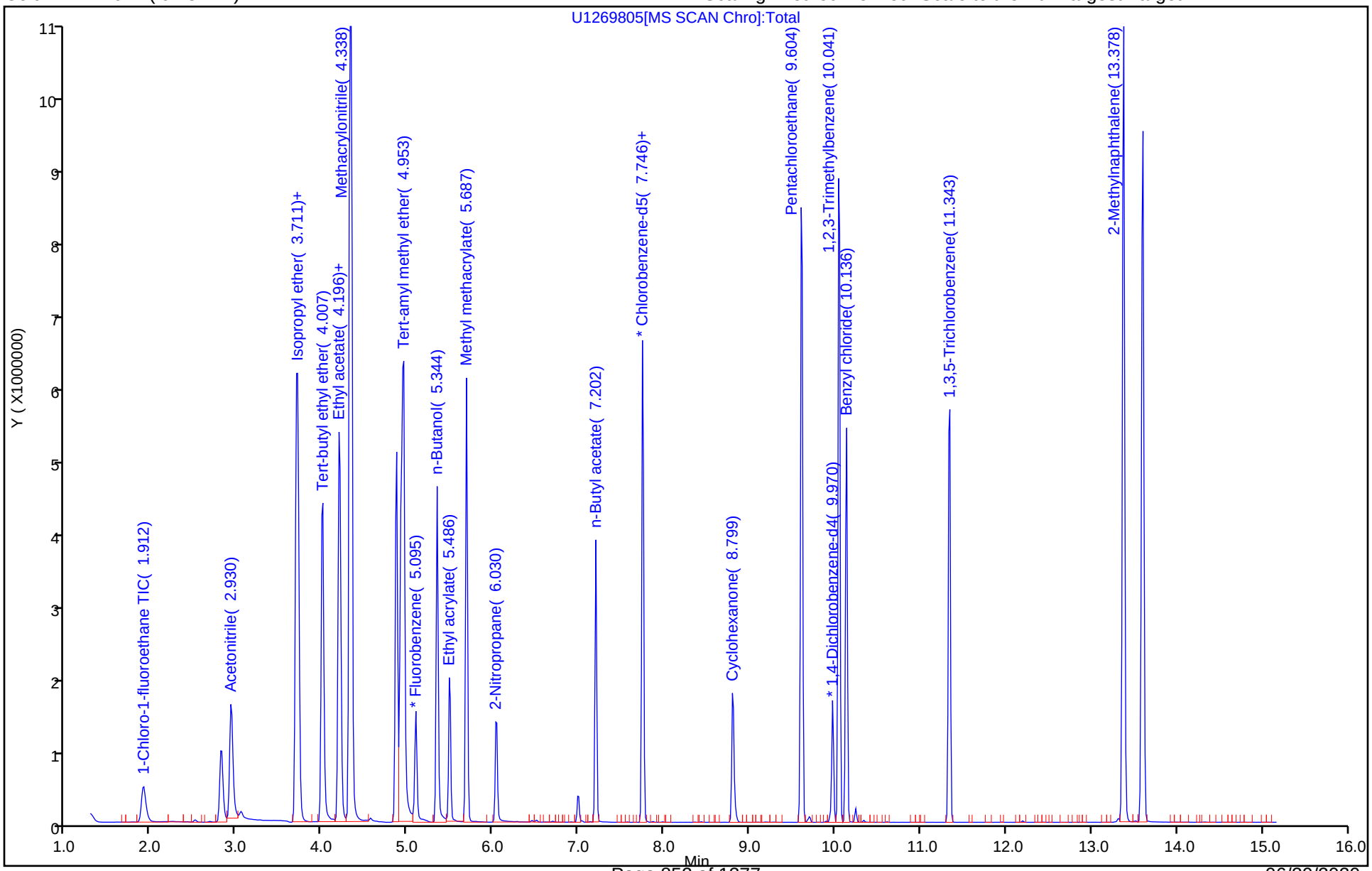
Report Date: 01-May-2019 13:34:27 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269805.D

Injection Date:	30-Apr-2019 17:52:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	stdA9 L7			Worklist Smp#:	18
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269806a.D
Lims ID: stdA9 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 30-Apr-2019 18:14:30 ALS Bottle#: 13 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-019
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub1

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 01-May-2019 13:34:30 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: laveyt Date: 01-May-2019 13:27:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1213815	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.758	0.000	67	786859	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.970	9.971	-0.001	94	452339	20.0	20.0	
13 1-Chloro-1-fluoroethane TI	47	1.912	1.912	0.000	99	840871	60.0	62.3	
26 Acetonitrile	41	2.930	2.942	-0.012	99	2101087	600.0	569.8	
37 Isopropyl ether	87	3.699	3.699	0.000	94	996957	60.0	60.9	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	89	1704173	60.0	61.7	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	97	3195035	60.0	59.6	
43 Ethyl acetate	43	4.196	4.196	0.000	98	2526193	120.0	113.6	
44 Propionitrile	54	4.208	4.208	0.000	99	2665338	600.0	592.3	
45 Methacrylonitrile	41	4.326	4.326	0.000	92	7907632	600.0	527.3	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	99	3262969	60.0	59.3	
58 n-Butanol	56	5.344	5.344	0.000	84	1898282	1500.0	1321.0	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	1406385	60.0	60.4	
63 Methyl methacrylate	41	5.687	5.687	0.000	87	1767987	120.0	114.2	
67 2-Nitropropane	41	6.042	6.030	0.012	99	551865	120.0	118.3	
79 n-Butyl acetate	43	7.201	7.202	-0.001	97	1668759	60.0	60.4	
82 1-Chlorohexane	91	7.746	7.746	0.000	96	1358865	60.0	60.4	
91 Cyclohexanone	55	8.799	8.799	0.000	91	599459	600.0	569.4	
103 Pentachloroethane	167	9.615	9.604	0.011	92	1304124	120.0	130.0	
109 1,2,3-Trimethylbenzene	105	10.041	10.042	-0.001	98	4083704	60.0	61.1	
110 Benzyl chloride	91	10.136	10.136	0.000	98	2953444	60.0	61.2	
114 1,3,5-Trichlorobenzene	180	11.343	11.343	0.000	98	1589890	60.0	55.9	
119 2-Methylnaphthalene	142	13.378	13.378	0.000	93	4794940	120.0	85.4	

Reagents:

vm50is_stk_A_00003 Amount Added: 2.00 Units: uL
vmra9w_00295 Amount Added: 48.00 Units: uL

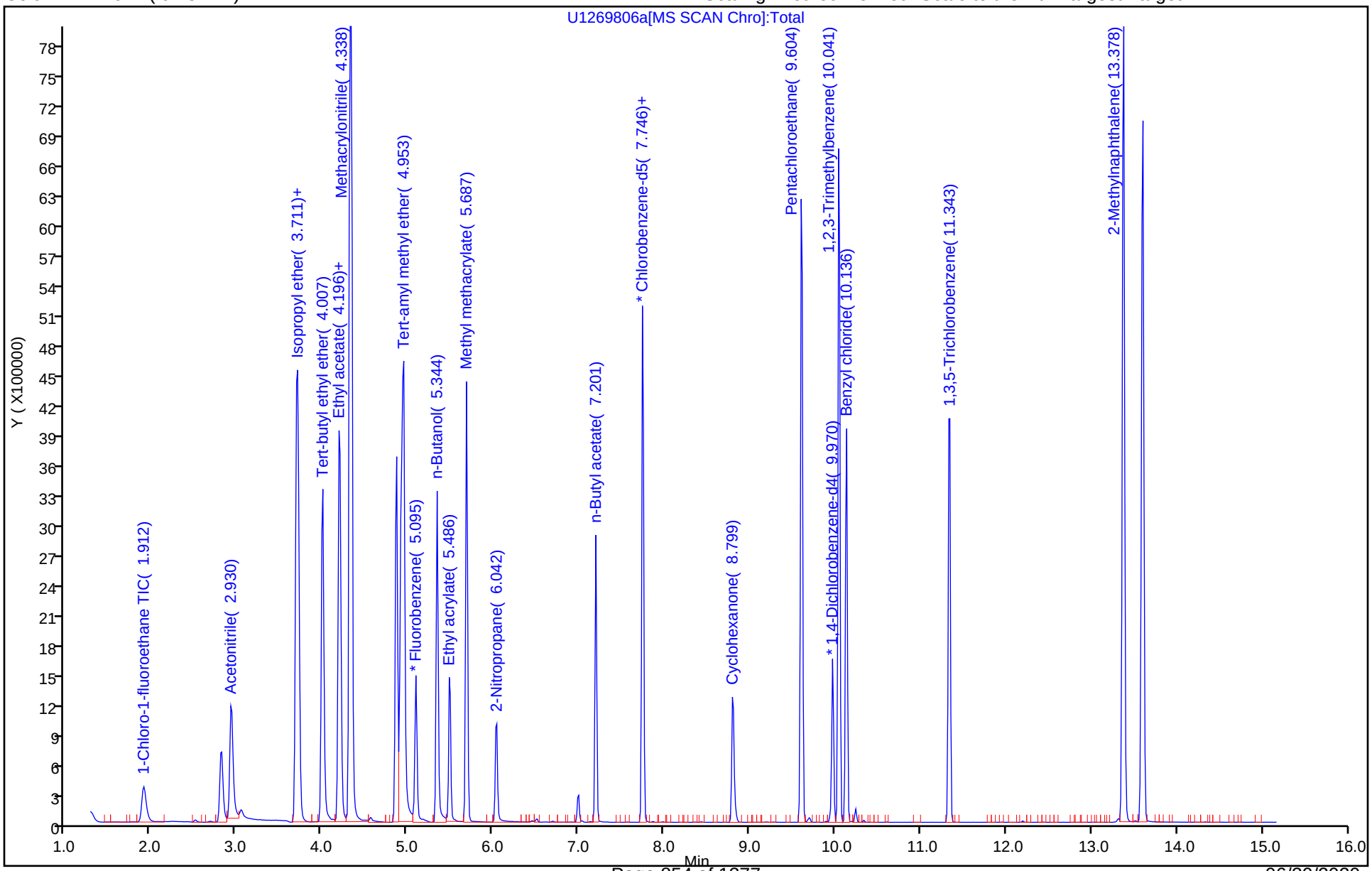
Report Date: 01-May-2019 13:34:31 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269806a.D

Injection Date:	30-Apr-2019 18:14:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	stdA9 L6			Worklist Smp#:	19
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269807.D
Lims ID: stdA9 L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 30-Apr-2019 18:37:30 ALS Bottle#: 14 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-020
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub1

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 01-May-2019 13:34:34 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: laveyt Date: 01-May-2019 13:24:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1204738	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.758	0.000	78	790773	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.970	9.971	-0.001	94	437947	20.0	20.0	
13 1-Chloro-1-fluoroethane TI	47	1.912	1.912	0.000	99	564873	40.0	42.2	
26 Acetonitrile	41	2.930	2.942	-0.012	100	1532543	400.0	416.3	
37 Isopropyl ether	87	3.699	3.699	0.000	94	669786	40.0	41.2	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	90	1153399	40.0	42.1	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	97	2160558	40.0	40.6	
43 Ethyl acetate	43	4.196	4.196	0.000	99	1760036	80.0	79.8	
44 Propionitrile	54	4.208	4.208	0.000	99	1837399	400.0	408.8	
45 Methacrylonitrile	41	4.326	4.326	0.000	92	5530137	400.0	371.5	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	98	2215191	40.0	40.6	
58 n-Butanol	56	5.344	5.344	0.000	84	1305583	1000.0	915.4	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	971753	40.0	42.0	
63 Methyl methacrylate	41	5.687	5.687	0.000	88	1265557	80.0	82.4	
67 2-Nitropropane	41	6.030	6.030	0.000	99	377049	80.0	81.4	
79 n-Butyl acetate	43	7.201	7.202	-0.001	97	1173240	40.0	42.2	
82 1-Chlorohexane	91	7.746	7.746	0.000	96	947724	40.0	41.9	
91 Cyclohexanone	55	8.799	8.799	0.000	91	429161	400.0	402.4	
103 Pentachloroethane	167	9.615	9.604	0.011	91	878170	80.0	90.4	
109 1,2,3-Trimethylbenzene	105	10.041	10.042	-0.001	98	2794328	40.0	43.2	
110 Benzyl chloride	91	10.136	10.136	0.000	98	1985115	40.0	42.5	
114 1,3,5-Trichlorobenzene	180	11.343	11.343	0.000	98	1098427	40.0	39.9	
119 2-Methylnaphthalene	142	13.378	13.378	0.000	93	3502147	80.0	64.4	

Reagents:

vm50is_stk_A_00003 Amount Added: 2.00 Units: uL
vmra9w_00295 Amount Added: 32.00 Units: uL

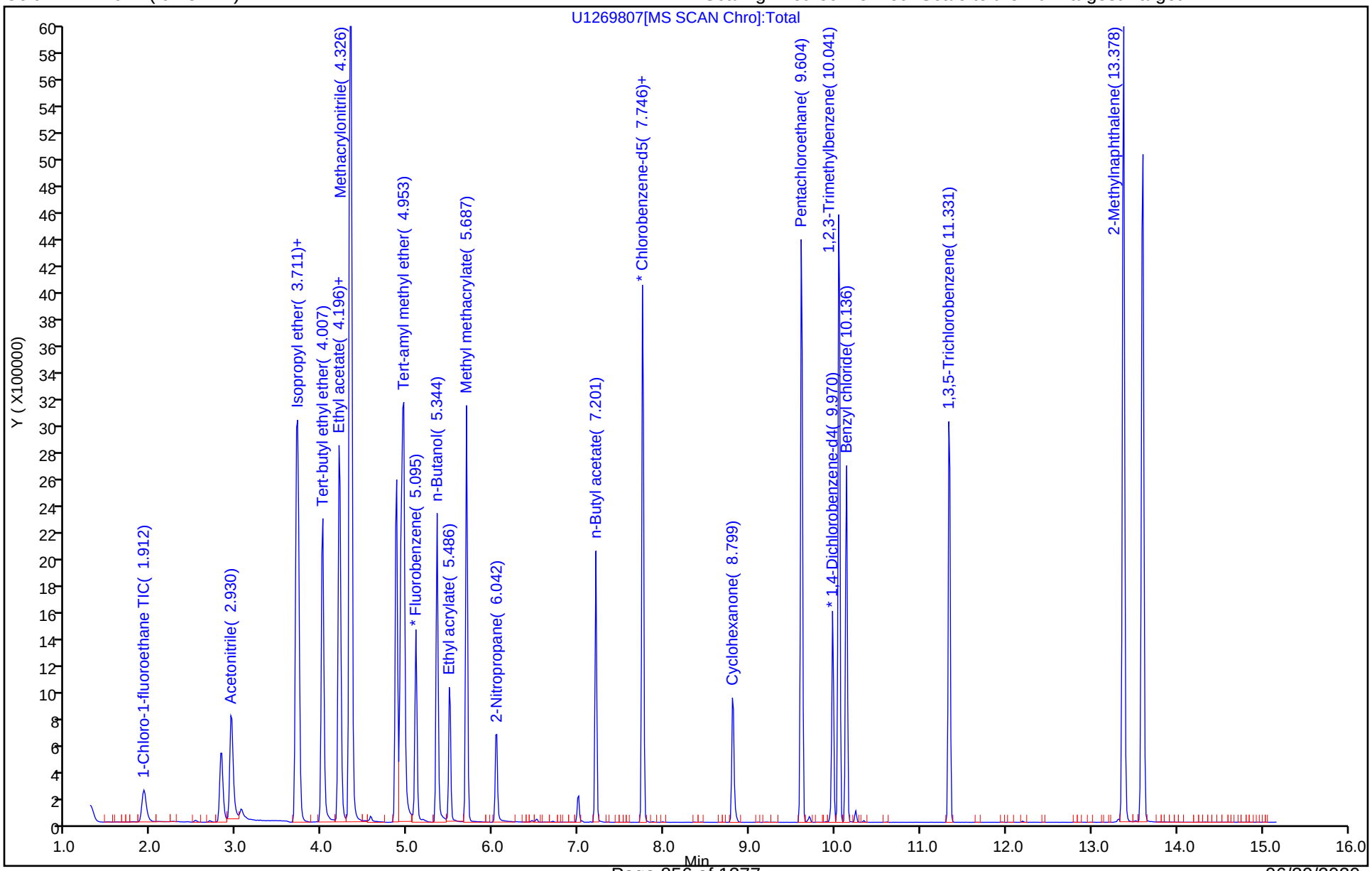
Report Date: 01-May-2019 13:34:36 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269807.D

Injection Date:	30-Apr-2019 18:37:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	stdA9 L5			Worklist Smp#:	20
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269808.D
Lims ID: stdA9 L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 30-Apr-2019 18:59:30 ALS Bottle#: 15 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-021
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub1

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 01-May-2019 13:34:39 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: laveyt Date: 01-May-2019 13:24:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1259919	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.758	0.000	84	866975	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.971	9.971	0.000	94	477773	20.0	20.0	
13 1-Chloro-1-fluoroethane TI	47	1.912	1.912	0.000	99	279594	20.0	20.0	
26 Acetonitrile	41	2.942	2.942	0.000	100	871009	200.0	221.9	
37 Isopropyl ether	87	3.699	3.699	0.000	94	329172	20.0	19.4	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	89	559516	20.0	19.5	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	97	1071213	20.0	19.3	
43 Ethyl acetate	43	4.196	4.196	0.000	99	980925	40.0	42.5	
44 Propionitrile	54	4.208	4.208	0.000	99	1053523	200.0	220.3	
45 Methacrylonitrile	41	4.326	4.326	0.000	92	3119038	200.0	200.4	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	97	1091058	20.0	19.1	
58 n-Butanol	56	5.344	5.344	0.000	84	748361	500.0	501.7	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	551287	20.0	22.8	
63 Methyl methacrylate	41	5.687	5.687	0.000	88	709925	40.0	44.2	
67 2-Nitropropane	41	6.030	6.030	0.000	98	203229	40.0	42.0	
79 n-Butyl acetate	43	7.202	7.202	0.000	97	629474	20.0	20.7	
82 1-Chlorohexane	91	7.746	7.746	0.000	98	492974	20.0	19.9	
91 Cyclohexanone	55	8.799	8.799	0.000	91	283168	200.0	237.8	
103 Pentachloroethane	167	9.604	9.604	0.000	90	425029	40.0	40.1	
109 1,2,3-Trimethylbenzene	105	10.042	10.042	0.000	98	1397402	20.0	19.8	
110 Benzyl chloride	91	10.136	10.136	0.000	98	1010740	20.0	19.8	
114 1,3,5-Trichlorobenzene	180	11.343	11.343	0.000	98	577890	20.0	19.2	
119 2-Methylnaphthalene	142	13.378	13.378	0.000	93	2324694	40.0	39.2	

Reagents:

vm50is_stk_A_00003 Amount Added: 2.00 Units: uL
vmra9w_00295 Amount Added: 16.00 Units: uL

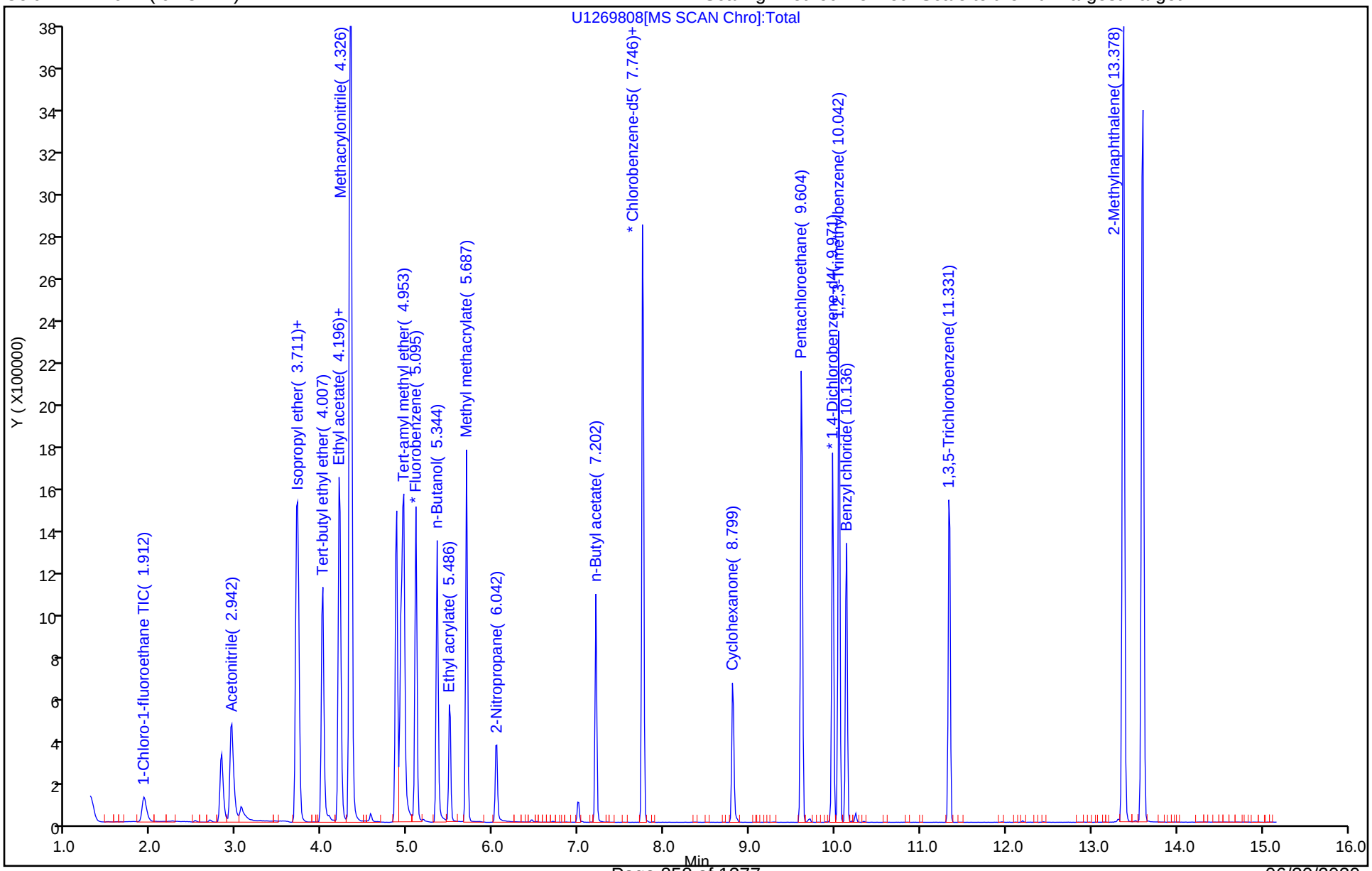
Report Date: 01-May-2019 13:34:41 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269808.D

Injection Date:	30-Apr-2019 18:59:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	stdA9 L4			Worklist Smp#:	21
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269809.D
Lims ID: stdA9 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 30-Apr-2019 19:21:30 ALS Bottle#: 16 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-022
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub1

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 01-May-2019 13:34:45 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: laveyt Date: 01-May-2019 13:25:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1200078	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.758	0.000	85	774797	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.971	9.971	0.000	94	434033	20.0	20.0	
13 1-Chloro-1-fluoroethane TI	47	1.912	1.912	0.000	99	113596	10.0	8.51	
26 Acetonitrile	41	2.942	2.942	0.000	100	409382	100.0	104.8	
37 Isopropyl ether	87	3.699	3.699	0.000	94	141946	10.0	8.77	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	90	229589	10.0	8.41	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	96	479805	10.0	9.06	
43 Ethyl acetate	43	4.196	4.196	0.000	99	412608	20.0	18.8	
44 Propionitrile	54	4.208	4.208	0.000	99	485430	100.0	102.2	
45 Methacrylonitrile	41	4.326	4.326	0.000	92	1404926	100.0	94.8	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	98	504826	10.0	9.28	
58 n-Butanol	56	5.344	5.344	0.000	84	333535	250.0	234.8	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	213092	10.0	9.25	
63 Methyl methacrylate	41	5.687	5.687	0.000	89	285867	20.0	18.7	
67 2-Nitropropane	41	6.030	6.030	0.000	98	80875	20.0	17.5	
79 n-Butyl acetate	43	7.202	7.202	0.000	97	254037	10.0	9.34	
82 1-Chlorohexane	91	7.746	7.746	0.000	94	177328	10.0	8.00	
91 Cyclohexanone	55	8.799	8.799	0.000	91	124978	100.0	111.9	
103 Pentachloroethane	167	9.616	9.604	0.012	89	166979	20.0	17.4	
109 1,2,3-Trimethylbenzene	105	10.042	10.042	0.000	98	551639	10.0	8.61	
110 Benzyl chloride	91	10.136	10.136	0.000	98	414592	10.0	8.96	
114 1,3,5-Trichlorobenzene	180	11.343	11.343	0.000	98	225441	10.0	8.26	
119 2-Methylnaphthalene	142	13.378	13.378	0.000	93	974233	20.0	18.1	

Reagents:

vm50is_stk_A_00003 Amount Added: 2.00 Units: uL
vmra9w_00295 Amount Added: 8.00 Units: uL

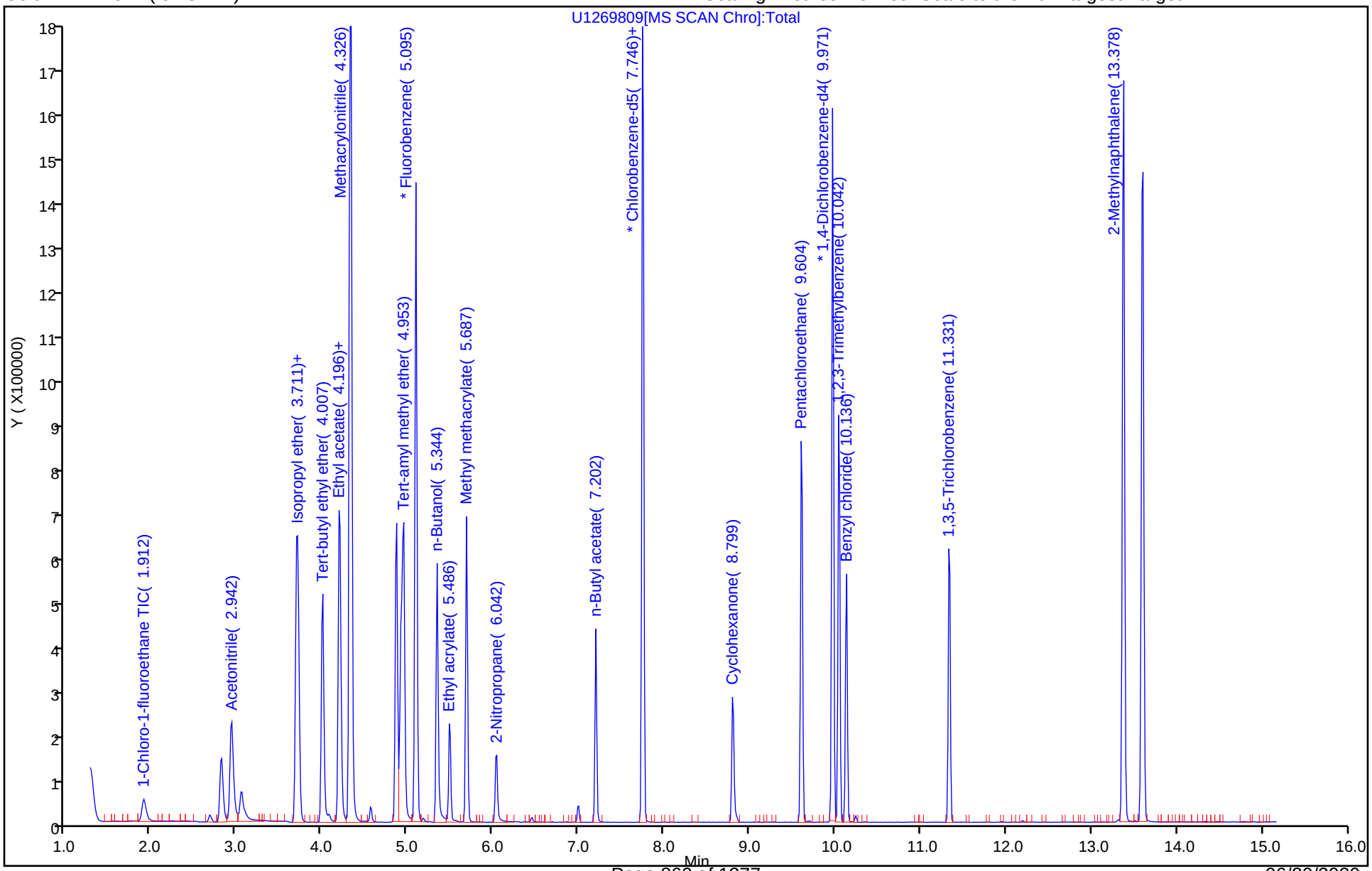
Report Date: 01-May-2019 13:34:47 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269809.D

Injection Date:	30-Apr-2019 19:21:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	stdA9 L3			Worklist Smp#:	22
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269810.D
Lims ID: stdA9 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 30-Apr-2019 19:43:30 ALS Bottle#: 17 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-023
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub1

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 01-May-2019 13:34:50 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: laveyt Date: 01-May-2019 13:25:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1173891	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.758	0.000	84	759721	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.971	9.971	-0.001	94	447620	20.0	20.0	
13 1-Chloro-1-fluoroethane TI	47	1.912	1.912	0.000	96	13857	1.00	1.06	
26 Acetonitrile	41	2.942	2.942	0.000	100	63285	10.0	8.67	
37 Isopropyl ether	87	3.699	3.699	0.000	94	16227	1.00	1.02	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	89	26905	1.00	1.01	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	96	56113	1.00	1.08	
43 Ethyl acetate	43	4.196	4.196	0.000	99	46743	2.00	2.17	
44 Propionitrile	54	4.208	4.208	0.000	99	74659	10.0	8.95	
45 Methacrylonitrile	41	4.326	4.326	0.000	92	186608	10.0	12.9	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	96	58983	1.00	1.11	
58 n-Butanol	56	5.344	5.344	0.000	86	48347	25.0	34.8	
60 Ethyl acrylate	55	5.486	5.486	0.000	98	21871	1.00	0.9710	
63 Methyl methacrylate	41	5.687	5.687	0.000	91	31407	2.00	2.10	
67 2-Nitropropane	41	6.030	6.030	0.000	94	10267	2.00	2.28	
79 n-Butyl acetate	43	7.202	7.202	0.000	97	27432	1.00	1.03	
82 1-Chlorohexane	91	7.746	7.746	0.000	35	21851	1.00	1.01	
91 Cyclohexanone	55	8.799	8.799	0.000	89	18555	10.0	7.61	
103 Pentachloroethane	167	9.604	9.604	0.000	87	17876	2.00	1.80	
109 1,2,3-Trimethylbenzene	105	10.042	10.042	0.000	98	65393	1.00	0.9891	
110 Benzyl chloride	91	10.136	10.136	0.000	98	48324	1.00	1.01	
114 1,3,5-Trichlorobenzene	180	11.343	11.343	0.000	98	32979	1.00	1.17	
119 2-Methylnaphthalene	142	13.378	13.378	0.000	94	211087	2.00	3.80	

Reagents:

vm50is_stk_A_00003 Amount Added: 2.00 Units: uL
vmra9w_00295 Amount Added: 0.80 Units: uL

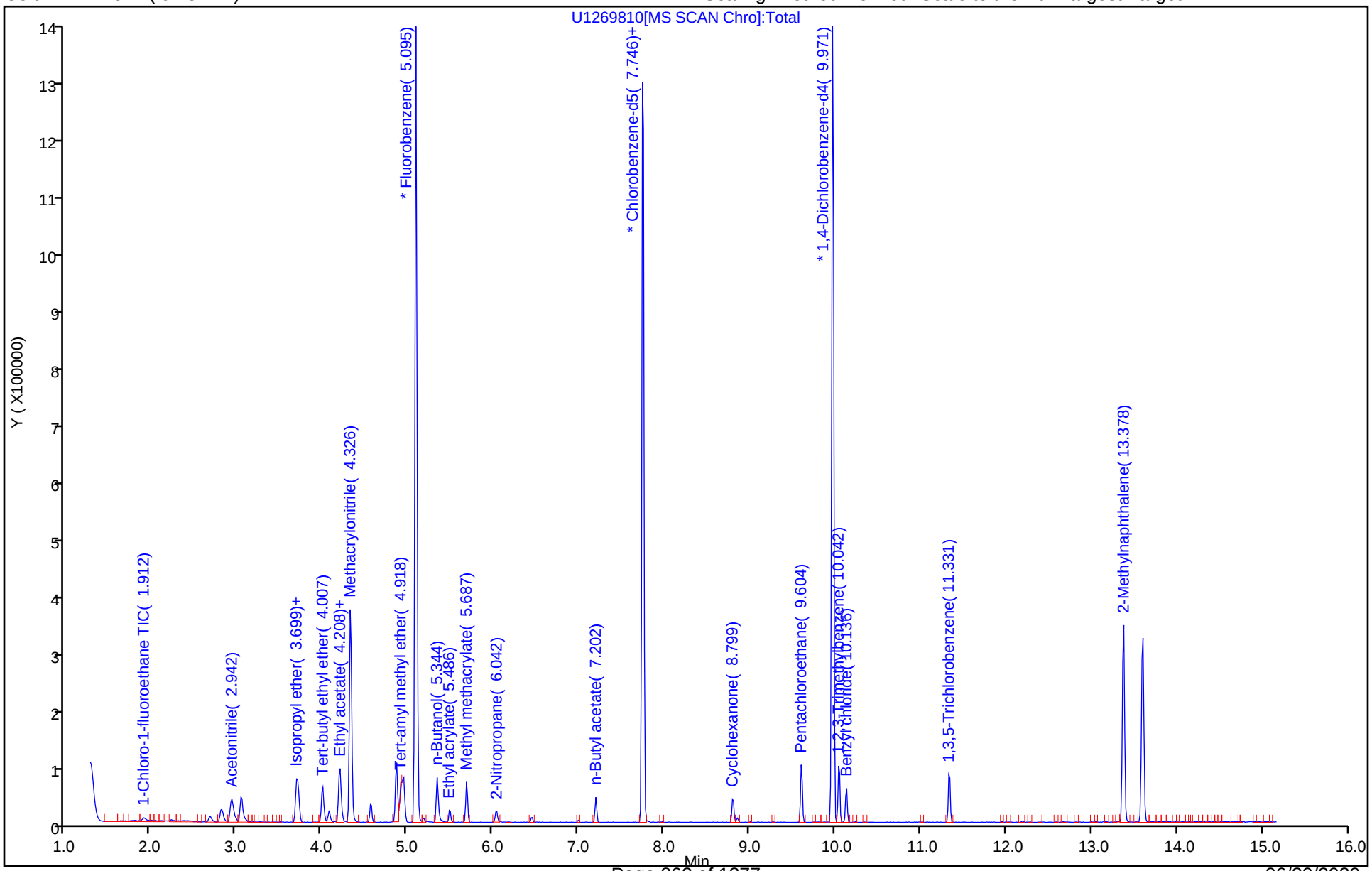
Report Date: 01-May-2019 13:34:51 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269810.D

Injection Date:	30-Apr-2019 19:43:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	stdA9 L2			Worklist Smp#:	23
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D
Lims ID: stdA9 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 30-Apr-2019 20:05:30 ALS Bottle#: 18 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-024
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub1

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 01-May-2019 13:34:55 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: laveyt Date: 01-May-2019 13:26:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1180840	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.758	0.000	85	766902	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.971	9.971	0.000	95	438796	20.0	20.0	
13 1-Chloro-1-fluoroethane TI	47	1.912	1.912	0.000	95	6280	0.5000	0.4783	
26 Acetonitrile	41		2.942				ND	ND	U
37 Isopropyl ether	87	3.699	3.699	0.000	94	8647	0.5000	0.5428	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	88	14129	0.5000	0.5262	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	95	27251	0.5000	0.5229	
43 Ethyl acetate	43	4.196	4.196	0.000	99	22198	1.00	1.03	
44 Propionitrile	54		4.208				ND	ND	U
45 Methacrylonitrile	41	4.326	4.326	0.000	91	79733	5.00	5.47	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	97	27432	0.5000	0.5125	
58 n-Butanol	56		5.344				ND	ND	U
60 Ethyl acrylate	55	5.486	5.486	0.000	96	10419	0.5000	0.4598	
63 Methyl methacrylate	41	5.687	5.687	0.000	88	14620	1.00	0.9709	
67 2-Nitropropane	41	6.030	6.030	0.000	91	4184	1.00	0.9221	
79 n-Butyl acetate	43	7.202	7.202	0.000	94	12754	0.5000	0.4736	
82 1-Chlorohexane	91	7.746	7.746	0.000	34	12533	0.5000	0.5713	
91 Cyclohexanone	55		8.799				ND	ND	U
103 Pentachloroethane	167	9.604	9.604	0.000	85	8865	1.00	0.9111	
109 1,2,3-Trimethylbenzene	105	10.042	10.042	0.000	97	33584	0.5000	0.5182	
110 Benzyl chloride	91	10.136	10.136	0.000	97	22933	0.5000	0.4902	
114 1,3,5-Trichlorobenzene	180	11.343	11.343	0.000	95	16295	0.5000	0.5902	
119 2-Methylnaphthalene	142		13.378				ND	ND	U

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags
U - Marked Undetected

Reagents:

vm50is_stk_A_00003	Amount Added:	2.00	Units: uL
vmra9w_00295	Amount Added:	0.40	Units: uL

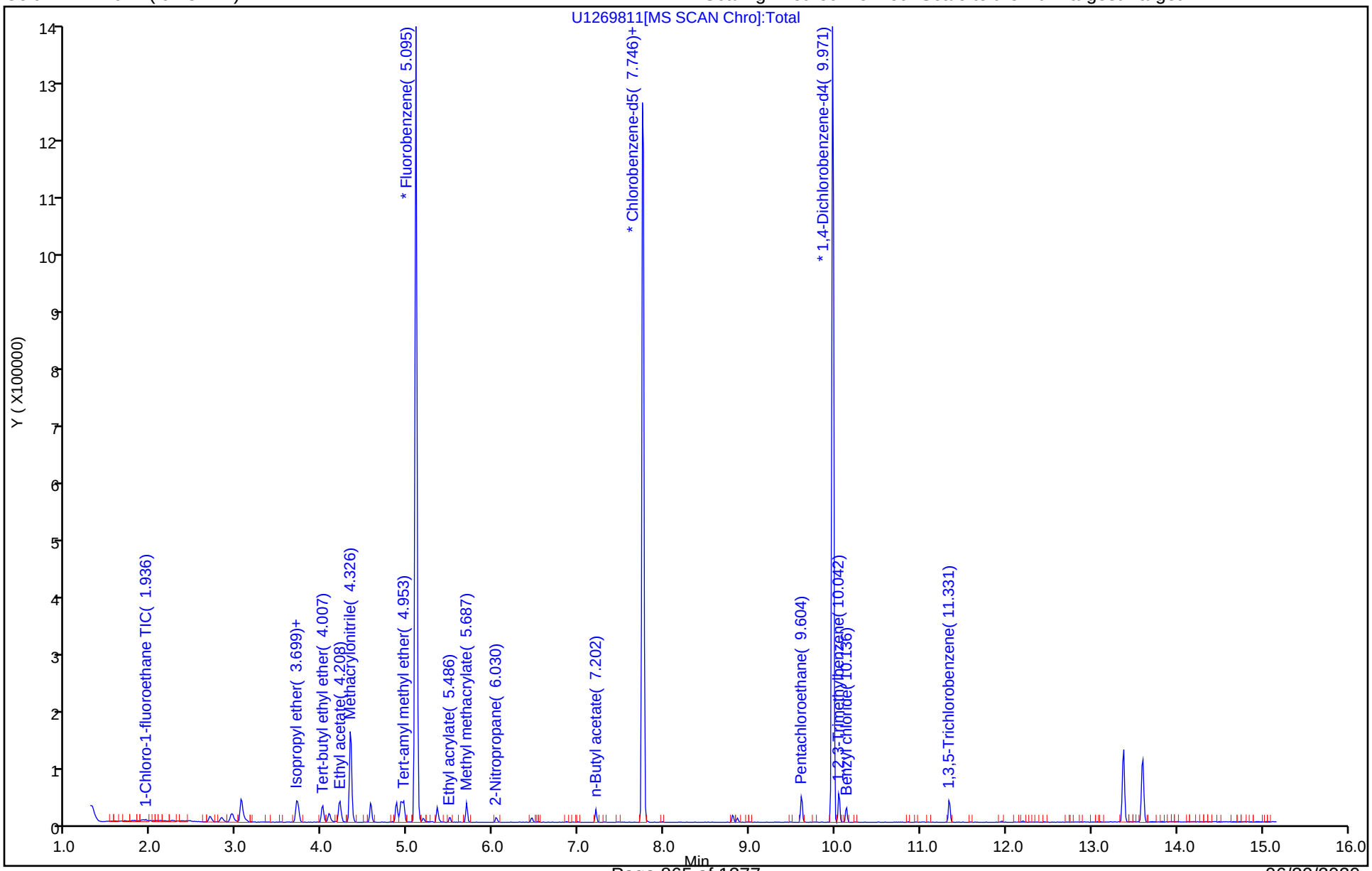
Report Date: 01-May-2019 13:34:56 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Injection Date:	30-Apr-2019 20:05:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	stdA9 L1			Worklist Smp#:	24
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



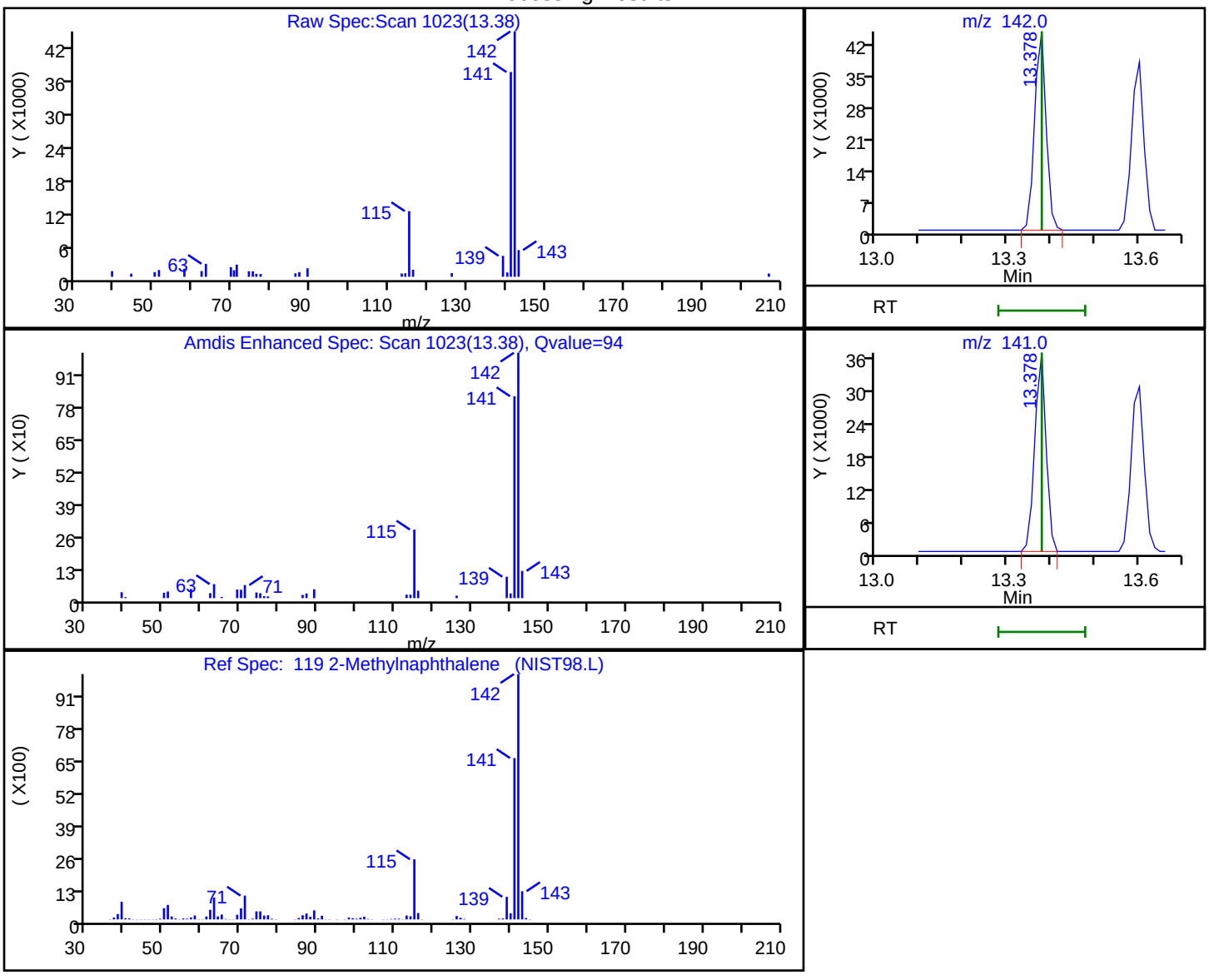
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D				
Injection Date:	30-Apr-2019 20:05:30	Instrument ID:	A3UX12		
Lims ID:	stdA9 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	18	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

119 2-Methylnaphthalene, CAS: 91-57-6

Processing Results



RT	Mass	Response	Amount
13.38	142.00	81429	1.395851
13.38	141.00	66741	

Reviewer: laveyt, 01-May-2019 13:31:57

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

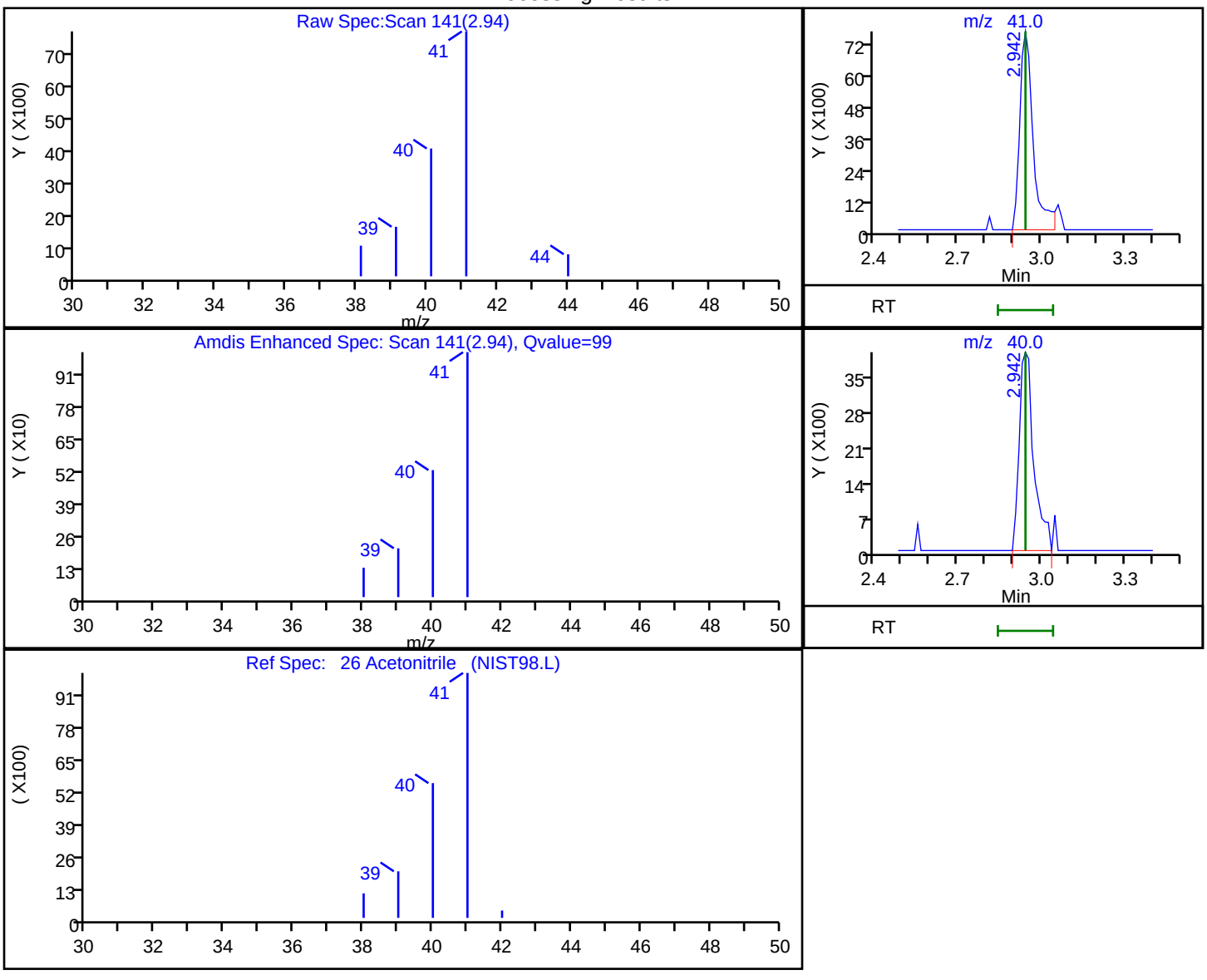
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D				
Injection Date:	30-Apr-2019 20:05:30	Instrument ID:	A3UX12		
Lims ID:	stdA9 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	18	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

26 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
2.94	41.00	25845	2.584425
2.94	40.00	14648	

Reviewer: laveyt, 01-May-2019 13:28:17

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

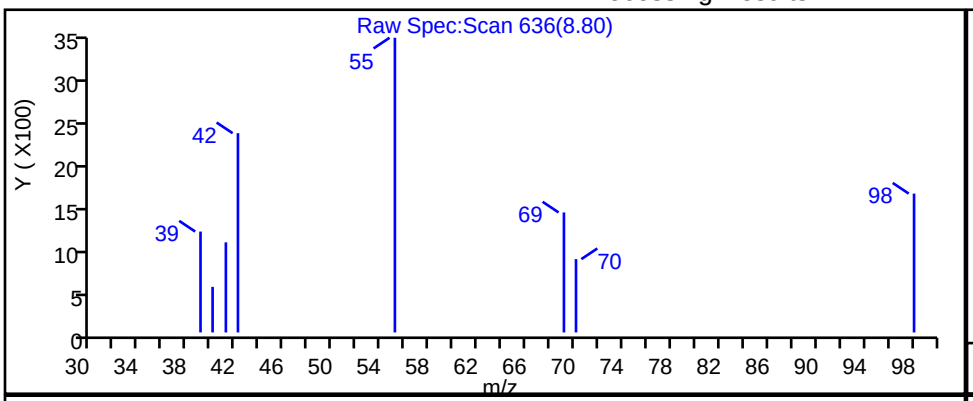
User Disabled Compound Report

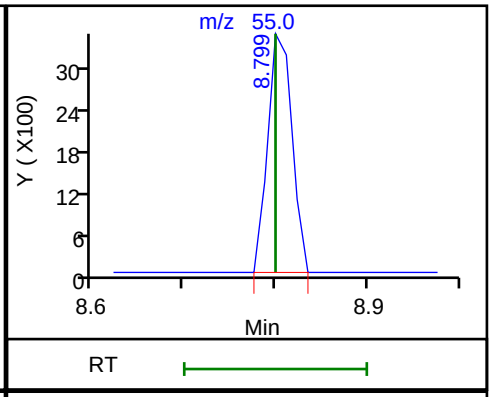
Eurofins TestAmerica, Canton

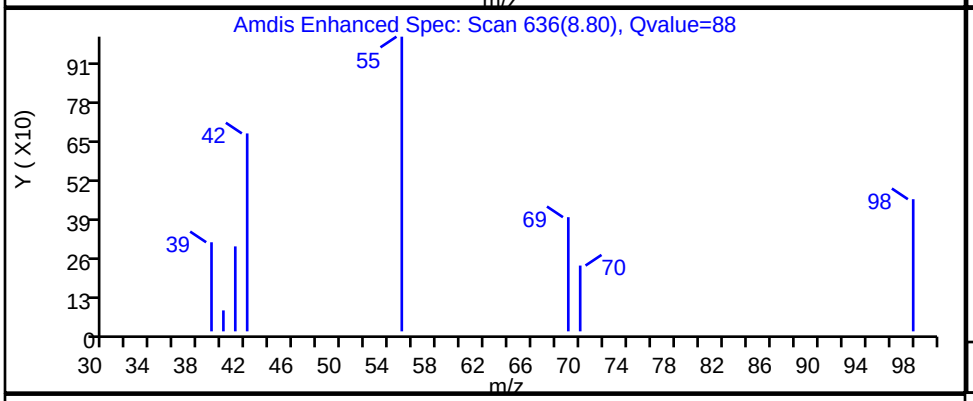
Data File:	\\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D				
Injection Date:	30-Apr-2019 20:05:30	Instrument ID:	A3UX12		
Lims ID:	stdA9 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	18	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

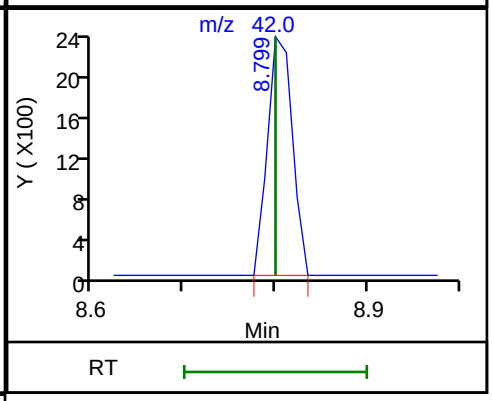
91 Cyclohexanone, CAS: 108-94-1

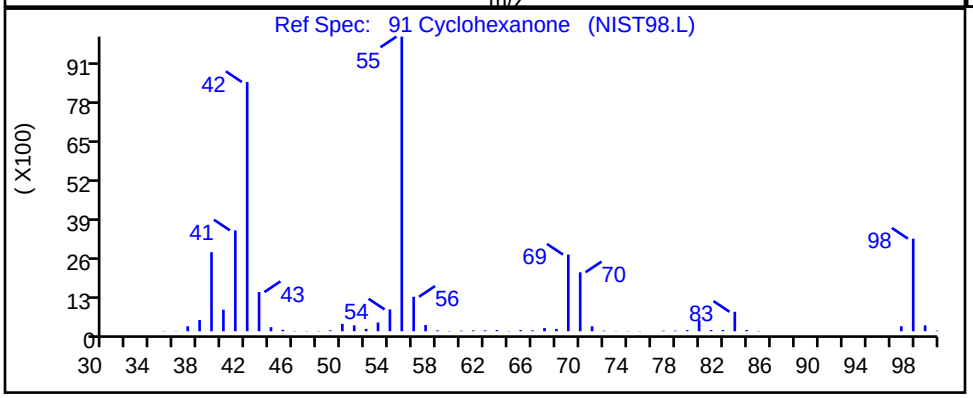
Processing Results











RT	Mass	Response	Amount
8.80	55.00	6285	1.672256
8.80	42.00	4364	

Reviewer: laveyt, 01-May-2019 13:29:31

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

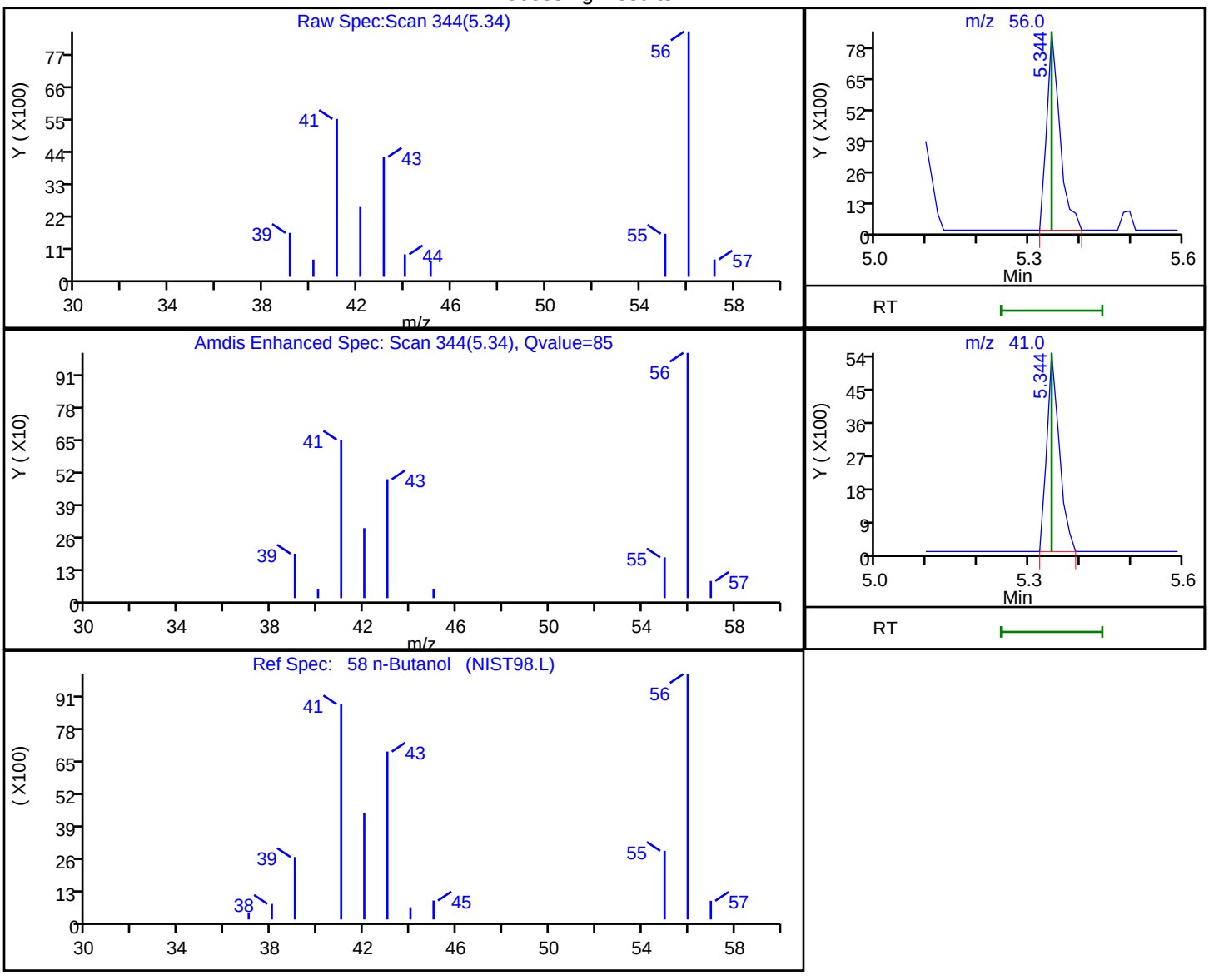
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D
Injection Date: 30-Apr-2019 20:05:30 Instrument ID: A3UX12
Lims ID: stdA9 L1
Client ID:
Operator ID: 001904 ALS Bottle#: 18 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Processing Results



RT	Mass	Response	Amount
5.34	56.00	15149	6.783333
5.34	41.00	9310	

Reviewer: laveyt, 01-May-2019 13:29:12
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

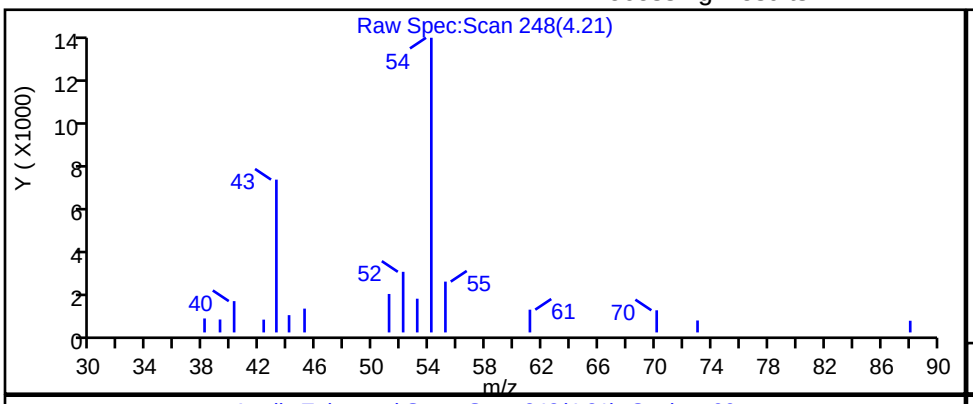
User Disabled Compound Report

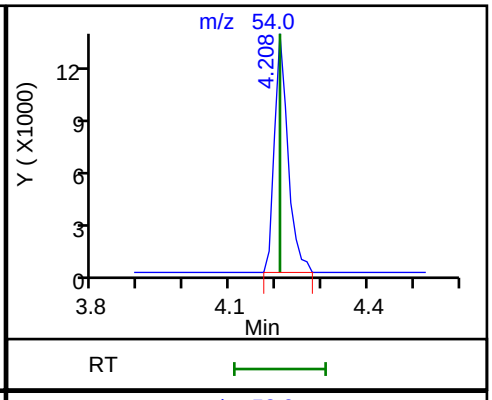
Eurofins TestAmerica, Canton

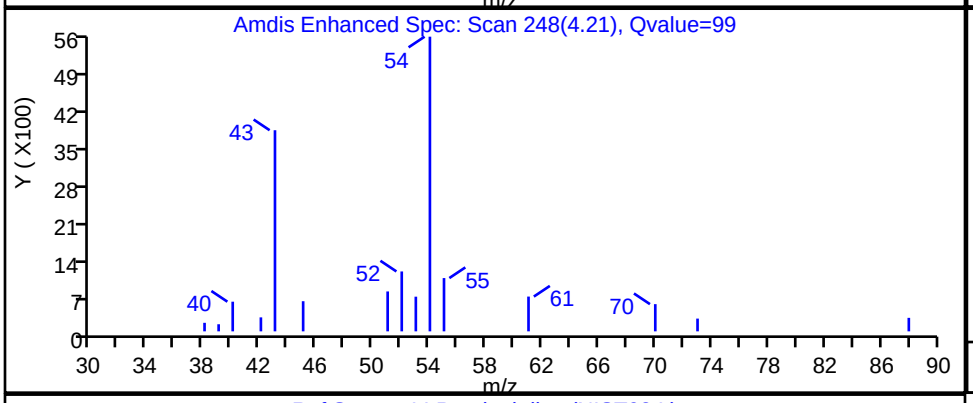
Data File:	\\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D				
Injection Date:	30-Apr-2019 20:05:30	Instrument ID:	A3UX12		
Lims ID:	stdA9 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	18	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

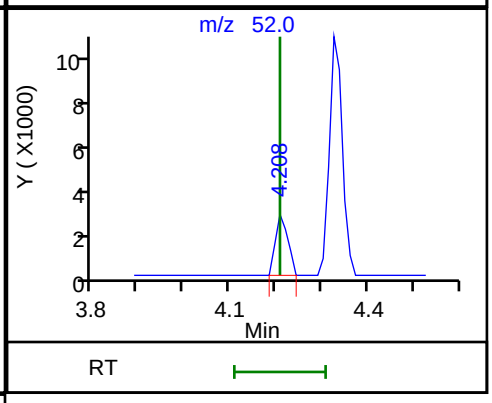
44 Propionitrile, CAS: 107-12-0

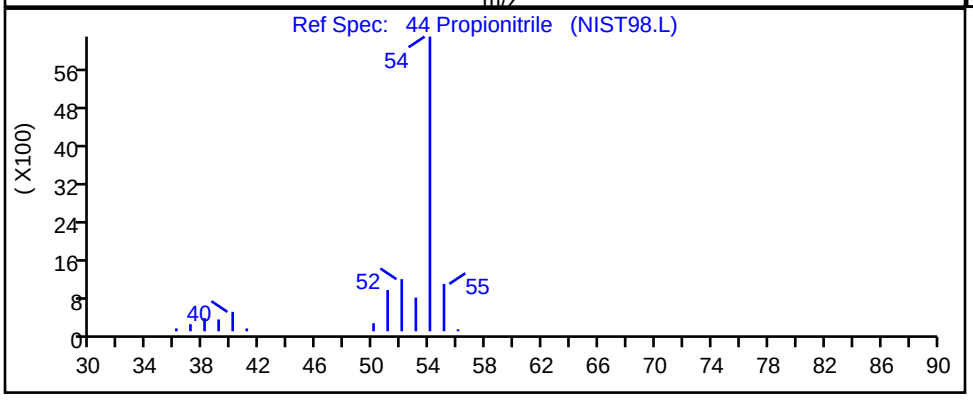
Processing Results











RT	Mass	Response	Amount
4.21	54.00	27066	2.541410
4.21	52.00	5089	

Reviewer: laveyt, 01-May-2019 13:28:46

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, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-434666/15	UXM27988.D
Level 2	STD8260 240-434666/14	UXM27987.D
Level 3	STD8260 240-434666/13	UXM27986.D
Level 4	ICIS 240-434666/12	UXM27985.D
Level 5	STD8260 240-434666/11	UXM27984.D
Level 6	STD8260 240-434666/10	UXM27983.D
Level 7	STD8260 240-434666/9	UXM27982.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3060 0.3885	0.3668 0.3529	0.4201	0.4469	0.4111	Ave		0.3846			0.1000	12.3		20.0			
Chloromethane	0.4789 0.3892	0.4828 0.3718	0.4478	0.4378	0.4404	Ave		0.4355			0.1000	9.6		20.0			
Vinyl chloride	0.4188 0.4659	0.4573 0.4564	0.4854	0.5064	0.5139	Ave		0.4720			0.1000	6.9		20.0			
Butadiene	0.3569 0.4174	0.3867 0.4025	0.4205	0.4338	0.4532	Ave		0.4102				7.7		20.0			
Bromomethane	0.2466 +++++	0.2621 +++++	0.2392	0.2372	0.2573	Ave		0.2485			0.0500	4.4		20.0			
Chloroethane	0.1911 0.2320	0.2186 0.2355	0.2285	0.2390	0.2444	Ave		0.2270			0.0500	7.8		20.0			
Dichlorofluoromethane	0.4933 0.5177	0.5286 0.5144	0.5285	0.5583	0.5623	Ave		0.5290				4.6		20.0			
Trichlorofluoromethane	0.3838 0.4914	0.4343 0.4633	0.5147	0.5362	0.5226	Ave		0.4780			0.1000	11.4		20.0			
Ethyl ether	0.1634 0.2068	0.1862 0.2060	0.2077	0.2141	0.2234	Ave		0.2011				10.0		20.0			
Acrolein	0.0359 0.0408	0.0374 0.0399	0.0391	0.0383	0.0436	Ave		0.0393				6.3		20.0			
1,1-Dichloroethene	0.2421 0.2754	0.2667 0.2687	0.2797	0.2922	0.2961	Ave		0.2744			0.1000	6.6		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2283	0.1925 0.2075	0.2423	0.2574	0.2367	Ave		0.2274			0.0500	10.5		20.0			
Acetone	+++++ 0.0215	0.0326 0.0224	0.0228	0.0226	0.0241	Ave		0.0243			0.0100	17.0		20.0			
Iodomethane	0.3065 0.3517	0.3145 0.3312	0.3016	0.3549	0.3657	Ave		0.3323				7.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

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								
Carbon disulfide	0.9180 0.8984	0.9325 0.8804	0.9222	0.9440	0.9742	Ave		0.9242			0.1000	3.3		20.0			
Methyl acetate	0.1593 0.1651	0.1673 0.1664	0.1684	0.1663	0.1760	Ave		0.1670			0.1000	3.0		20.0			
3-Chloro-1-propene	0.3675 0.3935	0.4048 0.3863	0.3814	0.4035	0.4169	Ave		0.3934				4.2		20.0			
Methylene Chloride	0.3315 0.2955	0.3360 0.2916	0.3052	0.3075	0.3192	Ave		0.3124			0.1000	5.5		20.0			
2-Methyl-2-propanol	0.0203 0.0238	0.0233 0.0236	0.0252	0.0231	0.0256	Ave		0.0235				7.4		20.0			
Acrylonitrile	0.0896 0.1014	0.0978 0.1019	0.0987	0.0997	0.1073	Ave		0.0995				5.4		20.0			
Methyl tert-butyl ether	0.6135 0.8113	0.6730 0.8143	0.7680	0.7895	0.8586	Ave		0.7612			0.1000	11.4		20.0			
trans-1,2-Dichloroethene	0.3170 0.3200	0.3190 0.3205	0.3251	0.3356	0.3429	Ave		0.3257			0.1000	3.0		20.0			
Hexane	+++++ 0.4357	0.2946 0.4071	0.4182	0.4503	0.4306	Ave		0.4061				13.9		20.0			
Vinyl acetate	+++++ 0.5022	0.3551 0.5045	0.4134	0.4565	0.5201	Ave		0.4586				14.0		20.0			
1,1-Dichloroethane	0.4359 0.5136	0.5061 0.5092	0.5163	0.5319	0.5500	Ave		0.5090			0.2000	7.0		20.0			
2-Butanone (MEK)	+++++ 0.0330	0.0237 0.0333	0.0313	0.0311	0.0345	Ave		0.0311			0.0100	12.5		20.0			
cis-1,2-Dichloroethene	0.2796 0.3418	0.3542 0.3361	0.3514	0.3598	0.3695	Ave		0.3418			0.1000	8.6		20.0			
2,2-Dichloropropane	0.4099 0.4945	0.4408 0.4879	0.4777	0.5069	0.5158	Ave		0.4762				8.0		20.0			
Chlorobromomethane	0.1461 0.1477	0.1819 0.1453	0.1633	0.1655	0.1622	Ave		0.1589				8.4		20.0			
Tetrahydrofuran	0.0665 0.0676	0.0661 0.0685	0.0699	0.0681	0.0705	Ave		0.0682				2.4		20.0			
Chloroform	0.4819 0.5139	0.5292 0.5085	0.5330	0.5434	0.5533	Ave		0.5233			0.2000	4.6		20.0			
1,1,1-Trichloroethane	0.4305 0.4780	0.4682 0.4706	0.4835	0.4995	0.5095	Ave		0.4771			0.1000	5.3		20.0			
Cyclohexane	0.3507 0.4924	0.4145 0.4763	0.4935	0.5227	0.5089	Ave		0.4656			0.1000	13.2		20.0			
1,1-Dichloropropene	0.3234 0.4437	0.3777 0.4378	0.4334	0.4586	0.4718	Ave		0.4209				12.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

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								
Carbon tetrachloride	0.3595 0.4240	0.3715 0.4161	0.4163	0.4421	0.4521	Ave		0.4117			0.1000	8.3		20.0			
Isobutyl alcohol	0.0063 0.0070	0.0057 0.0071	0.0071	0.0070	0.0076	Ave		0.0068				9.1		20.0			
Benzene	1.0736 1.2674	1.1320 1.2617	1.2088	1.2774	1.3344	Ave		1.2222			0.5000	7.4		20.0			
1,2-Dichloroethane	0.3845 0.3848	0.3877 0.3818	0.3808	0.4006	0.4122	Ave		0.3903			0.1000	3.0		20.0			
n-Heptane	+++++ 0.2302	0.7419 0.2158	0.2728	0.2603	0.2379	Lin1	0.5399	0.2181				5.7			0.9980		0.9900
Trichloroethene	0.2943 0.3495	0.3229 0.3479	0.3477	0.3664	0.3727	Ave		0.3431			0.1500	7.8		20.0			
Methylcyclohexane	+++++ 0.5704	0.4486 0.5470	0.5608	0.5978	0.5785	Ave		0.5505			0.1000	9.6		20.0			
1,2-Dichloropropane	0.2423 0.2875	0.2813 0.2870	0.2756	0.2920	0.3038	Ave		0.2814			0.1000	6.9		20.0			
1,4-Dioxane	+++++ 0.0037	0.0041 0.0037	0.0038	0.0036	0.0040	Ave		0.0038				4.6		20.0			
Dibromomethane	0.1637 0.1699	0.1728 0.1710	0.1685	0.1784	0.1857	Ave		0.1729				4.2		20.0			
Dichlorobromomethane	0.3432 0.3904	0.3943 0.3900	0.3871	0.4024	0.4184	Ave		0.3894			0.1500	5.9		20.0			
2-Chloroethyl vinyl ether	0.1442 0.1824	0.1477 0.1859	0.1692	0.1759	0.1941	Ave		0.1713				11.1		20.0			
cis-1,3-Dichloropropene	0.4225 0.4985	0.4160 0.4994	0.4764	0.5005	0.5273	Ave		0.4772			0.1500	8.9		20.0			
4-Methyl-2-pentanone (MIBK)	0.1948 0.2124	0.2016 0.2140	0.2099	0.2071	0.2280	Ave		0.2097			0.0500	5.0		20.0			
Toluene	1.4142 1.7223	1.4826 1.6795	1.6148	1.6777	1.7666	Ave		1.6225			0.4000	8.0		20.0			
trans-1,3-Dichloropropene	0.3862 0.5752	0.4539 0.5685	0.5222	0.5495	0.5937	Ave		0.5213			0.1000	14.4		20.0			
Ethyl methacrylate	+++++ 0.4132	0.2835 0.4090	0.3803	0.3984	0.4355	Ave		0.3867				13.9		20.0			
1,1,2-Trichloroethane	0.2563 0.3164	0.2522 0.3104	0.2927	0.3054	0.3288	Ave		0.2946			0.1000	10.1		20.0			
Tetrachloroethene	0.2450 0.3495	0.2804 0.3362	0.3306	0.3423	0.3612	Ave		0.3207			0.1500	13.1		20.0			
1,3-Dichloropropane	0.4057 0.5658	0.4582 0.5484	0.5290	0.5490	0.5839	Ave		0.5200				12.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.1472 0.1793	0.1719 0.1792	0.1821	0.1782	0.1930	Ave		0.1759			0.0500	8.0		20.0			
Chlorodibromomethane	0.2785 0.3694	0.3067 0.3618	0.3369	0.3565	0.3855	Ave		0.3422				11.0		20.0			
Ethylene Dibromide	0.2527 0.3337	0.2857 0.3253	0.3134	0.3262	0.3485	Ave		0.3122				10.5		20.0			
Chlorobenzene	0.8678 1.1062	1.0112 1.0779	1.0619	1.0897	1.1519	Ave		1.0524			0.3000	8.7		20.0			
1,1,1,2-Tetrachloroethane	0.2683 0.3929	0.3026 0.3834	0.3520	0.3755	0.4038	Ave		0.3541				14.3		20.0			
Ethylbenzene	0.4731 0.6317	0.5107 0.6160	0.5961	0.6256	0.6507	Ave		0.5863				11.5		20.0			
m-Xylene & p-Xylene	0.5811 0.7744	0.6563 0.7512	0.7417	0.7573	0.8032	Ave		0.7236				10.7		20.0			
o-Xylene	0.5361 0.7420	0.6389 0.7219	0.7124	0.7268	0.7643	Ave		0.6917				11.4		20.0			
Styrene	0.9223 1.2653	0.9807 1.2494	1.1650	1.2240	1.3086	Ave		1.1593			0.3000	12.9		20.0			
Bromoform	0.1762 0.2466	0.1894 0.2437	0.2237	0.2340	0.2564	Ave		0.2243			0.1000	13.5		20.0			
Isopropylbenzene	1.4672 1.9441	1.6201 1.8940	1.8547	1.9133	1.9952	Ave		1.8126			0.1000	10.7		20.0			
1,1,2,2-Tetrachloroethane	0.6368 0.7157	0.6681 0.7062	0.7116	0.7173	0.7557	Ave		0.7016			0.3000	5.5		20.0			
Bromobenzene	0.6813 0.8376	0.7064 0.8191	0.8337	0.8488	0.8749	Ave		0.8003				9.4		20.0			
trans-1,4-Dichloro-2-butene	0.1767 0.2427	0.2284 0.2364	0.2188	0.2286	0.2494	Ave		0.2258				10.6		20.0			
1,2,3-Trichloropropane	0.2415 0.2406	0.2546 0.2405	0.2519	0.2590	0.2571	Ave		0.2493				3.3		20.0			
N-Propylbenzene	0.8285 1.0314	0.8662 1.0019	0.9931	1.0423	1.0693	Ave		0.9761				9.4		20.0			
2-Chlorotoluene	0.7100 0.8506	0.7564 0.8103	0.8320	0.8485	0.8756	Ave		0.8119				7.2		20.0			
1,3,5-Trimethylbenzene	2.2350 2.8921	2.6143 2.8243	2.7714	2.8784	2.9844	Ave		2.7428				9.2		20.0			
4-Chlorotoluene	0.7530 0.8816	0.8287 0.8642	0.8689	0.8851	0.9071	Ave		0.8555				6.0		20.0			
tert-Butylbenzene	2.0231 2.5936	2.3413 2.5253	2.4866	2.5972	2.6906	Ave		2.4654				9.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.3083 2.9097	2.5059 2.8566	2.7992	2.8961	2.9984	Ave		2.7535				9.1		20.0			
sec-Butylbenzene	2.8678 3.8451	3.2664 3.7580	3.6650	3.8058	3.9411	Ave		3.5927				10.8		20.0			
1,3-Dichlorobenzene	1.3584 1.6070	1.4425 1.5528	1.5911	1.6088	1.6670	Ave		1.5468			0.6000	7.0		20.0			
4-Isopropyltoluene	2.5058 3.3051	2.8485 3.2195	3.1572	3.3048	3.3823	Ave		3.1033				10.2		20.0			
1,4-Dichlorobenzene	1.4038 1.6034	1.4607 1.5535	1.5778	1.6127	1.6638	Ave		1.5537			0.5000	5.9		20.0			
n-Butylbenzene	2.1178 2.8800	2.3772 2.7988	2.7342	2.8599	2.9756	Ave		2.6776				11.7		20.0			
1,2-Dichlorobenzene	1.2369 1.4707	1.4595 1.4366	1.4509	1.4773	1.5444	Ave		1.4395			0.4000	6.7		20.0			
1,2-Dibromo-3-Chloropropane	0.1141 0.1709	0.1700 0.1725	0.1674	0.1708	0.1781	Ave		0.1634			0.0500	13.4		20.0			
1,2,4-Trichlorobenzene	0.7555 0.9016	0.8327 0.8659	0.8427	0.8771	0.9247	Ave		0.8572			0.2000	6.4		20.0			
Hexachlorobutadiene	0.3344 0.3934	0.3482 0.3820	0.3896	0.3975	0.4167	Ave		0.3803				7.6		20.0			
Naphthalene	2.1977 2.4008	2.3923 2.3167	2.3825	2.3740	2.5023	Ave		2.3666				3.9		20.0			
1,2,3-Trichlorobenzene	0.7017 0.7984	0.7911 0.7616	0.7950	0.7764	0.8146	Ave		0.7770				4.8		20.0			
Dibromofluoromethane (Surr)	0.2746 0.2838	0.2972 0.2792	0.2934	0.3025	0.3085	Ave		0.2913				4.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3096 0.3096	0.3269 0.3098	0.3207	0.3254	0.3357	Ave		0.3197				3.2		20.0			
Toluene-d8 (Surr)	1.2582 1.4517	1.2042 1.4110	1.3904	1.4346	1.5092	Ave		1.3799				7.9		20.0			
4-Bromofluorobenzene (Surr)	0.4539 0.5147	0.4878 0.5001	0.5196	0.5206	0.5477	Ave		0.5063				5.9		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-434666/15	UXM27988.D
Level 2	STD8260 240-434666/14	UXM27987.D
Level 3	STD8260 240-434666/13	UXM27986.D
Level 4	ICIS 240-434666/12	UXM27985.D
Level 5	STD8260 240-434666/11	UXM27984.D
Level 6	STD8260 240-434666/10	UXM27983.D
Level 7	STD8260 240-434666/9	UXM27982.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	6563 1208196	15558 1432874	201880	420230	803379	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloromethane	FB	Ave	10272 1210252	20474 1509898	215176	411713	860798	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl chloride	FB	Ave	8983 1448881	19393 1853421	233249	476196	1004340	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Butadiene	FB	Ave	7656 1298085	16402 1634394	202039	407993	885755	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromomethane	FB	Ave	5289 +++++	11114 +++++	114916	223035	502954	0.500 +++++	1.00 +++++	10.0	20.0	40.0
Chloroethane	FB	Ave	4100 721559	9271 956400	109794	224743	477574	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dichlorofluoromethane	FB	Ave	10581 1609987	22418 2088787	253943	525044	1098986	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Trichlorofluoromethane	FB	Ave	8232 1528094	18420 1881205	247301	504256	1021397	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl ether	FB	Ave	3506 643134	7898 836555	99784	201374	436603	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acrolein	FB	Ave	3854 634943	7925 811033	93897	180101	425813	2.50 300	5.00 400	50.0	100	200
1,1-Dichloroethene	FB	Ave	5193 856509	11311 1091325	134402	274773	578690	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	+++++ 709841	8162 842658	116438	242050	462567	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Acetone	FB	Ave	+++++ 133988	2763 181656	21894	42484	94124	+++++ 120	2.00 160	20.0	40.0	80.0
Iodomethane	FB	Ave	6574 1093884	13336 1345058	144903	333719	714664	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon disulfide	FB	Ave	19691 2793956	39549 3574986	443121	887730	1903952	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

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
Methyl acetate	FB	Ave	6834 1026956	14187 1351739	161797	312857	687826	1.00 120	2.00 160	20.0	40.0	80.0
3-Chloro-1-propene	FB	Ave	7883 1223666	17166 1568836	183250	379431	814769	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methylene Chloride	FB	Ave	7111 919029	14251 1184066	146672	289171	623880	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Methyl-2-propanol	FB	Ave	4346 739265	9866 959298	121041	217318	500636	5.00 600	10.0 800	100	200	400
Acrylonitrile	FB	Ave	19213 3152086	41489 4139989	474326	937151	2097844	5.00 600	10.0 800	100	200	400
Methyl tert-butyl ether	FB	Ave	13159 2523225	28540 3306607	369044	742436	1678039	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,2-Dichloroethene	FB	Ave	6800 995135	13527 1301441	156233	315592	670221	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexane	FB	Ave	+++++ 1355106	12496 1653309	200954	423483	841613	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl acetate	FB	Ave	+++++ 1561700	15059 2048709	198633	429306	1016429	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloroethane	FB	Ave	9351 1597351	21465 2067956	248107	500218	1074904	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Butanone (MEK)	FB	Ave	+++++ 205327	2007 270440	30096	58448	134863	+++++ 120	2.00 160	20.0	40.0	80.0
cis-1,2-Dichloroethene	FB	Ave	5998 1062904	15022 1364914	168828	338400	722204	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2,2-Dichloropropane	FB	Ave	8793 1537904	18693 1981435	229537	476654	1008144	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chlorobromomethane	FB	Ave	3133 459200	7715 590068	78481	155674	316974	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrahydrofuran	FB	Ave	2855 420192	5604 556184	67136	128058	275724	1.00 120	2.00 160	20.0	40.0	80.0
Chloroform	FB	Ave	10337 1598073	22443 2065010	256130	510975	1081418	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1-Trichloroethane	FB	Ave	9235 1486661	19858 1910834	232307	469738	995675	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Cyclohexane	FB	Ave	7523 1531270	17579 1934032	237147	491567	994654	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloropropene	FB	Ave	6937 1379872	16020 1777935	208238	431230	922144	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon tetrachloride	FB	Ave	7712 1318751	15757 1689538	200039	415764	883538	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isobutyl alcohol	FB	Ave	3366 547640	6089 723216	85586	164209	371068	12.5 1500	25.0 2000	250	500	1000

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

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
Benzene	FB	Ave	23030 3941460	48007 5123544	580846	1201253	2607947	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane	FB	Ave	8247 1196614	16443 1550331	182966	376690	805704	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Heptane	FB	Lin1	+++++ 715802	31464 876244	131103	244814	464970	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Trichloroethene	FB	Ave	6313 1087064	13694 1412865	167067	344595	728457	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	+++++ 1773861	19026 2221307	269469	562163	1130580	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloropropane	FB	Ave	5197 893985	11930 1165540	132429	274588	593751	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,4-Dioxane	FB	Ave	+++++ 228108	3440 300686	36374	68205	155348	+++++ 1200	20.0 1600	200	400	800
Dibromomethane	FB	Ave	3511 528365	7329 694361	80968	167791	362920	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dichlorobromomethane	FB	Ave	7362 1214015	16724 1583652	186019	378429	817722	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chloroethyl vinyl ether	FB	Ave	6188 1134684	12527 1509802	162569	330841	758544	1.00 120	2.00 160	20.0	40.0	80.0
cis-1,3-Dichloropropene	FB	Ave	9062 1550183	17643 2027839	228920	470694	1030548	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	8355 1321092	17101 1737738	201734	389532	891382	1.00 120	2.00 160	20.0	40.0	80.0
Toluene	CBNZ d5	Ave	26996 4260299	54963 5540850	641681	1308155	2819001	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	7372 1422751	16828 1875599	207516	428491	947406	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl methacrylate	CBNZ d5	Ave	+++++ 1021981	10511 1349215	151121	310679	695031	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloroethane	CBNZ d5	Ave	4893 782747	9350 1024150	116305	238120	524667	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrachloroethene	CBNZ d5	Ave	4676 864608	10396 1109337	131382	266869	576318	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichloropropane	CBNZ d5	Ave	7744 1399520	16985 1809414	210225	428084	931813	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Hexanone	CBNZ d5	Ave	5621 887053	12744 1182182	144758	277943	615969	1.00 120	2.00 160	20.0	40.0	80.0
Chlorodibromomethane	CBNZ d5	Ave	5316 913646	11370 1193687	133886	277968	615203	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethylene Dibromide	CBNZ d5	Ave	4823 825478	10593 1073148	124538	254321	556097	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

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
Chlorobenzene	CBNZ d5	Ave	16566 2736134	37487 3556172	421952	849656	1838077	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5121 971974	11216 1264758	139890	292777	644312	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethylbenzene	CBNZ d5	Ave	9031 1562427	18931 2032451	236876	487819	1038368	0.500 60.0	1.00 80.0	10.0	20.0	40.0
m-Xylene & p-Xylene	CBNZ d5	Ave	11092 1915463	24331 2478229	294747	590454	1281765	0.500 60.0	1.00 80.0	10.0	20.0	40.0
o-Xylene	CBNZ d5	Ave	10233 1835268	23684 2381598	283077	566672	1219662	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Styrene	CBNZ d5	Ave	17606 3129810	36356 4121930	462947	954414	2088257	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromoform	CBNZ d5	Ave	3363 609860	7023 804127	88887	182438	409166	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isopropylbenzene	CBNZ d5	Ave	28007 4808786	60059 6248523	737005	1491822	3183890	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	6455 960821	13344 1265431	150050	298213	656058	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromobenzene	DCBd 4	Ave	6906 1124463	14109 1467701	175795	352879	759556	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	1791 325755	4561 423641	46132	95037	216496	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichloropropane	DCBd 4	Ave	2448 322990	5084 430917	53122	107679	223227	0.500 60.0	1.00 80.0	10.0	20.0	40.0
N-Propylbenzene	DCBd 4	Ave	8398 1384613	17300 1795321	209400	433284	928345	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chlorotoluene	DCBd 4	Ave	7197 1141891	15107 1452042	175443	352752	760181	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	22656 3882524	52213 5060818	584379	1196596	2591098	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Chlorotoluene	DCBd 4	Ave	7633 1183437	16552 1548562	183214	367969	787574	0.500 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butylbenzene	DCBd 4	Ave	20508 3481793	46762 4525084	524316	1079707	2336013	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	23399 3906169	50048 5118659	590229	1203961	2603241	0.500 60.0	1.00 80.0	10.0	20.0	40.0
sec-Butylbenzene	DCBd 4	Ave	29070 5161872	65238 6733878	772805	1582135	3421656	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCBd 4	Ave	13770 2157328	28811 2782519	335492	668787	1447316	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Isopropyltoluene	DCBd 4	Ave	25401 4436896	56892 5769048	665728	1373885	2936542	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

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
1,4-Dichlorobenzene	DCBd 4	Ave	14230 2152493	29173 2783675	332695	670413	1444498	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Butylbenzene	DCBd 4	Ave	21468 3866269	47478 5015197	576522	1188929	2583389	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCBd 4	Ave	12538 1974289	29150 2574200	305937	614140	1340841	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1157 229360	3395 309159	35308	71022	154667	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	7658 1210318	16631 1551579	177699	364647	802854	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	DCBd 4	Ave	3390 528160	6955 684493	82153	165229	361806	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Naphthalene	DCBd 4	Ave	22277 3222971	47780 4151252	502370	986906	2172484	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	7113 1071754	15800 1364667	167624	322784	707210	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromofluoromethane (Surr)	FB	Ave	5891 882660	12605 1133701	140972	284465	603010	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	6642 962950	13862 1258205	154104	305962	656015	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Toluene-d8 (Surr)	CBNZ d5	Ave	24017 3590922	44640 4655018	552509	1118576	2408325	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	8664 1273155	18085 1649907	206467	405920	874040	0.500 60.0	1.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 09:45 Calibration End Date: 05/18/2020 12:13 Calibration ID: 57113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-434666/15	UXM27988.D
Level 2	STD8260 240-434666/14	UXM27987.D
Level 3	STD8260 240-434666/13	UXM27986.D
Level 4	ICIS 240-434666/12	UXM27985.D
Level 5	STD8260 240-434666/11	UXM27984.D
Level 6	STD8260 240-434666/10	UXM27983.D
Level 7	STD8260 240-434666/9	UXM27982.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
n-Heptane	+++++	-7.4						50				

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27982.D
Lims ID: std8260 L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 18-May-2020 09:45:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-009
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 18-May-2020 14:41:41 Calib Date: 18-May-2020 14:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27993.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1042

First Level Reviewer: bosworthh Date: 18-May-2020 10:30:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1015201	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	83	824800	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.873	10.862	0.011	93	447975	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	93	1133701	80.0	76.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.597	-0.001	98	1258205	80.0	77.5	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	92	4655018	80.0	81.8	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	90	1649907	80.0	79.0	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	99	1432874	80.0	73.4	
10 Chloromethane	50	1.920	1.920	0.000	99	1509898	80.0	68.3	
11 Vinyl chloride	62	2.027	2.027	0.000	98	1853421	80.0	77.4	
12 Butadiene	54	2.074	2.075	-0.001	98	1634394	80.0	78.5	
13 Bromomethane	94		2.371				ND	ND	U
14 Chloroethane	64	2.466	2.490	-0.024	100	956400	80.0	83.0	
15 Dichlorofluoromethane	67	2.715	2.727	-0.012	97	2088787	80.0	77.8	
16 Trichlorofluoromethane	101	2.739	2.751	-0.012	98	1881205	80.0	77.5	
17 Ethyl ether	59	3.035	3.035	0.000	88	836555	80.0	82.0	
18 Acrolein	56	3.165	3.166	-0.001	99	811033	400.0	406.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.272	3.272	0.000	93	842658	80.0	73.0	
19 1,1-Dichloroethene	96	3.260	3.272	-0.012	98	1091325	80.0	78.3	
21 Acetone	58	3.308	3.308	0.000	100	181656	160.0	147.1	
23 Iodomethane	142	3.403	3.415	-0.012	98	1345058	80.0	79.7	
24 Carbon disulfide	76	3.474	3.474	0.000	99	3574986	80.0	76.2	
27 Methyl acetate	43	3.592	3.604	-0.012	96	1351739	160.0	159.5	
26 3-Chloro-1-propene	41	3.604	3.616	-0.012	86	1568836	80.0	78.6	
28 Methylene Chloride	84	3.735	3.735	0.000	88	1184066	80.0	74.7	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	99	959298	800.0	802.6	
30 Acrylonitrile	53	3.948	3.948	0.000	99	4139989	800.0	819.8	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	95	3306607	80.0	85.6	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	97	1301441	80.0	78.7	
33 Hexane	57	4.221	4.221	0.000	90	1653309	80.0	80.2	
35 Vinyl acetate	43	4.363	4.363	0.000	97	2048709	80.0	88.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	2067956	80.0	80.0	
40 2-Butanone (MEK)	72	4.861	4.861	0.000	98	270440	160.0	171.1	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	81	1364914	80.0	78.7	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	88	1981435	80.0	82.0	
46 Tetrahydrofuran	42	5.087	5.087	0.000	84	556184	160.0	160.7	
45 Chlorobromomethane	128	5.087	5.087	0.000	92	590068	80.0	73.2	
47 Chloroform	83	5.158	5.158	0.000	94	2065010	80.0	77.7	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	98	1910834	80.0	78.9	
49 Cyclohexane	56	5.371	5.371	0.000	87	1934032	80.0	81.8	
51 Carbon tetrachloride	117	5.442	5.442	0.000	89	1689538	80.0	80.9	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	94	1777935	80.0	83.2	
52 Isobutyl alcohol	41	5.502	5.502	0.000	93	723216	2000.0	2082.5	
54 Benzene	78	5.620	5.620	0.000	96	5123544	80.0	82.6	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	97	1550331	80.0	78.2	
56 n-Heptane	57	5.845	5.846	-0.001	89	876244	80.0	76.7	
58 Trichloroethene	130	6.178	6.178	0.000	96	1412865	80.0	81.1	
60 Methylcyclohexane	83	6.391	6.391	0.000	88	2221307	80.0	79.5	
61 1,2-Dichloropropane	63	6.415	6.415	0.000	93	1165540	80.0	81.6	
64 1,4-Dioxane	88	6.462	6.462	0.000	89	300686	1600.0	1558.1	
63 Dibromomethane	93	6.486	6.486	0.000	95	694361	80.0	79.1	
65 Dichlorobromomethane	83	6.628	6.628	0.000	99	1583652	80.0	80.1	
67 2-Chloroethyl vinyl ether	63	6.865	6.865	0.000	93	1509802	160.0	173.6	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	95	2027839	80.0	83.7	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	95	1737738	160.0	163.3	
70 Toluene	91	7.316	7.316	0.000	98	5540850	80.0	82.8	
71 trans-1,3-Dichloropropene	75	7.518	7.518	0.000	95	1875599	80.0	87.2	
72 Ethyl methacrylate	69	7.541	7.541	0.000	88	1349215	80.0	84.6	
73 1,1,2-Trichloroethane	97	7.695	7.696	-0.001	90	1024150	80.0	84.3	
75 Tetrachloroethene	164	7.790	7.790	0.000	98	1109337	80.0	83.9	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	88	1809414	80.0	84.4	
76 2-Hexanone	43	7.885	7.885	0.000	94	1182182	160.0	163.0	
78 Chlorodibromomethane	129	8.051	8.051	0.000	90	1193687	80.0	84.6	
80 Ethylene Dibromide	107	8.170	8.170	0.000	98	1073148	80.0	83.3	
82 Chlorobenzene	112	8.620	8.621	-0.001	96	3556172	80.0	81.9	
84 Ethylbenzene	106	8.703	8.704	-0.001	98	2032451	80.0	84.1	
83 1,1,1,2-Tetrachloroethane	131	8.703	8.704	-0.001	96	1264758	80.0	86.6	
85 m-Xylene & p-Xylene	106	8.834	8.834	0.000	98	2478229	80.0	83.0	
86 o-Xylene	106	9.201	9.202	-0.001	96	2381598	80.0	83.5	
87 Styrene	104	9.213	9.213	0.000	95	4121930	80.0	86.2	
88 Bromoform	173	9.403	9.403	0.000	97	804127	80.0	86.9	
89 Isopropylbenzene	105	9.545	9.546	-0.001	95	6248523	80.0	83.6	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	95	1265431	80.0	80.5	
93 Bromobenzene	156	9.877	9.878	-0.001	93	1467701	80.0	81.9	
94 trans-1,4-Dichloro-2-butene	53	9.889	9.878	0.011	86	423641	80.0	83.7	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	83	430917	80.0	77.2	
96 N-Propylbenzene	120	9.960	9.961	-0.001	99	1795321	80.0	82.1	
97 2-Chlorotoluene	126	10.055	10.055	0.000	97	1452042	80.0	79.8	
99 1,3,5-Trimethylbenzene	105	10.126	10.127	-0.001	94	5060818	80.0	82.4	
100 4-Chlorotoluene	126	10.174	10.174	0.000	96	1548562	80.0	80.8	
102 tert-Butylbenzene	119	10.447	10.447	0.000	92	4525084	80.0	81.9	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	97	5118659	80.0	83.0	
105 sec-Butylbenzene	105	10.660	10.660	0.000	94	6733878	80.0	83.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.790	10.791	-0.001	98	2782519	80.0	80.3	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	5769048	80.0	83.0	
108 1,4-Dichlorobenzene	146	10.897	10.897	0.000	96	2783675	80.0	80.0	
111 n-Butylbenzene	91	11.217	11.218	-0.001	97	5015197	80.0	83.6	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	98	2574200	80.0	79.8	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	89	309159	80.0	84.5	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	94	1551579	80.0	80.8	
116 Hexachlorobutadiene	225	13.020	13.008	0.012	98	684493	80.0	80.4	
117 Naphthalene	128	13.150	13.151	0.000	97	4151252	80.0	78.3	
118 1,2,3-Trichlorobenzene	180	13.399	13.400	-0.001	96	1364667	80.0	78.4	
S 134 Trihalomethanes, Total	1				0		320.0	329.4	
S 158 Total BTEX	1				0		400.0	416.0	
S 131 1,2-Dichloroethene, Total	96				0			157.4	
S 132 1,3-Dichloropropene, Total	75				0			171.0	
S 133 Xylenes, Total	106				0		160.0	166.5	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

vmrgas_00339	Amount Added:	64.00	Units: uL
vmarolistdw_00345	Amount Added:	64.00	Units: uL
vmrprimw_00386	Amount Added:	64.00	Units: uL
vm50ss_00401	Amount Added:	64.00	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

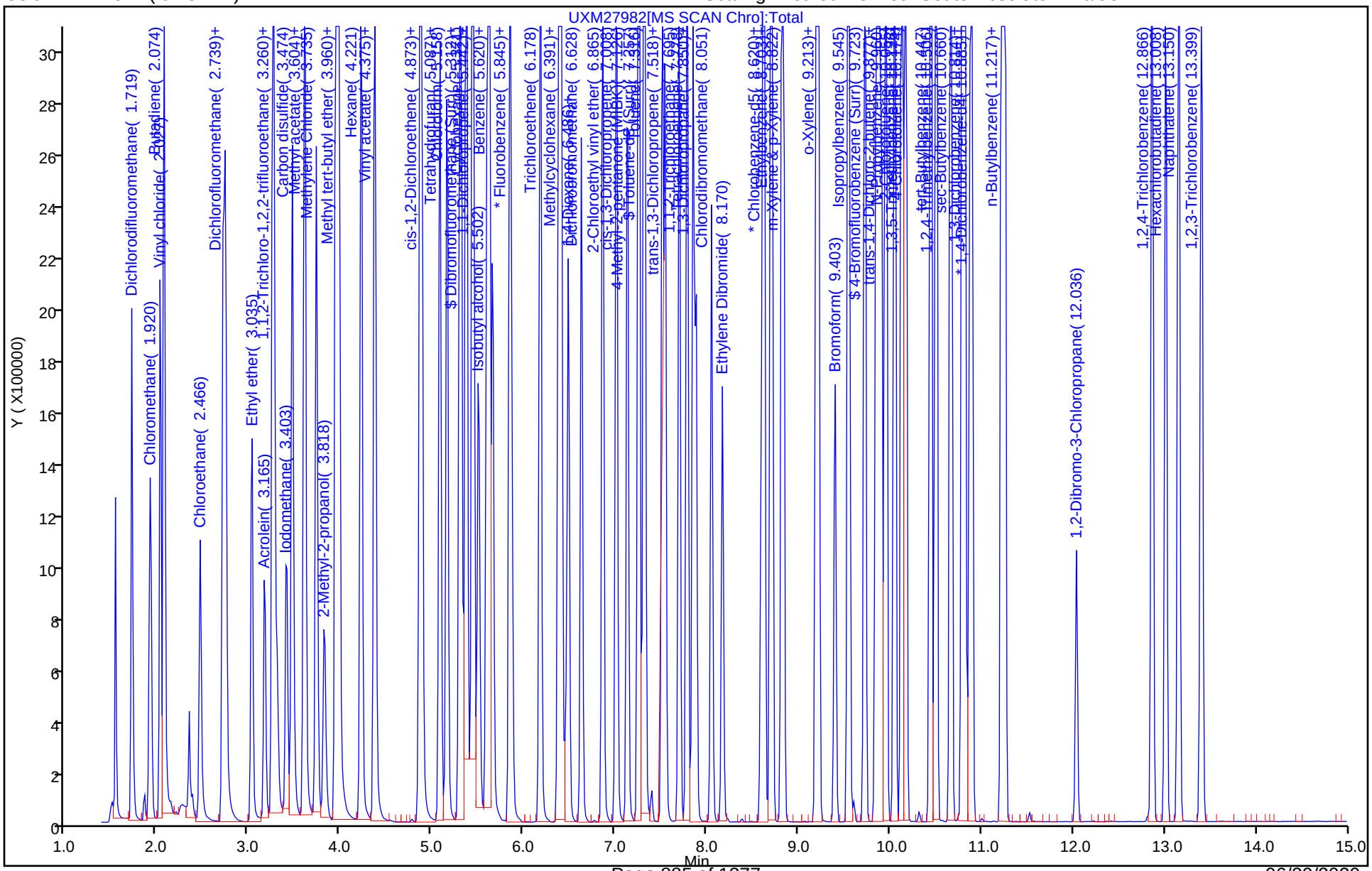
Report Date: 18-May-2020 14:41:43 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27982.D

Injection Date:	18-May-2020 09:45:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L7			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



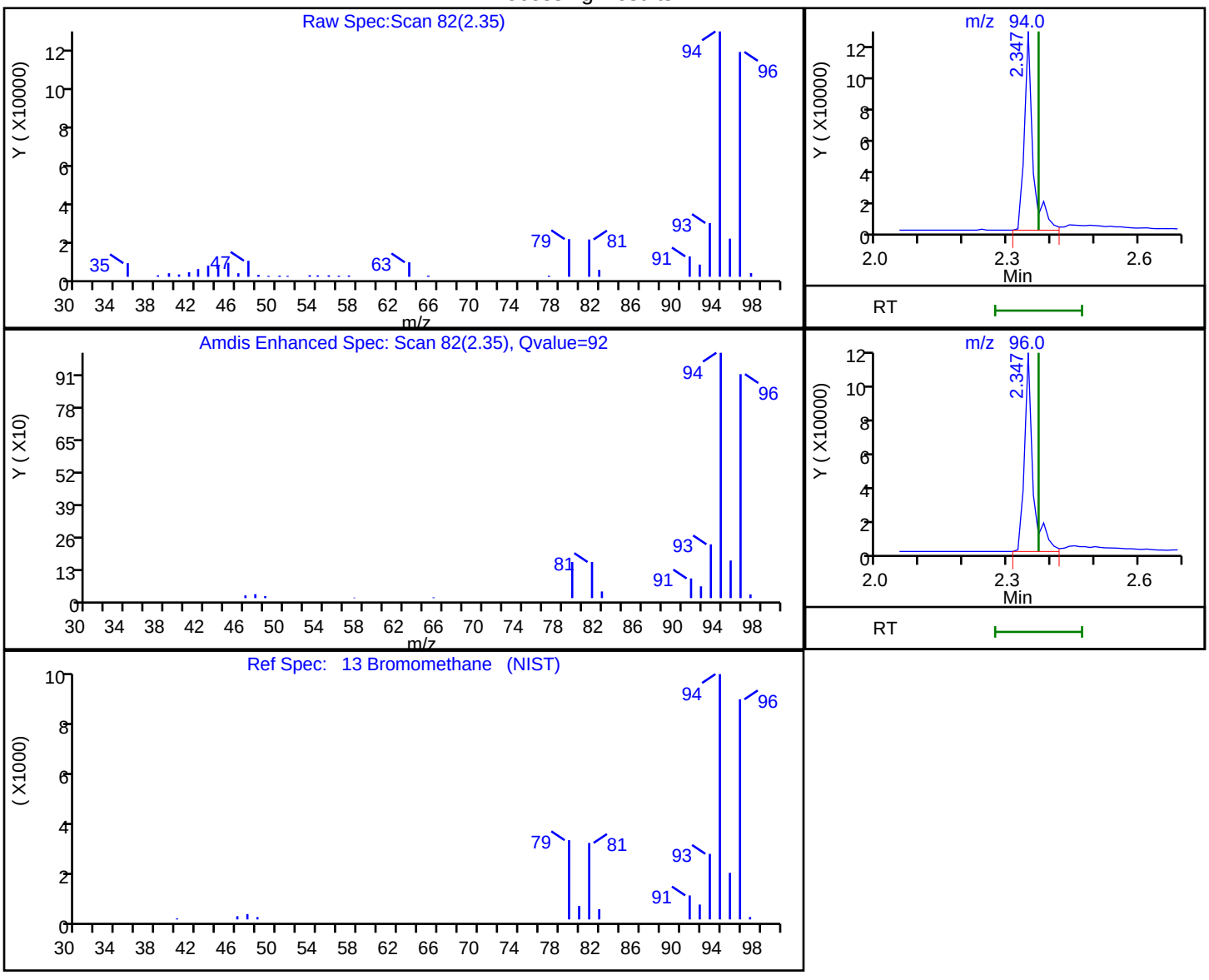
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27982.D				
Injection Date:	18-May-2020 09:45:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L7				
Client ID:					
Operator ID:	001765	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.35	94.00	177244	48.580790
2.35	96.00	161833	

Reviewer: bosworthh, 18-May-2020 10:30:32

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27983.D
Lims ID: std8260 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 18-May-2020 10:10:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-010
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 18-May-2020 14:41:52 Calib Date: 18-May-2020 14:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27993.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1042

First Level Reviewer: bosworthh Date: 18-May-2020 12:13:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1036640	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	83	824521	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	94	447481	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	93	882660	60.0	58.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.597	-0.001	97	962950	60.0	58.1	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	3590922	60.0	63.1	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	91	1273155	60.0	61.0	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	99	1208196	60.0	60.6	
10 Chloromethane	50	1.920	1.920	0.000	99	1210252	60.0	53.6	
11 Vinyl chloride	62	2.027	2.027	0.000	98	1448881	60.0	59.2	
12 Butadiene	54	2.075	2.075	-0.001	98	1298085	60.0	61.1	
13 Bromomethane	94		2.371				ND	ND	U
14 Chloroethane	64	2.478	2.490	-0.012	99	721559	60.0	61.3	
15 Dichlorofluoromethane	67	2.715	2.727	-0.012	98	1609987	60.0	58.7	
16 Trichlorofluoromethane	101	2.750	2.751	-0.001	98	1528094	60.0	61.7	
17 Ethyl ether	59	3.035	3.035	0.000	87	643134	60.0	61.7	
18 Acrolein	56	3.165	3.166	-0.001	99	634943	300.0	311.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.272	3.272	0.000	92	709841	60.0	60.2	
19 1,1-Dichloroethene	96	3.260	3.272	-0.012	98	856509	60.0	60.2	
21 Acetone	58	3.308	3.308	0.000	100	133988	120.0	106.3	
23 Iodomethane	142	3.415	3.415	0.000	97	1093884	60.0	63.5	
24 Carbon disulfide	76	3.474	3.474	0.000	99	2793956	60.0	58.3	
27 Methyl acetate	43	3.592	3.604	-0.012	96	1026956	120.0	118.7	
26 3-Chloro-1-propene	41	3.616	3.616	0.000	87	1223666	60.0	60.0	
28 Methylene Chloride	84	3.735	3.735	0.000	88	919029	60.0	56.8	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	98	739265	600.0	605.7	
30 Acrylonitrile	53	3.948	3.948	0.000	99	3152086	600.0	611.3	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	94	2523225	60.0	64.0	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	97	995135	60.0	58.9	
33 Hexane	57	4.221	4.221	0.000	90	1355106	60.0	64.4	
35 Vinyl acetate	43	4.363	4.363	0.000	97	1561700	60.0	65.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	1597351	60.0	60.5	
40 2-Butanone (MEK)	72	4.861	4.861	0.000	98	205327	120.0	127.2	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	81	1062904	60.0	60.0	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	88	1537904	60.0	62.3	
46 Tetrahydrofuran	42	5.087	5.087	0.000	84	420192	120.0	118.9	
45 Chlorobromomethane	128	5.087	5.087	0.000	93	459200	60.0	55.8	
47 Chloroform	83	5.158	5.158	0.000	94	1598073	60.0	58.9	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	98	1486661	60.0	60.1	
49 Cyclohexane	56	5.371	5.371	0.000	87	1531270	60.0	63.5	
51 Carbon tetrachloride	117	5.442	5.442	0.000	89	1318751	60.0	61.8	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	94	1379872	60.0	63.2	
52 Isobutyl alcohol	41	5.502	5.502	0.000	92	547640	1500.0	1544.3	
54 Benzene	78	5.620	5.620	0.000	96	3941460	60.0	62.2	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	97	1196614	60.0	59.1	
56 n-Heptane	57	5.846	5.846	0.000	88	715802	60.0	60.8	
58 Trichloroethene	130	6.178	6.178	0.000	96	1087064	60.0	61.1	
60 Methylcyclohexane	83	6.391	6.391	0.000	88	1773861	60.0	62.2	
61 1,2-Dichloropropane	63	6.415	6.415	0.000	94	893985	60.0	61.3	
64 1,4-Dioxane	88	6.462	6.462	0.000	89	228108	1200.0	1157.6	
63 Dibromomethane	93	6.486	6.486	0.000	94	528365	60.0	59.0	
65 Dichlorobromomethane	83	6.628	6.628	0.000	99	1214015	60.0	60.1	
67 2-Chloroethyl vinyl ether	63	6.865	6.865	0.000	93	1134684	120.0	127.8	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	95	1550183	60.0	62.7	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	95	1321092	120.0	121.6	
70 Toluene	91	7.316	7.316	0.000	98	4260299	60.0	63.7	
71 trans-1,3-Dichloropropene	75	7.518	7.518	0.000	96	1422751	60.0	66.2	
72 Ethyl methacrylate	69	7.541	7.541	0.000	87	1021981	60.0	64.1	
73 1,1,2-Trichloroethane	97	7.695	7.696	-0.001	90	782747	60.0	64.4	
75 Tetrachloroethene	164	7.790	7.790	0.000	98	864608	60.0	65.4	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	88	1399520	60.0	65.3	
76 2-Hexanone	43	7.885	7.885	0.000	93	887053	120.0	122.4	
78 Chlorodibromomethane	129	8.051	8.051	0.000	90	913646	60.0	64.8	
80 Ethylene Dibromide	107	8.170	8.170	0.000	98	825478	60.0	64.1	
82 Chlorobenzene	112	8.620	8.621	-0.001	96	2736134	60.0	63.1	
84 Ethylbenzene	106	8.703	8.704	-0.001	98	1562427	60.0	64.6	
83 1,1,1,2-Tetrachloroethane	131	8.703	8.704	-0.001	94	971974	60.0	66.6	
85 m-Xylene & p-Xylene	106	8.822	8.834	-0.012	97	1915463	60.0	64.2	
86 o-Xylene	106	9.201	9.202	-0.001	96	1835268	60.0	64.4	
87 Styrene	104	9.213	9.213	0.000	94	3129810	60.0	65.5	
88 Bromoform	173	9.403	9.403	0.000	97	609860	60.0	66.0	
89 Isopropylbenzene	105	9.545	9.546	-0.001	95	4808786	60.0	64.4	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	95	960821	60.0	61.2	
93 Bromobenzene	156	9.866	9.878	-0.012	96	1124463	60.0	62.8	
94 trans-1,4-Dichloro-2-butene	53	9.877	9.878	-0.001	86	325755	60.0	64.5	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	80	322990	60.0	57.9	
96 N-Propylbenzene	120	9.960	9.961	-0.001	99	1384613	60.0	63.4	
97 2-Chlorotoluene	126	10.055	10.055	0.000	97	1141891	60.0	62.9	
99 1,3,5-Trimethylbenzene	105	10.126	10.127	-0.001	95	3882524	60.0	63.3	
100 4-Chlorotoluene	126	10.174	10.174	0.000	97	1183437	60.0	61.8	
102 tert-Butylbenzene	119	10.447	10.447	0.000	92	3481793	60.0	63.1	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	96	3906169	60.0	63.4	
105 sec-Butylbenzene	105	10.660	10.660	0.000	94	5161872	60.0	64.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.791	10.791	-0.001	98	2157328	60.0	62.3	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	4436896	60.0	63.9	
108 1,4-Dichlorobenzene	146	10.897	10.897	0.000	96	2152493	60.0	61.9	
111 n-Butylbenzene	91	11.217	11.218	-0.001	97	3866269	60.0	64.5	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	98	1974289	60.0	61.3	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	87	229360	60.0	62.7	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	94	1210318	60.0	63.1	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	98	528160	60.0	62.1	
117 Naphthalene	128	13.150	13.151	0.000	97	3222971	60.0	60.9	
118 1,2,3-Trichlorobenzene	180	13.399	13.400	-0.001	96	1071754	60.0	61.7	
S 134 Trihalomethanes, Total	1				0		240.0	249.8	
S 158 Total BTEX	1				0		300.0	319.1	
S 131 1,2-Dichloroethene, Total	96				0			118.9	
S 132 1,3-Dichloropropene, Total	75				0			128.9	
S 133 Xylenes, Total	106				0		120.0	128.6	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

vmrgas_00339	Amount Added:	48.00	Units: uL
vmarolistdw_00345	Amount Added:	48.00	Units: uL
vmrprimw_00386	Amount Added:	48.00	Units: uL
vm50ss_00401	Amount Added:	48.00	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

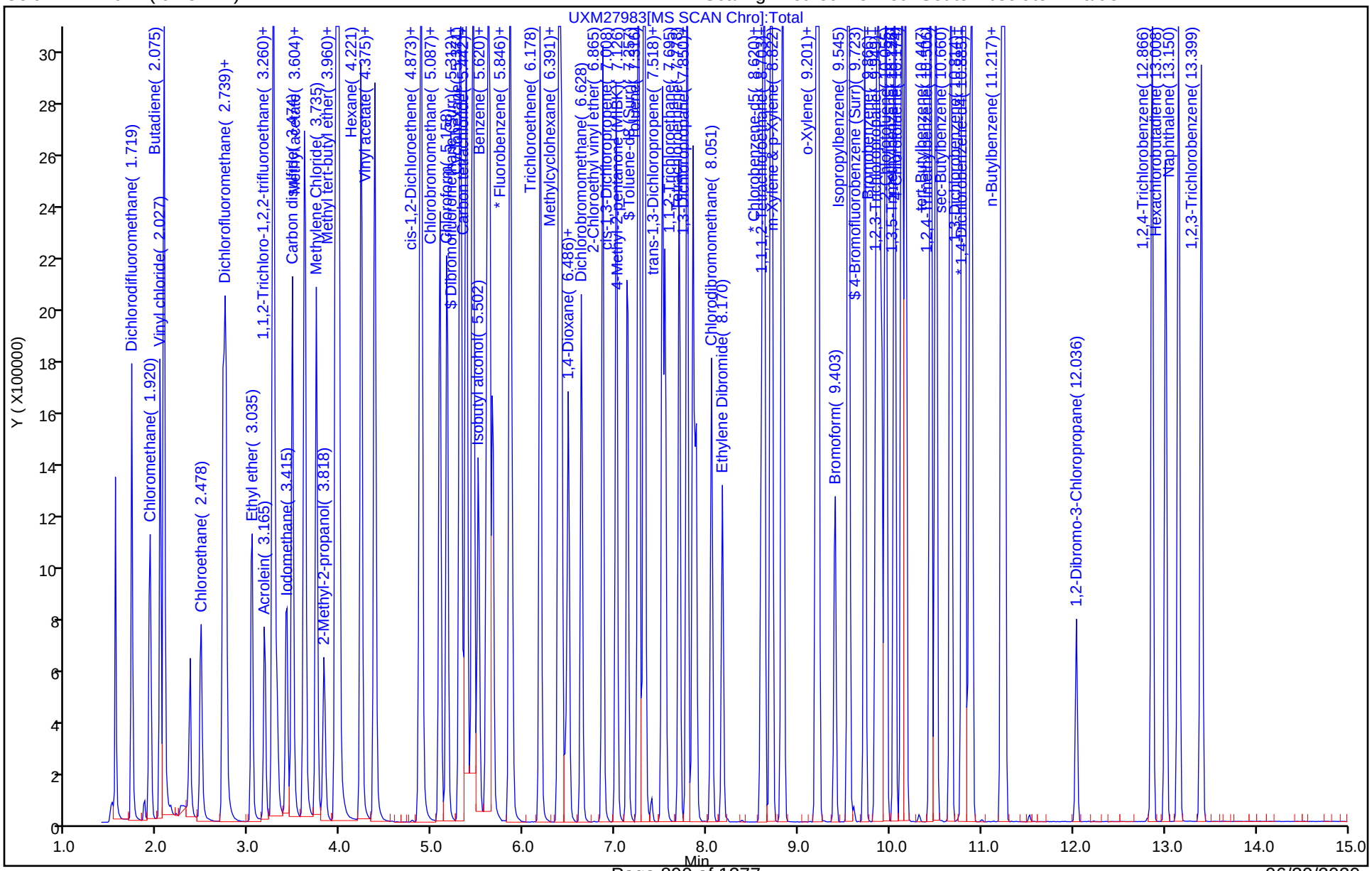
Report Date: 18-May-2020 14:41:54 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27983.D

Injection Date:	18-May-2020 10:10:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L6			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



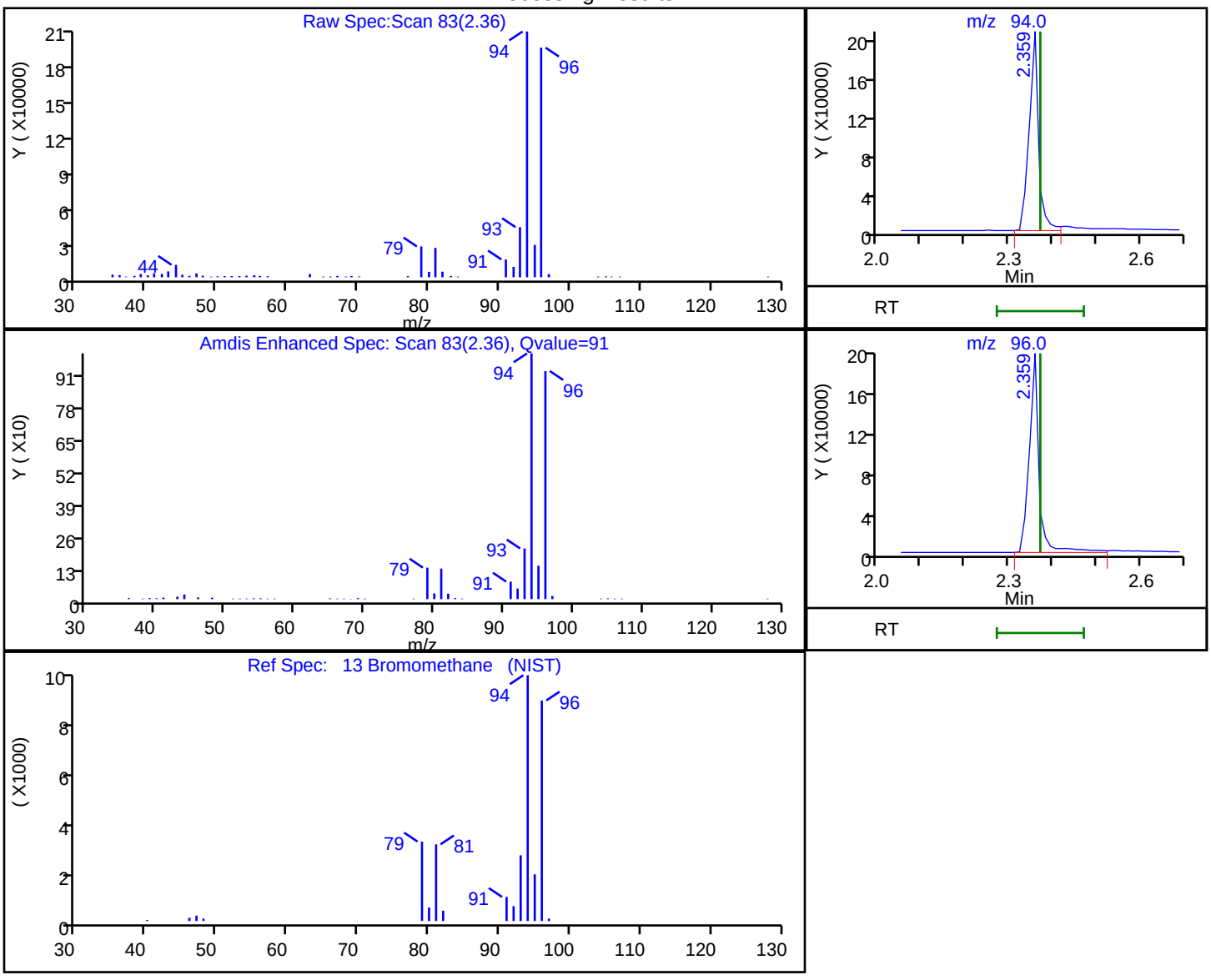
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27983.D				
Injection Date:	18-May-2020 10:10:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L6				
Client ID:					
Operator ID:	001765	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.36	94.00	311318	33.606487
2.36	96.00	302167	

Reviewer: bosworthh, 18-May-2020 12:23:44

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27984.D
Lims ID: std8260 L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 18-May-2020 10:34:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-011
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 18-May-2020 14:42:03 Calib Date: 18-May-2020 14:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27993.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1042

First Level Reviewer: bosworthh Date: 18-May-2020 12:23:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	977204	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	83	797879	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	94	434101	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	603010	40.0	42.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	656015	40.0	42.0	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	2408325	40.0	43.7	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	90	874040	40.0	43.3	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	99	803379	40.0	42.8	
10 Chloromethane	50	1.921	1.921	0.000	99	860798	40.0	40.5	
11 Vinyl chloride	62	2.027	2.027	0.000	98	1004340	40.0	43.5	
12 Butadiene	54	2.075	2.075	0.000	98	885755	40.0	44.2	
13 Bromomethane	94	2.347	2.347	0.000	91	502954	40.0	41.4	
14 Chloroethane	64	2.478	2.478	0.000	99	477574	40.0	43.1	
15 Dichlorofluoromethane	67	2.715	2.715	0.000	97	1098986	40.0	42.5	
16 Trichlorofluoromethane	101	2.751	2.751	0.000	98	1021397	40.0	43.7	
17 Ethyl ether	59	3.035	3.035	0.000	87	436603	40.0	44.4	
18 Acrolein	56	3.166	3.166	0.000	99	425813	200.0	221.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.272	3.272	0.000	91	462567	40.0	41.6	
19 1,1-Dichloroethene	96	3.261	3.261	0.000	98	578690	40.0	43.2	
21 Acetone	58	3.308	3.308	0.000	100	94124	80.0	79.2	
23 Iodomethane	142	3.415	3.415	0.000	97	714664	40.0	44.0	
24 Carbon disulfide	76	3.474	3.474	0.000	99	1903952	40.0	42.2	
27 Methyl acetate	43	3.593	3.593	0.000	96	687826	80.0	84.3	
26 3-Chloro-1-propene	41	3.616	3.616	0.000	86	814769	40.0	42.4	
28 Methylene Chloride	84	3.735	3.735	0.000	88	623880	40.0	40.9	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	99	500636	400.0	435.1	
30 Acrylonitrile	53	3.948	3.948	0.000	99	2097844	400.0	431.6	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	94	1678039	40.0	45.1	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	96	670221	40.0	42.1	
33 Hexane	57	4.221	4.221	0.000	90	841613	40.0	42.4	
35 Vinyl acetate	43	4.363	4.363	0.000	97	1016429	40.0	45.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	1074904	40.0	43.2	
40 2-Butanone (MEK)	72	4.861	4.861	0.000	98	134863	80.0	88.6	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	80	722204	40.0	43.2	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	87	1008144	40.0	43.3	
46 Tetrahydrofuran	42	5.087	5.087	0.000	82	275724	80.0	82.8	
45 Chlorobromomethane	128	5.087	5.087	0.000	92	316974	40.0	40.8	
47 Chloroform	83	5.158	5.158	0.000	94	1081418	40.0	42.3	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	98	995675	40.0	42.7	
49 Cyclohexane	56	5.371	5.371	0.000	87	994654	40.0	43.7	
51 Carbon tetrachloride	117	5.442	5.442	0.000	95	883538	40.0	43.9	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	95	922144	40.0	44.8	
52 Isobutyl alcohol	41	5.502	5.502	0.000	92	371068	1000.0	1110.0	
54 Benzene	78	5.620	5.620	0.000	96	2607947	40.0	43.7	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	97	805704	40.0	42.2	
56 n-Heptane	57	5.846	5.846	0.000	94	464970	40.0	41.2	
58 Trichloroethene	130	6.178	6.178	0.000	97	728457	40.0	43.5	
60 Methylcyclohexane	83	6.391	6.391	0.000	88	1130580	40.0	42.0	
61 1,2-Dichloropropane	63	6.415	6.415	0.000	94	593751	40.0	43.2	
64 1,4-Dioxane	88	6.462	6.462	0.000	89	155348	800.0	836.3	
63 Dibromomethane	93	6.486	6.486	0.000	93	362920	40.0	43.0	
65 Dichlorobromomethane	83	6.628	6.628	0.000	99	817722	40.0	43.0	
67 2-Chloroethyl vinyl ether	63	6.866	6.866	0.000	93	758544	80.0	90.6	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	96	1030548	40.0	44.2	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	96	891382	80.0	87.0	
70 Toluene	91	7.316	7.316	0.000	98	2819001	40.0	43.6	
71 trans-1,3-Dichloropropene	75	7.518	7.518	0.000	96	947406	40.0	45.6	
72 Ethyl methacrylate	69	7.541	7.541	0.000	87	695031	40.0	45.1	
73 1,1,2-Trichloroethane	97	7.696	7.696	0.000	90	524667	40.0	44.6	
75 Tetrachloroethene	164	7.790	7.790	0.000	98	576318	40.0	45.0	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	87	931813	40.0	44.9	
76 2-Hexanone	43	7.885	7.885	0.000	93	615969	80.0	87.8	
78 Chlorodibromomethane	129	8.051	8.051	0.000	90	615203	40.0	45.1	
80 Ethylene Dibromide	107	8.170	8.170	0.000	98	556097	40.0	44.6	
82 Chlorobenzene	112	8.621	8.621	0.000	96	1838077	40.0	43.8	
84 Ethylbenzene	106	8.704	8.704	0.000	98	1038368	40.0	44.4	
83 1,1,1,2-Tetrachloroethane	131	8.704	8.704	0.000	95	644312	40.0	45.6	
85 m-Xylene & p-Xylene	106	8.822	8.822	0.000	97	1281765	40.0	44.4	
86 o-Xylene	106	9.202	9.202	0.000	96	1219662	40.0	44.2	
87 Styrene	104	9.213	9.213	0.000	95	2088257	40.0	45.2	
88 Bromoform	173	9.403	9.403	0.000	97	409166	40.0	45.7	
89 Isopropylbenzene	105	9.546	9.546	0.000	95	3183890	40.0	44.0	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	95	656058	40.0	43.1	
93 Bromobenzene	156	9.866	9.866	0.000	95	759556	40.0	43.7	
94 trans-1,4-Dichloro-2-butene	53	9.878	9.878	0.000	88	216496	40.0	44.2	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	79	223227	40.0	41.3	
96 N-Propylbenzene	120	9.961	9.961	0.000	99	928345	40.0	43.8	
97 2-Chlorotoluene	126	10.055	10.055	0.000	97	760181	40.0	43.1	
99 1,3,5-Trimethylbenzene	105	10.127	10.127	0.000	94	2591098	40.0	43.5	
100 4-Chlorotoluene	126	10.174	10.174	0.000	96	787574	40.0	42.4	
102 tert-Butylbenzene	119	10.447	10.447	0.000	92	2336013	40.0	43.7	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	96	2603241	40.0	43.6	
105 sec-Butylbenzene	105	10.660	10.660	0.000	94	3421656	40.0	43.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.791	10.791	0.000	98	1447316	40.0	43.1	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	2936542	40.0	43.6	
108 1,4-Dichlorobenzene	146	10.897	10.897	0.000	96	1444498	40.0	42.8	
111 n-Butylbenzene	91	11.218	11.218	0.000	97	2583389	40.0	44.5	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	98	1340841	40.0	42.9	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	87	154667	40.0	43.6	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	94	802854	40.0	43.2	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	98	361806	40.0	43.8	
117 Naphthalene	128	13.151	13.151	0.000	97	2172484	40.0	42.3	
118 1,2,3-Trichlorobenzene	180	13.400	13.400	0.000	95	707210	40.0	41.9	
S 134 Trihalomethanes, Total	1				0		160.0	176.1	
S 158 Total BTEX	1				0		200.0	220.2	
S 131 1,2-Dichloroethene, Total	96				0			85.4	
S 132 1,3-Dichloropropene, Total	75				0			89.8	
S 133 Xylenes, Total	106				0		80.0	88.6	

Reagents:

vmrgas_00339	Amount Added:	32.00	Units: uL
vmarolistdw_00345	Amount Added:	32.00	Units: uL
vmrprimw_00386	Amount Added:	32.00	Units: uL
vm50ss_00401	Amount Added:	32.00	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

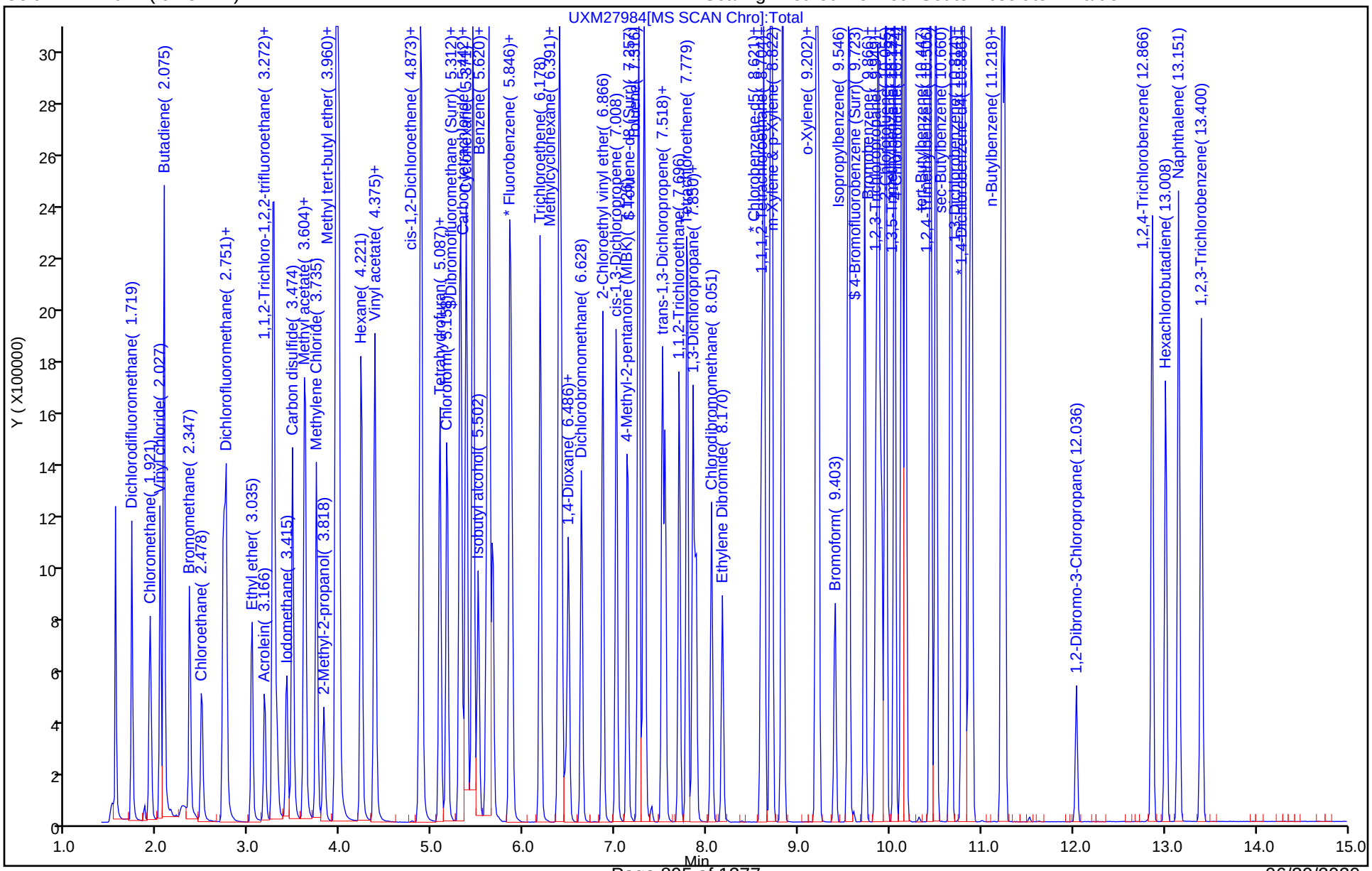
Report Date: 18-May-2020 14:42:05 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27984.D

Injection Date:	18-May-2020 10:34:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L5			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27985.D
Lims ID: ICIS L4
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 18-May-2020 10:59:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-012
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 18-May-2020 14:42:14 Calib Date: 18-May-2020 14:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27993.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1042

First Level Reviewer: bosworthh Date: 18-May-2020 12:26:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	940402	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	84	779729	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.874	10.874	0.000	94	415718	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	93	284465	20.0	20.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	305962	20.0	20.4	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	92	1118576	20.0	20.8	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	91	405920	20.0	20.6	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	99	420230	20.0	23.2	
10 Chloromethane	50	1.920	1.920	0.000	99	411713	20.0	20.1	
11 Vinyl chloride	62	2.027	2.027	0.000	98	476196	20.0	21.5	
12 Butadiene	54	2.075	2.075	0.000	98	407993	20.0	21.2	
13 Bromomethane	94	2.371	2.371	0.000	90	223035	20.0	19.1	
14 Chloroethane	64	2.490	2.490	0.000	99	224743	20.0	21.1	
15 Dichlorofluoromethane	67	2.727	2.727	0.000	97	525044	20.0	21.1	
16 Trichlorofluoromethane	101	2.751	2.751	0.000	98	504256	20.0	22.4	
17 Ethyl ether	59	3.035	3.035	0.000	87	201374	20.0	21.3	
18 Acrolein	56	3.166	3.166	0.000	98	180101	100.0	97.5	
19 1,1-Dichloroethene	96	3.272	3.272	0.000	97	274773	20.0	21.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.272	3.272	0.000	92	242050	20.0	22.6	
21 Acetone	58	3.308	3.308	0.000	100	42484	40.0	37.1	
23 Iodomethane	142	3.415	3.415	0.000	97	333719	20.0	21.4	
24 Carbon disulfide	76	3.474	3.474	0.000	99	887730	20.0	20.4	
27 Methyl acetate	43	3.604	3.604	0.000	96	312857	40.0	39.9	
26 3-Chloro-1-propene	41	3.616	3.616	0.000	86	379431	20.0	20.5	
28 Methylene Chloride	84	3.735	3.735	0.000	88	289171	20.0	19.7	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	98	217318	200.0	196.3	
30 Acrylonitrile	53	3.948	3.948	0.000	99	937151	200.0	200.3	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	94	742436	20.0	20.7	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	96	315592	20.0	20.6	
33 Hexane	57	4.221	4.221	0.000	91	423483	20.0	22.2	
35 Vinyl acetate	43	4.363	4.363	0.000	97	429306	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
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	500218	20.0	20.9	
40 2-Butanone (MEK)	72	4.861	4.861	0.000	98	58448	40.0	39.9	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	80	338400	20.0	21.1	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	89	476654	20.0	21.3	
46 Tetrahydrofuran	42	5.087	5.087	0.000	84	128058	40.0	40.0	
45 Chlorobromomethane	128	5.087	5.087	0.000	91	155674	20.0	20.8	
47 Chloroform	83	5.158	5.158	0.000	93	510975	20.0	20.8	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	98	469738	20.0	20.9	
49 Cyclohexane	56	5.371	5.371	0.000	85	491567	20.0	22.5	
51 Carbon tetrachloride	117	5.442	5.442	0.000	90	415764	20.0	21.5	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	95	431230	20.0	21.8	
52 Isobutyl alcohol	41	5.502	5.502	0.000	92	164209	500.0	510.5	
54 Benzene	78	5.620	5.620	0.000	95	1201253	20.0	20.9	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	97	376690	20.0	20.5	
56 n-Heptane	57	5.846	5.846	0.000	90	244814	20.0	21.4	
58 Trichloroethene	130	6.178	6.178	0.000	97	344595	20.0	21.4	
60 Methylcyclohexane	83	6.391	6.391	0.000	88	562163	20.0	21.7	
61 1,2-Dichloropropane	63	6.415	6.415	0.000	92	274588	20.0	20.8	
64 1,4-Dioxane	88	6.462	6.462	0.000	88	68205	400.0	381.5	
63 Dibromomethane	93	6.486	6.486	0.000	93	167791	20.0	20.6	
65 Dichlorobromomethane	83	6.628	6.628	0.000	99	378429	20.0	20.7	
67 2-Chloroethyl vinyl ether	63	6.865	6.865	0.000	93	330841	40.0	41.1	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	95	470694	20.0	21.0	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	95	389532	40.0	39.5	
70 Toluene	91	7.316	7.316	0.000	99	1308155	20.0	20.7	
71 trans-1,3-Dichloropropene	75	7.518	7.518	0.000	95	428491	20.0	21.1	
72 Ethyl methacrylate	69	7.541	7.541	0.000	87	310679	20.0	20.6	
73 1,1,2-Trichloroethane	97	7.696	7.696	0.000	91	238120	20.0	20.7	
75 Tetrachloroethene	164	7.790	7.790	0.000	98	266869	20.0	21.3	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	87	428084	20.0	21.1	
76 2-Hexanone	43	7.885	7.885	0.000	94	277943	40.0	40.5	
78 Chlorodibromomethane	129	8.051	8.051	0.000	90	277968	20.0	20.8	
80 Ethylene Dibromide	107	8.170	8.170	0.000	99	254321	20.0	20.9	
82 Chlorobenzene	112	8.621	8.621	0.000	96	849656	20.0	20.7	
84 Ethylbenzene	106	8.704	8.704	0.000	98	487819	20.0	21.3	
83 1,1,1,2-Tetrachloroethane	131	8.704	8.704	0.000	95	292777	20.0	21.2	
85 m-Xylene & p-Xylene	106	8.834	8.834	0.000	98	590454	20.0	20.9	
86 o-Xylene	106	9.202	9.202	0.000	96	566672	20.0	21.0	
87 Styrene	104	9.213	9.213	0.000	95	954414	20.0	21.1	
88 Bromoform	173	9.403	9.403	0.000	97	182438	20.0	20.9	
89 Isopropylbenzene	105	9.546	9.546	0.000	95	1491822	20.0	21.1	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	95	298213	20.0	20.4	
93 Bromobenzene	156	9.878	9.878	0.000	93	352879	20.0	21.2	
94 trans-1,4-Dichloro-2-butene	53	9.878	9.878	0.000	89	95037	20.0	20.2	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	78	107679	20.0	20.8	
96 N-Propylbenzene	120	9.961	9.961	0.000	98	433284	20.0	21.4	
97 2-Chlorotoluene	126	10.055	10.055	0.000	97	352752	20.0	20.9	
99 1,3,5-Trimethylbenzene	105	10.127	10.127	0.000	94	1196596	20.0	21.0	
100 4-Chlorotoluene	126	10.174	10.174	0.000	96	367969	20.0	20.7	
102 tert-Butylbenzene	119	10.447	10.447	0.000	92	1079707	20.0	21.1	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	96	1203961	20.0	21.0	
105 sec-Butylbenzene	105	10.660	10.660	0.000	93	1582135	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
106 1,3-Dichlorobenzene	146	10.791	10.791	0.000	98	668787	20.0	20.8	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	1373885	20.0	21.3	
108 1,4-Dichlorobenzene	146	10.897	10.897	0.000	97	670413	20.0	20.8	
111 n-Butylbenzene	91	11.218	11.218	0.000	97	1188929	20.0	21.4	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	98	614140	20.0	20.5	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	88	71022	20.0	20.9	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	94	364647	20.0	20.5	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	98	165229	20.0	20.9	
117 Naphthalene	128	13.151	13.151	0.000	97	986906	20.0	20.1	
118 1,2,3-Trichlorobenzene	180	13.400	13.400	0.000	96	322784	20.0	20.0	
S 134 Trihalomethanes, Total	1				0		80.0	83.1	
S 158 Total BTEX	1				0		100.0	104.9	
S 133 Xylenes, Total	106				0		40.0	41.9	

Reagents:

vmrgas_00339	Amount Added:	16.00	Units: uL
vmarolistdw_00345	Amount Added:	16.00	Units: uL
vmrprimw_00386	Amount Added:	16.00	Units: uL
vm50ss_00401	Amount Added:	16.00	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

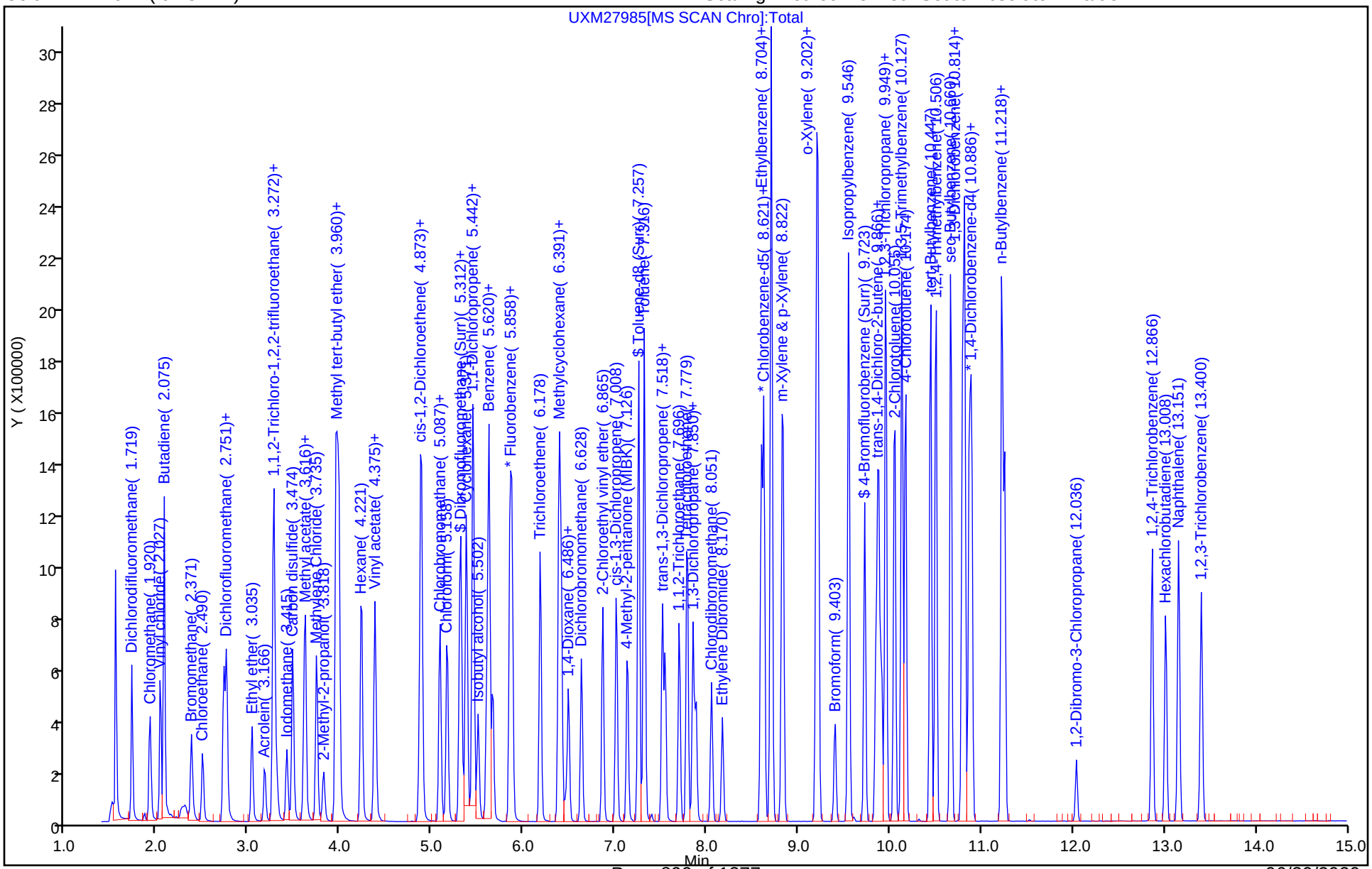
Report Date: 18-May-2020 14:42:16 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27985.D

Injection Date:	18-May-2020 10:59:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	ICIS L4			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27986.D
Lims ID: std8260 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-May-2020 11:24:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-013
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 18-May-2020 14:42:25 Calib Date: 18-May-2020 14:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27993.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1042

First Level Reviewer: bosworthh Date: 18-May-2020 12:28:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	100	961009	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	84	794739	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.874	-0.012	95	421719	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	93	140972	10.0	10.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	-0.001	97	154104	10.0	10.0	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	92	552509	10.0	10.1	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	89	206467	10.0	10.3	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	99	201880	10.0	10.9	
10 Chloromethane	50	1.920	1.920	0.000	99	215176	10.0	10.3	
11 Vinyl chloride	62	2.027	2.027	0.000	98	233249	10.0	10.3	
12 Butadiene	54	2.075	2.075	0.000	97	202039	10.0	10.3	
13 Bromomethane	94	2.383	2.371	0.012	90	114916	10.0	9.63	
14 Chloroethane	64	2.501	2.490	0.011	99	109794	10.0	10.1	
15 Dichlorofluoromethane	67	2.727	2.727	0.000	97	253943	10.0	10.0	
16 Trichlorofluoromethane	101	2.750	2.751	-0.001	98	247301	10.0	10.8	
17 Ethyl ether	59	3.035	3.035	0.000	86	99784	10.0	10.3	
18 Acrolein	56	3.177	3.166	0.011	99	93897	50.0	49.7	
19 1,1-Dichloroethene	96	3.272	3.272	0.000	96	134402	10.0	10.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.272	3.272	0.000	93	116438	10.0	10.7	
21 Acetone	58	3.308	3.308	0.000	99	21894	20.0	18.7	
23 Iodomethane	142	3.415	3.415	0.000	98	144903	10.0	9.08	
24 Carbon disulfide	76	3.474	3.474	0.000	99	443121	10.0	9.98	
27 Methyl acetate	43	3.604	3.604	0.000	96	161797	20.0	20.2	
26 3-Chloro-1-propene	41	3.616	3.616	0.000	84	183250	10.0	9.69	
28 Methylene Chloride	84	3.735	3.735	0.000	86	146672	10.0	9.77	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	98	121041	100.0	107.0	
30 Acrylonitrile	53	3.948	3.948	0.000	98	474326	100.0	99.2	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	94	369044	10.0	10.1	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	95	156233	10.0	9.98	
33 Hexane	57	4.233	4.221	0.012	90	200954	10.0	10.3	
35 Vinyl acetate	43	4.363	4.363	0.000	97	198633	10.0	9.01	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	248107	10.0	10.1	
40 2-Butanone (MEK)	72	4.861	4.861	0.000	98	30096	20.0	20.1	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	80	168828	10.0	10.3	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	87	229537	10.0	10.0	
46 Tetrahydrofuran	42	5.087	5.087	0.000	83	67136	20.0	20.5	
45 Chlorobromomethane	128	5.087	5.087	0.000	91	78481	10.0	10.3	
47 Chloroform	83	5.158	5.158	0.000	94	256130	10.0	10.2	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	98	232307	10.0	10.1	
49 Cyclohexane	56	5.371	5.371	0.000	86	237147	10.0	10.6	
51 Carbon tetrachloride	117	5.442	5.442	0.000	91	200039	10.0	10.1	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	95	208238	10.0	10.3	
52 Isobutyl alcohol	41	5.502	5.502	0.000	93	85586	250.0	260.3	
54 Benzene	78	5.620	5.620	0.000	97	580846	10.0	9.89	
53 1,2-Dichloroethane	62	5.668	5.656	0.012	98	182966	10.0	9.76	
56 n-Heptane	57	5.846	5.846	0.000	85	131103	10.0	10.0	
58 Trichloroethene	130	6.178	6.178	0.000	96	167067	10.0	10.1	
60 Methylcyclohexane	83	6.391	6.391	0.000	88	269469	10.0	10.2	
61 1,2-Dichloropropane	63	6.415	6.415	0.000	94	132429	10.0	9.80	
64 1,4-Dioxane	88	6.462	6.462	0.000	88	36374	200.0	199.1	
63 Dibromomethane	93	6.486	6.486	0.000	93	80968	10.0	9.75	
65 Dichlorobromomethane	83	6.628	6.628	0.000	99	186019	10.0	9.94	
67 2-Chloroethyl vinyl ether	63	6.865	6.865	0.000	92	162569	20.0	19.7	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	96	228920	10.0	9.98	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	96	201734	20.0	20.0	
70 Toluene	91	7.316	7.316	0.000	99	641681	10.0	9.95	
71 trans-1,3-Dichloropropene	75	7.518	7.518	0.000	95	207516	10.0	10.0	
72 Ethyl methacrylate	69	7.541	7.541	0.000	86	151121	10.0	9.84	
73 1,1,2-Trichloroethane	97	7.695	7.696	-0.001	90	116305	10.0	9.93	
75 Tetrachloroethene	164	7.790	7.790	0.000	98	131382	10.0	10.3	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	87	210225	10.0	10.2	
76 2-Hexanone	43	7.885	7.885	0.000	94	144758	20.0	20.7	
78 Chlorodibromomethane	129	8.051	8.051	0.000	90	133886	10.0	9.85	
80 Ethylene Dibromide	107	8.170	8.170	0.000	99	124538	10.0	10.0	
82 Chlorobenzene	112	8.620	8.621	-0.001	96	421952	10.0	10.1	
84 Ethylbenzene	106	8.703	8.704	-0.001	98	236876	10.0	10.2	
83 1,1,1,2-Tetrachloroethane	131	8.703	8.704	-0.001	95	139890	10.0	9.94	
85 m-Xylene & p-Xylene	106	8.822	8.834	-0.012	97	294747	10.0	10.3	
86 o-Xylene	106	9.201	9.202	-0.001	95	283077	10.0	10.3	
87 Styrene	104	9.213	9.213	0.000	94	462947	10.0	10.0	
88 Bromoform	173	9.403	9.403	0.000	96	88887	10.0	9.97	
89 Isopropylbenzene	105	9.545	9.546	-0.001	95	737005	10.0	10.2	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	95	150050	10.0	10.1	
93 Bromobenzene	156	9.866	9.878	-0.012	95	175795	10.0	10.4	
94 trans-1,4-Dichloro-2-butene	53	9.877	9.878	-0.001	87	46132	10.0	9.69	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	79	53122	10.0	10.1	
96 N-Propylbenzene	120	9.960	9.961	-0.001	98	209400	10.0	10.2	
97 2-Chlorotoluene	126	10.055	10.055	0.000	98	175443	10.0	10.2	
99 1,3,5-Trimethylbenzene	105	10.126	10.127	-0.001	95	584379	10.0	10.1	
100 4-Chlorotoluene	126	10.174	10.174	0.000	96	183214	10.0	10.2	
102 tert-Butylbenzene	119	10.447	10.447	0.000	91	524316	10.0	10.1	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	96	590229	10.0	10.2	
105 sec-Butylbenzene	105	10.660	10.660	0.000	94	772805	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.791	10.791	0.000	98	335492	10.0	10.3	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	665728	10.0	10.2	
108 1,4-Dichlorobenzene	146	10.897	10.897	0.000	96	332695	10.0	10.2	
111 n-Butylbenzene	91	11.217	11.218	-0.001	97	576522	10.0	10.2	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	98	305937	10.0	10.1	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	88	35308	10.0	10.2	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	94	177699	10.0	9.83	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	97	82153	10.0	10.2	
117 Naphthalene	128	13.150	13.151	0.000	96	502370	10.0	10.1	
118 1,2,3-Trichlorobenzene	180	13.399	13.400	-0.001	96	167624	10.0	10.2	
S 134 Trihalomethanes, Total	1				0		40.0	39.9	
S 158 Total BTEX	1				0		50.0	50.6	
S 131 1,2-Dichloroethene, Total	96				0			20.3	
S 132 1,3-Dichloropropene, Total	75				0			20.0	
S 133 Xylenes, Total	106				0		20.0	20.5	

Reagents:

vmrgas_00339	Amount Added:	8.00	Units: uL	
vmarolistdw_00345	Amount Added:	8.00	Units: uL	
vmrprimw_00386	Amount Added:	8.00	Units: uL	
vm50ss_00401	Amount Added:	8.00	Units: uL	
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	

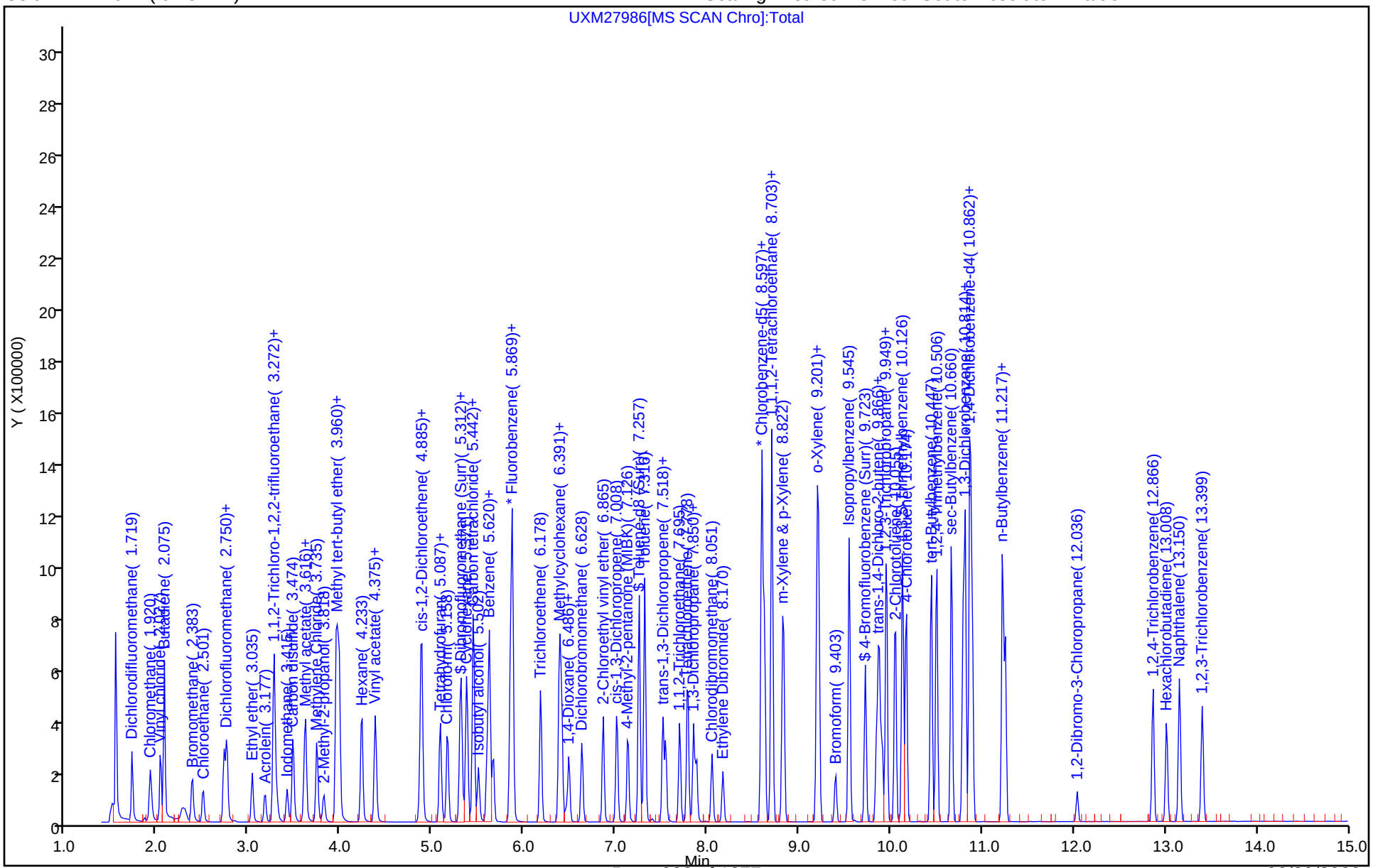
Report Date: 18-May-2020 14:42:26 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27986.D

Injection Date:	18-May-2020 11:24:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L3			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27987.D
Lims ID: std8260 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-May-2020 11:48:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-014
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 18-May-2020 14:42:34 Calib Date: 18-May-2020 14:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27993.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1042

First Level Reviewer: bosworthh Date: 18-May-2020 12:39:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	100	848198	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	84	741431	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.874	10.874	0.000	94	399448	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	92	12605	1.00	1.02	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.597	-0.001	96	13862	1.00	1.02	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	92	44640	1.00	0.8727	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	91	18085	1.00	0.9635	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	98	15558	1.00	0.9538	
10 Chloromethane	50	1.920	1.920	0.000	99	20474	1.00	1.11	
11 Vinyl chloride	62	2.027	2.027	0.000	98	19393	1.00	0.9688	
12 Butadiene	54	2.074	2.075	-0.001	96	16402	1.00	0.9429	
13 Bromomethane	94	2.383	2.371	0.012	89	11114	1.00	1.05	
14 Chloroethane	64	2.501	2.490	0.011	97	9271	1.00	0.9629	
15 Dichlorofluoromethane	67	2.727	2.727	0.000	96	22418	1.00	1.00	
16 Trichlorofluoromethane	101	2.762	2.751	0.011	96	18420	1.00	0.9086	
17 Ethyl ether	59	3.035	3.035	0.000	87	7898	1.00	0.9261	
18 Acrolein	56	3.177	3.166	0.011	96	7925	5.00	4.76	
19 1,1-Dichloroethene	96	3.272	3.272	0.000	98	11311	1.00	0.9719	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.284	3.272	0.012	90	8162	1.00	0.8462	
21 Acetone	58	3.308	3.308	0.000	100	2763	2.00	2.68	
23 Iodomethane	142	3.415	3.415	-0.001	96	13336	1.00	0.9463	
24 Carbon disulfide	76	3.474	3.474	0.000	99	39549	1.00	1.01	
27 Methyl acetate	43	3.604	3.604	0.000	95	14187	2.00	2.00	
26 3-Chloro-1-propene	41	3.616	3.616	0.000	82	17166	1.00	1.03	
28 Methylene Chloride	84	3.747	3.735	0.012	83	14251	1.00	1.08	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	94	9866	10.0	9.88	
30 Acrylonitrile	53	3.948	3.948	0.000	99	41489	10.0	9.83	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	94	28540	1.00	0.8841	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	96	13527	1.00	0.9792	
33 Hexane	57	4.233	4.221	0.012	90	12496	1.00	0.7255	
35 Vinyl acetate	43	4.375	4.363	0.012	71	15059	1.00	0.7742	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	21465	1.00	0.99	
40 2-Butanone (MEK)	72	4.873	4.861	0.012	89	2007	2.00	1.52	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	80	15022	1.00	1.04	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	87	18693	1.00	0.9256	
46 Tetrahydrofuran	42	5.087	5.087	0.000	73	5604	2.00	1.94	
45 Chlorobromomethane	128	5.087	5.087	0.000	82	7715	1.00	1.15	
47 Chloroform	83	5.170	5.158	0.012	94	22443	1.00	1.01	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	97	19858	1.00	0.9814	
49 Cyclohexane	56	5.371	5.371	0.000	83	17579	1.00	0.8903	
51 Carbon tetrachloride	117	5.442	5.442	0.000	86	15757	1.00	0.9025	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	95	16020	1.00	0.8974	
52 Isobutyl alcohol	41	5.502	5.502	0.000	91	6089	25.0	21.0	
54 Benzene	78	5.620	5.620	0.000	96	48007	1.00	0.9262	
53 1,2-Dichloroethane	62	5.668	5.656	0.012	97	16443	1.00	0.99	
56 n-Heptane	57	5.869	5.846	0.023	85	31464	1.00	0.9261	
58 Trichloroethene	130	6.178	6.178	0.000	93	13694	1.00	0.9412	
60 Methylcyclohexane	83	6.391	6.391	0.000	87	19026	1.00	0.8149	
61 1,2-Dichloropropane	63	6.415	6.415	0.000	93	11930	1.00	1.00	
64 1,4-Dioxane	88	6.462	6.462	0.000	80	3440	20.0	21.3	
63 Dibromomethane	93	6.486	6.486	0.000	91	7329	1.00	1.00	
65 Dichlorobromomethane	83	6.628	6.628	0.000	98	16724	1.00	1.01	
67 2-Chloroethyl vinyl ether	63	6.865	6.865	0.000	92	12527	2.00	1.72	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	95	17643	1.00	0.8717	
69 4-Methyl-2-pentanone (MIBK)	43	7.138	7.126	0.012	94	17101	2.00	1.92	
70 Toluene	91	7.316	7.316	0.000	99	54963	1.00	0.9138	
71 trans-1,3-Dichloropropene	75	7.518	7.518	0.000	92	16828	1.00	0.8707	
72 Ethyl methacrylate	69	7.541	7.541	0.000	86	10511	1.00	0.7333	
73 1,1,2-Trichloroethane	97	7.695	7.696	-0.001	89	9350	1.00	0.8561	
75 Tetrachloroethene	164	7.790	7.790	0.000	90	10396	1.00	0.8743	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	89	16985	1.00	0.8811	
76 2-Hexanone	43	7.885	7.885	0.000	93	12744	2.00	1.95	
78 Chlorodibromomethane	129	8.051	8.051	0.000	88	11370	1.00	0.8963	
80 Ethylene Dibromide	107	8.170	8.170	0.000	94	10593	1.00	0.9152	
82 Chlorobenzene	112	8.620	8.621	-0.001	96	37487	1.00	0.9609	
84 Ethylbenzene	106	8.703	8.704	-0.001	99	18931	1.00	0.8710	
83 1,1,1,2-Tetrachloroethane	131	8.703	8.704	-0.001	93	11216	1.00	0.8545	
85 m-Xylene & p-Xylene	106	8.822	8.834	-0.012	96	24331	1.00	0.9070	
86 o-Xylene	106	9.201	9.202	-0.001	95	23684	1.00	0.9236	
87 Styrene	104	9.213	9.213	0.000	93	36356	1.00	0.8459	
88 Bromoform	173	9.403	9.403	0.000	91	7023	1.00	0.8447	
89 Isopropylbenzene	105	9.545	9.546	-0.001	95	60059	1.00	0.8938	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	94	13344	1.00	0.9522	
93 Bromobenzene	156	9.866	9.878	-0.012	94	14109	1.00	0.8827	
94 trans-1,4-Dichloro-2-butene	53	9.877	9.878	-0.001	75	4561	1.00	1.01	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	81	5084	1.00	1.02	
96 N-Propylbenzene	120	9.960	9.961	-0.001	98	17300	1.00	0.8874	
97 2-Chlorotoluene	126	10.055	10.055	0.000	96	15107	1.00	0.9316	
99 1,3,5-Trimethylbenzene	105	10.126	10.127	-0.001	93	52213	1.00	0.9531	
100 4-Chlorotoluene	126	10.174	10.174	0.000	96	16552	1.00	0.9687	
102 tert-Butylbenzene	119	10.447	10.447	0.000	91	46762	1.00	0.9497	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	96	50048	1.00	0.9101	
105 sec-Butylbenzene	105	10.660	10.660	0.000	93	65238	1.00	0.9092	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.791	10.791	-0.001	97	28811	1.00	0.9326	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	56892	1.00	0.9179	
108 1,4-Dichlorobenzene	146	10.897	10.897	0.000	95	29173	1.00	0.9401	
111 n-Butylbenzene	91	11.217	11.218	-0.001	97	47478	1.00	0.8878	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	97	29150	1.00	1.01	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	86	3395	1.00	1.04	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	93	16631	1.00	0.9714	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	93	6955	1.00	0.9157	
117 Naphthalene	128	13.150	13.151	0.000	97	47780	1.00	1.01	
118 1,2,3-Trichlorobenzene	180	13.399	13.400	-0.001	95	15800	1.00	1.02	
S 134 Trihalomethanes, Total	1				0		4.00	3.76	
S 158 Total BTEX	1				0		5.00	4.54	
S 131 1,2-Dichloroethene, Total	96				0			2.02	
S 132 1,3-Dichloropropene, Total	75				0			1.74	
S 133 Xylenes, Total	106				0		2.00	1.83	

Reagents:

vmrgas_00339	Amount Added:	0.80	Units: uL
vmarolistdw_00345	Amount Added:	0.80	Units: uL
vmrprimw_00386	Amount Added:	0.80	Units: uL
vm50ss_00401	Amount Added:	0.80	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

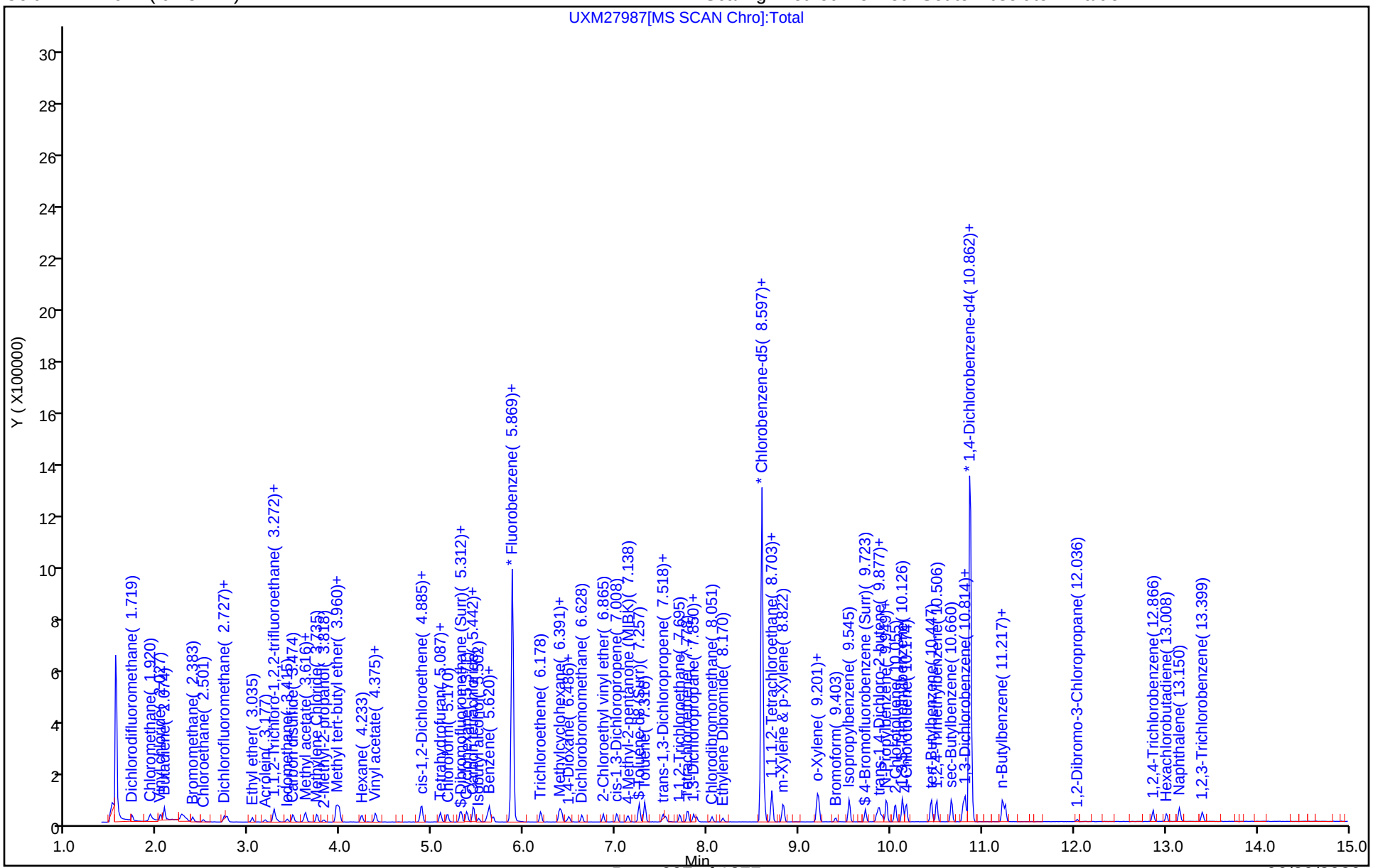
Report Date: 18-May-2020 14:42:35 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27987.D

Injection Date:	18-May-2020 11:48:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L2			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27988.D
Lims ID: std8260 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-May-2020 12:13:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-015
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 18-May-2020 14:42:40 Calib Date: 18-May-2020 14:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27993.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1042

First Level Reviewer: bosworthh Date: 18-May-2020 12:46:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	858010	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	84	763558	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.874	-0.012	95	405469	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	90	5891	0.5000	0.4714	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	96	6642	0.5000	0.4843	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	92	24017	0.5000	0.4559	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	87	8664	0.5000	0.4482	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	96	6563	0.5000	0.3978	
10 Chloromethane	50	1.920	1.920	0.000	99	10272	0.5000	0.5498	
11 Vinyl chloride	62	2.027	2.027	0.000	96	8983	0.5000	0.4436	
12 Butadiene	54	2.075	2.075	0.000	95	7656	0.5000	0.4351	
13 Bromomethane	94	2.383	2.371	0.012	86	5289	0.5000	0.4962	
14 Chloroethane	64	2.502	2.490	0.012	94	4100	0.5000	0.4210	
15 Dichlorofluoromethane	67	2.727	2.727	0.000	94	10581	0.5000	0.4662	
16 Trichlorofluoromethane	101	2.762	2.751	0.011	98	8232	0.5000	0.4014	
17 Ethyl ether	59	3.035	3.035	0.000	85	3506	0.5000	0.4064	
18 Acrolein	56	3.177	3.166	0.011	92	3854	2.50	2.29	
19 1,1-Dichloroethene	96	3.272	3.272	0.000	96	5193	0.5000	0.4411	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	ND	U
21 Acetone	58		3.308				ND	ND	U
23 Iodomethane	142	3.415	3.415	0.000	93	6574	0.5000	0.4612	
24 Carbon disulfide	76	3.474	3.474	0.000	100	19691	0.5000	0.4966	
27 Methyl acetate	43	3.604	3.604	0.000	93	6834	1.00	0.9541	
26 3-Chloro-1-propene	41	3.616	3.616	0.000	89	7883	0.5000	0.4671	
28 Methylene Chloride	84	3.735	3.735	0.000	79	7111	0.5000	0.5306	
29 2-Methyl-2-propanol	59	3.806	3.818	-0.012	96	4346	5.00	4.30	
30 Acrylonitrile	53	3.948	3.948	0.000	98	19213	5.00	4.50	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	96	13159	0.5000	0.4030	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	96	6800	0.5000	0.4866	
33 Hexane	57		4.221				ND	ND	U
35 Vinyl acetate	43		4.363				ND	ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.375	4.375	0.000	93	9351	0.5000	0.4282	
40 2-Butanone (MEK)	72		4.861				ND	ND	U
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	83	5998	0.5000	0.4091	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	76	8793	0.5000	0.4304	
46 Tetrahydrofuran	42	5.087	5.087	0.000	65	2855	1.00	0.9763	
45 Chlorobromomethane	128	5.087	5.087	0.000	84	3133	0.5000	0.4597	
47 Chloroform	83	5.158	5.158	0.000	92	10337	0.5000	0.4604	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	97	9235	0.5000	0.4512	
49 Cyclohexane	56	5.371	5.371	0.000	83	7523	0.5000	0.3766	
51 Carbon tetrachloride	117	5.442	5.442	0.000	93	7712	0.5000	0.4367	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	92	6937	0.5000	0.3842	
52 Isobutyl alcohol	41	5.502	5.502	0.000	81	3366	12.5	11.5	
54 Benzene	78	5.620	5.620	0.000	96	23030	0.5000	0.4392	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	94	8247	0.5000	0.4925	
56 n-Heptane	57		5.846				ND	ND	U
58 Trichloroethene	130	6.190	6.178	0.012	94	6313	0.5000	0.4289	
60 Methylcyclohexane	83		6.391				ND	ND	U
61 1,2-Dichloropropane	63	6.415	6.415	0.000	90	5197	0.5000	0.4306	
64 1,4-Dioxane	88		6.462				ND	ND	U
63 Dibromomethane	93	6.486	6.486	0.000	90	3511	0.5000	0.4735	
65 Dichlorobromomethane	83	6.628	6.628	0.000	91	7362	0.5000	0.4407	
67 2-Chloroethyl vinyl ether	63	6.854	6.865	-0.011	91	6188	1.00	0.8418	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	96	9062	0.5000	0.4426	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	91	8355	1.00	0.9288	
70 Toluene	91	7.316	7.316	0.000	99	26996	0.5000	0.4358	
71 trans-1,3-Dichloropropene	75	7.518	7.518	0.000	93	7372	0.5000	0.3704	
72 Ethyl methacrylate	69		7.541				ND	ND	U
73 1,1,2-Trichloroethane	97	7.696	7.696	0.000	82	4893	0.5000	0.4350	
75 Tetrachloroethene	164	7.779	7.790	-0.011	96	4676	0.5000	0.3819	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	89	7744	0.5000	0.3901	
76 2-Hexanone	43	7.885	7.885	0.000	89	5621	1.00	0.8372	
78 Chlorodibromomethane	129	8.051	8.051	0.000	83	5316	0.5000	0.4069	
80 Ethylene Dibromide	107	8.170	8.170	0.000	97	4823	0.5000	0.4046	
82 Chlorobenzene	112	8.621	8.621	0.000	96	16566	0.5000	0.4123	
84 Ethylbenzene	106	8.704	8.704	0.000	97	9031	0.5000	0.4035	
83 1,1,1,2-Tetrachloroethane	131	8.704	8.704	0.000	41	5121	0.5000	0.3789	
85 m-Xylene & p-Xylene	106	8.822	8.834	-0.012	96	11092	0.5000	0.4015	
86 o-Xylene	106	9.202	9.202	0.000	95	10233	0.5000	0.3875	
87 Styrene	104	9.213	9.213	0.000	93	17606	0.5000	0.3978	
88 Bromoform	173	9.403	9.403	0.000	90	3363	0.5000	0.3928	
89 Isopropylbenzene	105	9.545	9.546	-0.001	96	28007	0.5000	0.4047	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	88	6455	0.5000	0.4538	
93 Bromobenzene	156	9.866	9.878	-0.012	89	6906	0.5000	0.4257	
94 trans-1,4-Dichloro-2-butene	53	9.889	9.878	0.011	40	1791	0.5000	0.3912	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	79	2448	0.5000	0.4843	
96 N-Propylbenzene	120	9.961	9.961	0.000	97	8398	0.5000	0.4244	
97 2-Chlorotoluene	126	10.055	10.055	0.000	97	7197	0.5000	0.4372	
99 1,3,5-Trimethylbenzene	105	10.127	10.127	0.000	93	22656	0.5000	0.4074	
100 4-Chlorotoluene	126	10.174	10.174	0.000	95	7633	0.5000	0.4401	
102 tert-Butylbenzene	119	10.447	10.447	0.000	92	20508	0.5000	0.4103	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	97	23399	0.5000	0.4192	
105 sec-Butylbenzene	105	10.660	10.660	0.000	93	29070	0.5000	0.3991	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.791	10.791	0.000	96	13770	0.5000	0.4391	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	96	25401	0.5000	0.4037	
108 1,4-Dichlorobenzene	146	10.897	10.897	0.000	89	14230	0.5000	0.4518	
111 n-Butylbenzene	91	11.218	11.218	0.000	97	21468	0.5000	0.3955	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	95	12538	0.5000	0.4296	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	74	1157	0.5000	0.3492	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	89	7658	0.5000	0.4407	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	85	3390	0.5000	0.4397	
117 Naphthalene	128	13.150	13.151	0.000	95	22277	0.5000	0.4643	
118 1,2,3-Trichlorobenzene	180	13.400	13.400	0.000	94	7113	0.5000	0.4516	
S 134 Trihalomethanes, Total	1				0		2.00	1.70	
S 158 Total BTEX	1				0		2.50	2.07	
S 131 1,2-Dichloroethene, Total	96				0			0.8957	
S 132 1,3-Dichloropropene, Total	75				0			0.8130	
S 133 Xylenes, Total	106				0		1.00	0.7890	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

vmrgas_00339	Amount Added:	0.40	Units: uL
vmarolistdw_00345	Amount Added:	0.40	Units: uL
vmrprimw_00386	Amount Added:	0.40	Units: uL
vm50ss_00401	Amount Added:	0.40	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

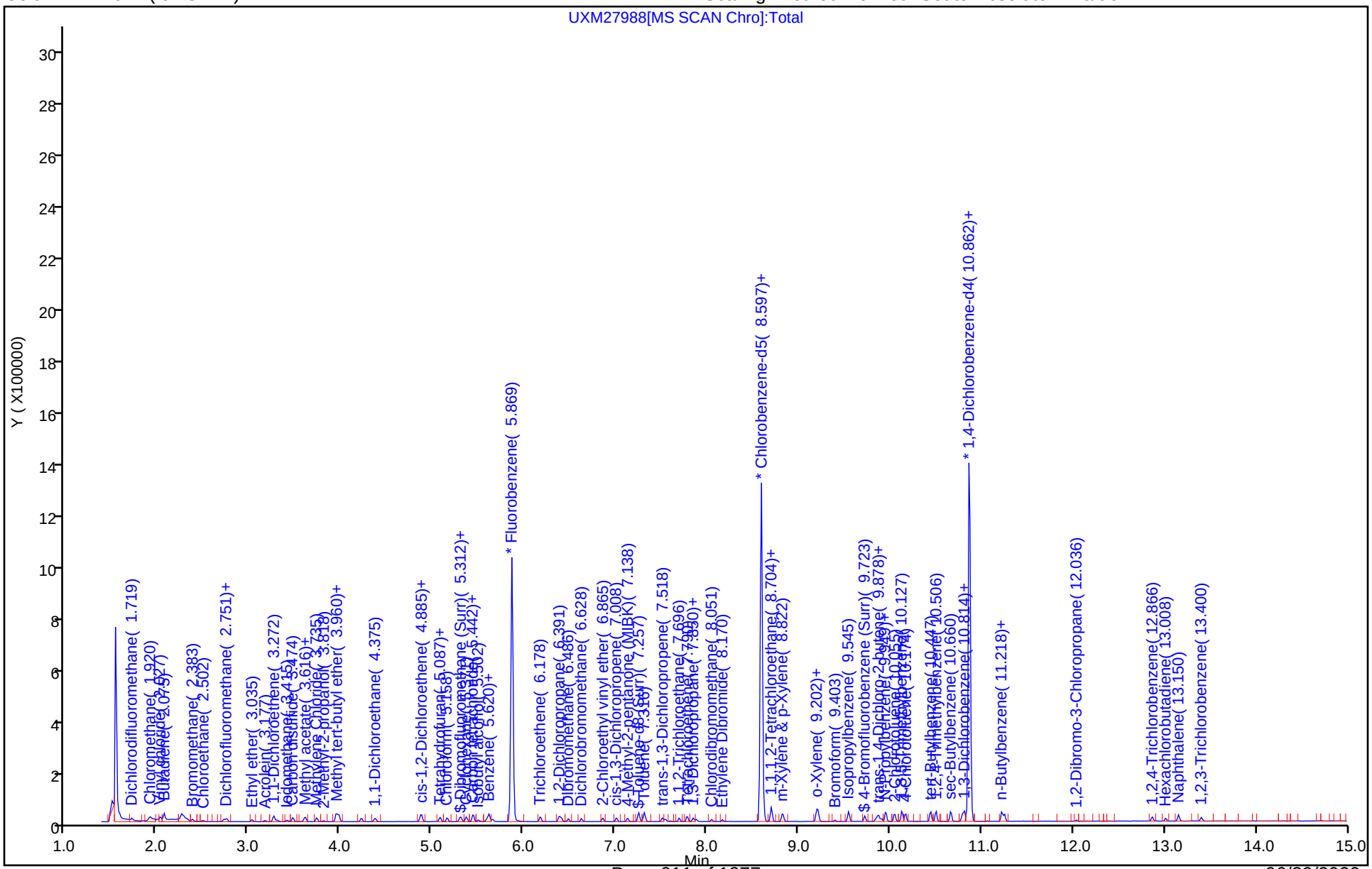
Report Date: 18-May-2020 14:42:41 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27988.D

Injection Date:	18-May-2020 12:13:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L1			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton

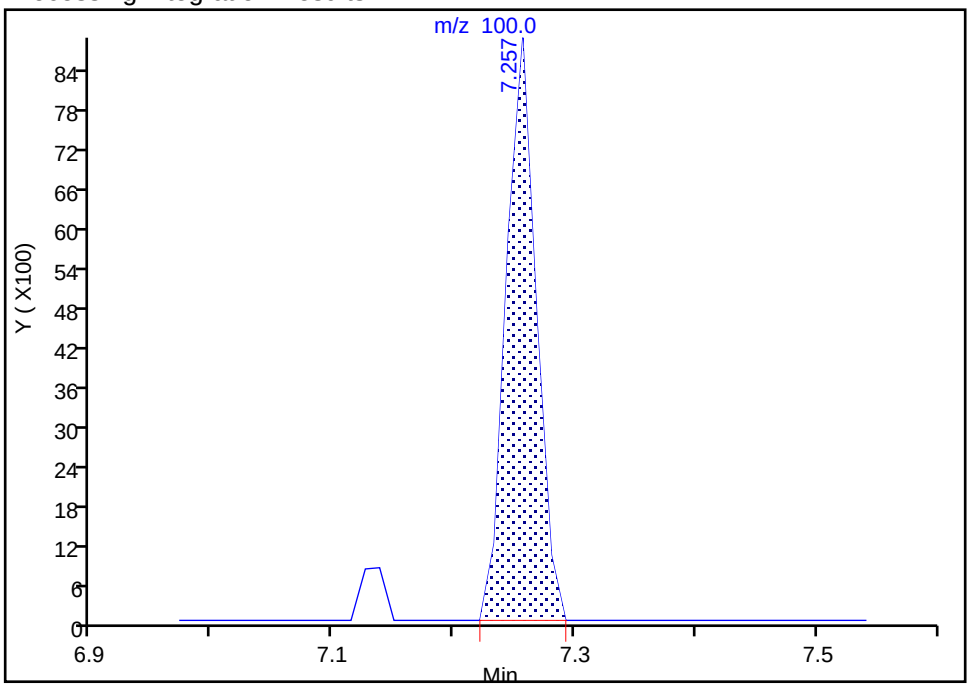
Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27988.D
Injection Date: 18-May-2020 12:13:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

$ 6 Toluene-d8 (Surr), CAS: 2037-26-5

Signal: 2

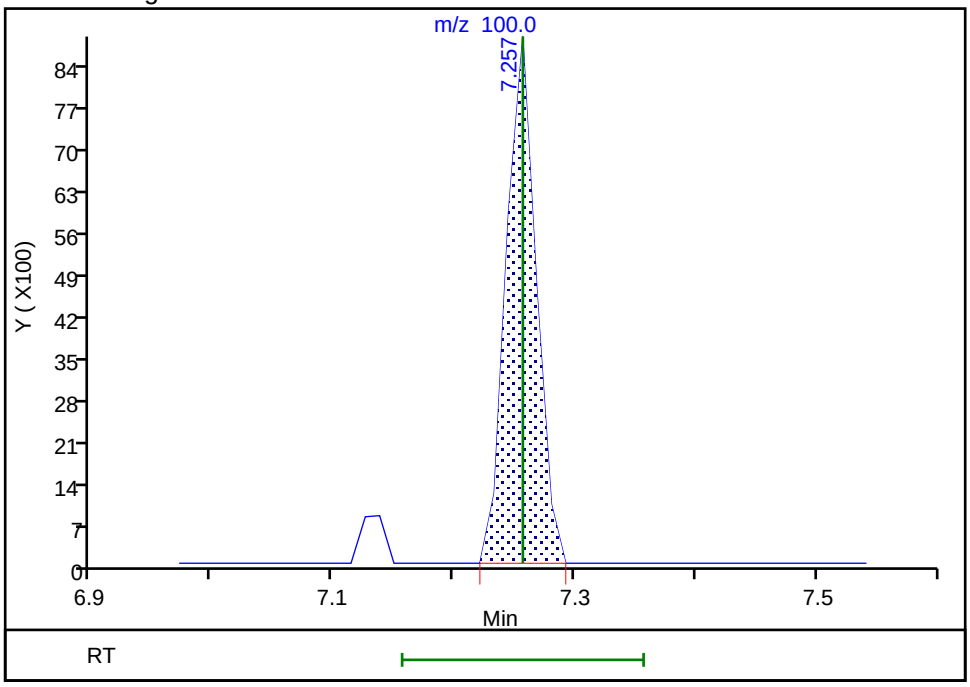
Processing Integration Results

RT: 7.26
Area: 15300
Amount: 0.455894
Amount Units: ug/l



Manual Integration Results

RT: 7.26
Area: 15300
Amount: 0.455894
Amount Units: ug/l



Reviewer: bosworthh, 18-May-2020 12:40:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

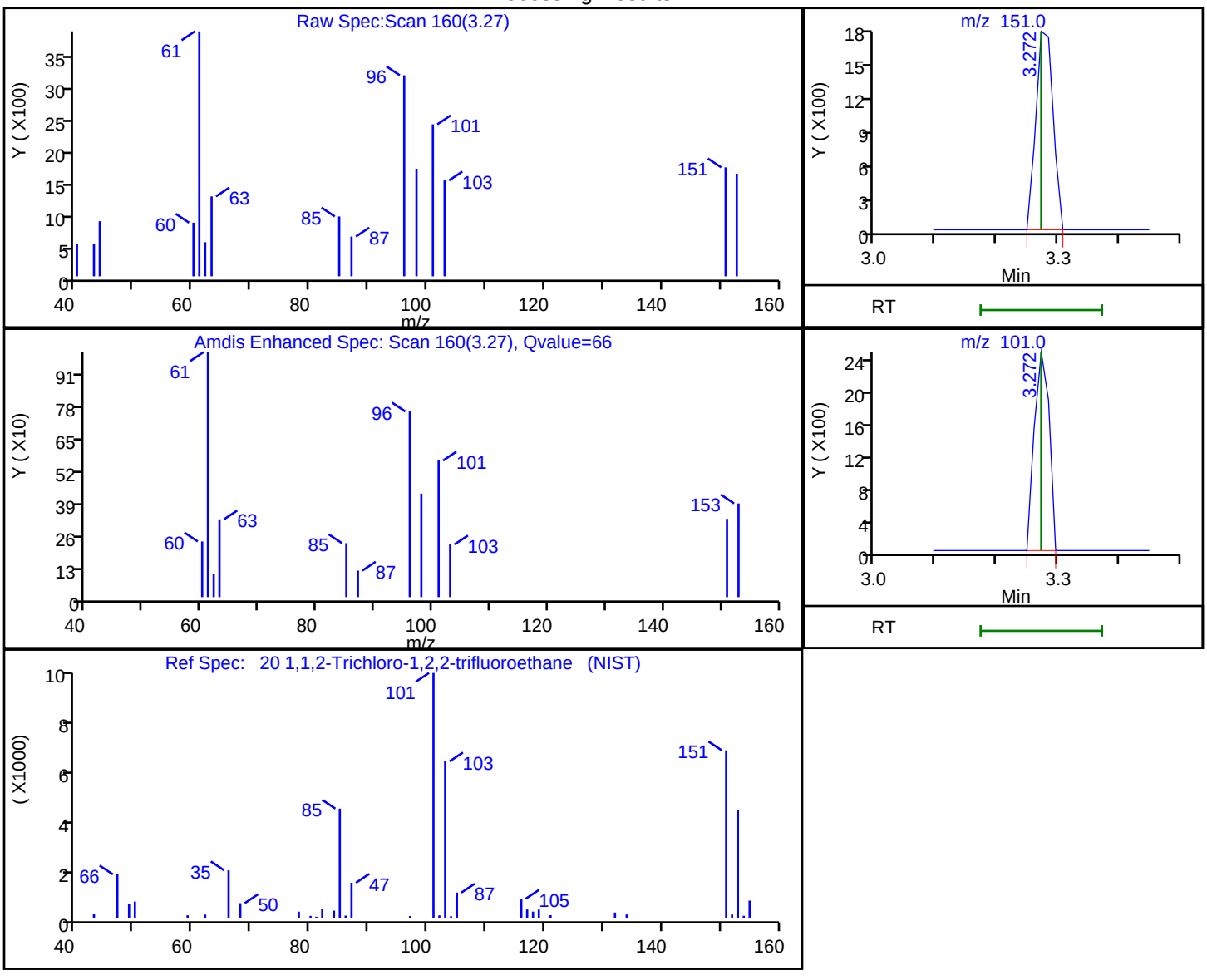
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27988.D				
Injection Date:	18-May-2020 12:13:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Processing Results



RT	Mass	Response	Amount
3.27	151.00	3410	0.429794
3.27	101.00	4078	

Reviewer: bosworthh, 18-May-2020 12:43:59

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

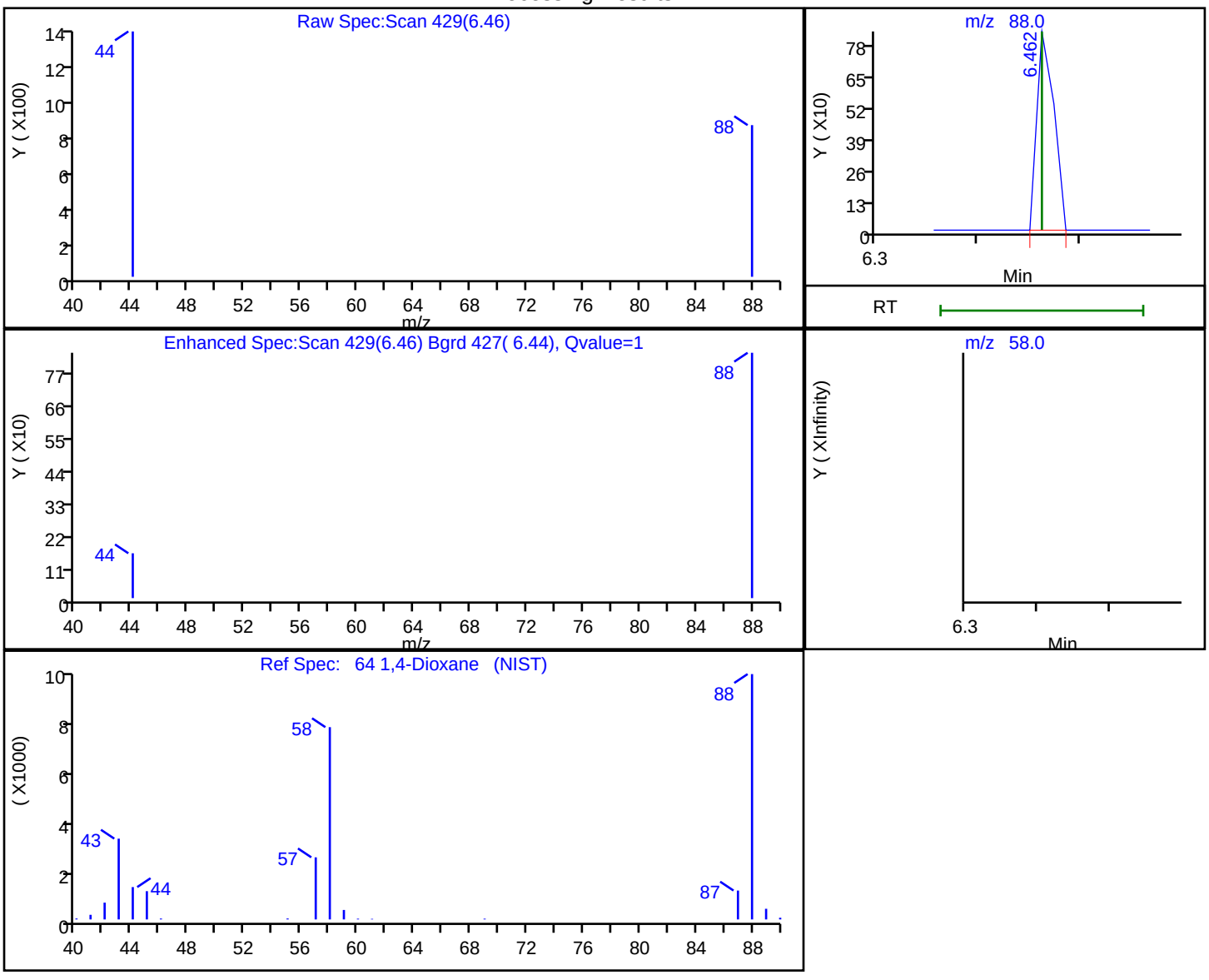
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27988.D
Injection Date: 18-May-2020 12:13:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

64 1,4-Dioxane, CAS: 123-91-1

Processing Results



RT	Mass	Response	Amount
6.46	88.00	968	6.300884
6.46	58.00	0	

Reviewer: bosworthh, 18-May-2020 12:42:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

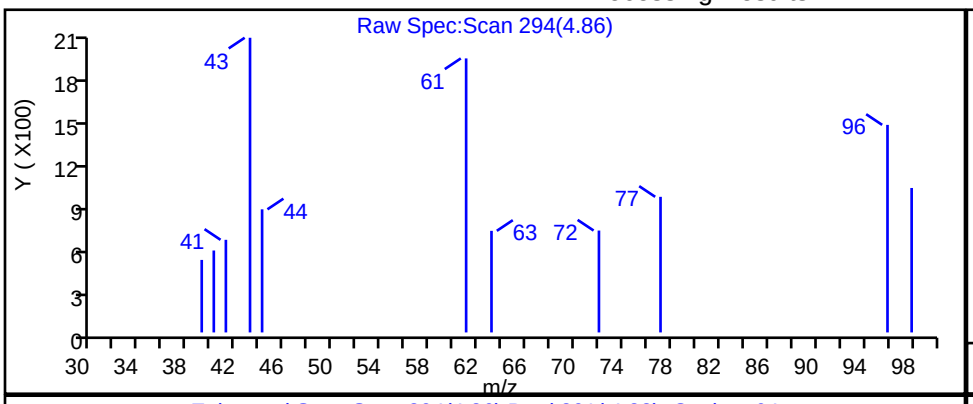
User Disabled Compound Report

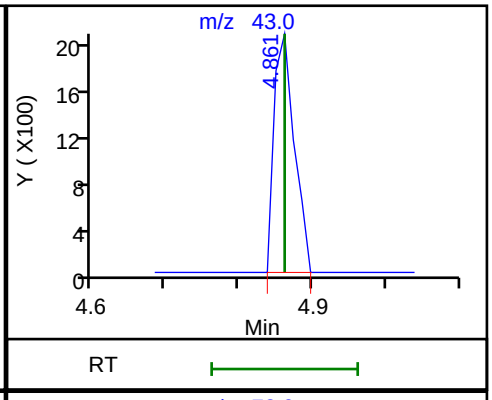
Eurofins TestAmerica, Canton

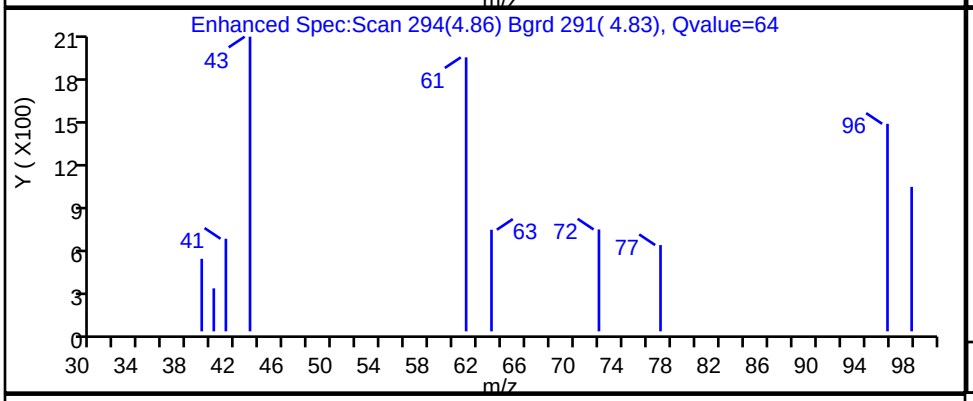
Data File:	\\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27988.D				
Injection Date:	18-May-2020 12:13:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

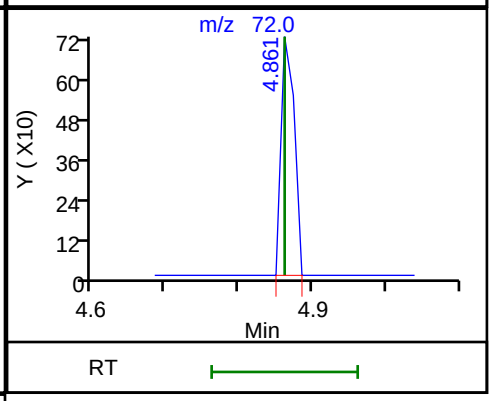
40 2-Butanone (MEK), CAS: 78-93-3

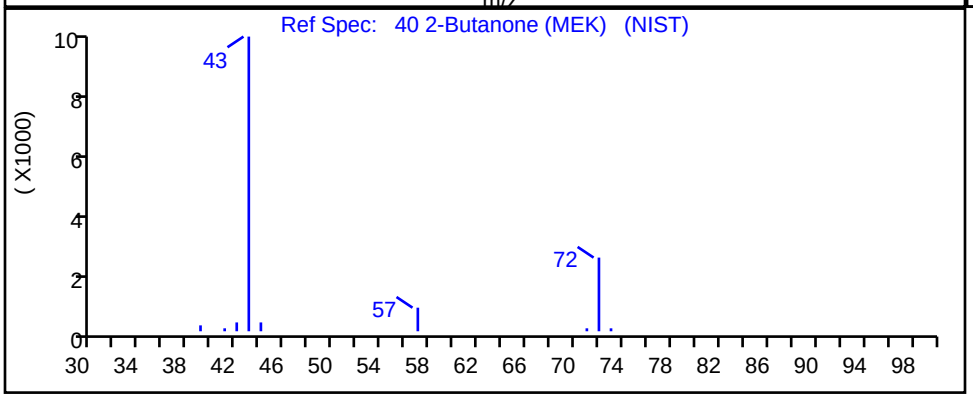
Processing Results











RT	Mass	Response	Amount
4.86	43.00	4031	
4.86	72.00	905	0.710065

Reviewer: bosworthh, 18-May-2020 12:41:45

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

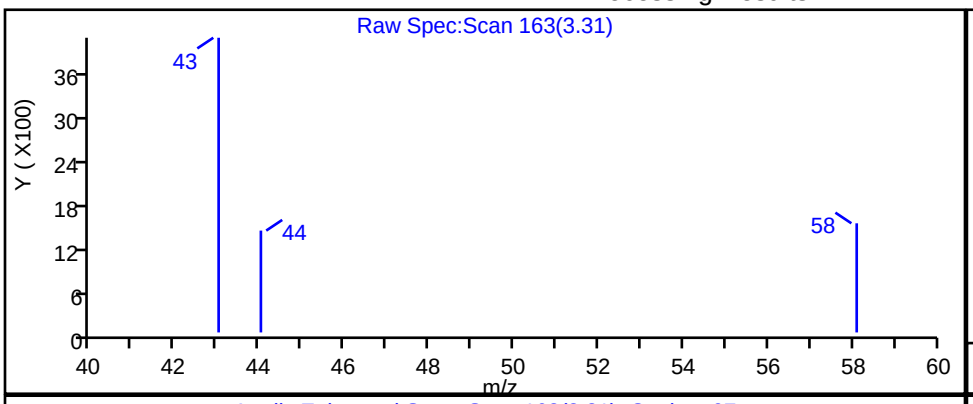
User Disabled Compound Report

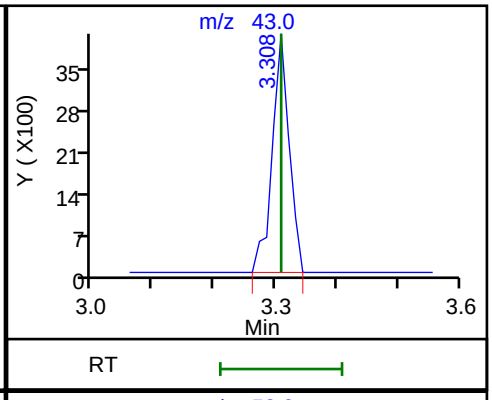
Eurofins TestAmerica, Canton

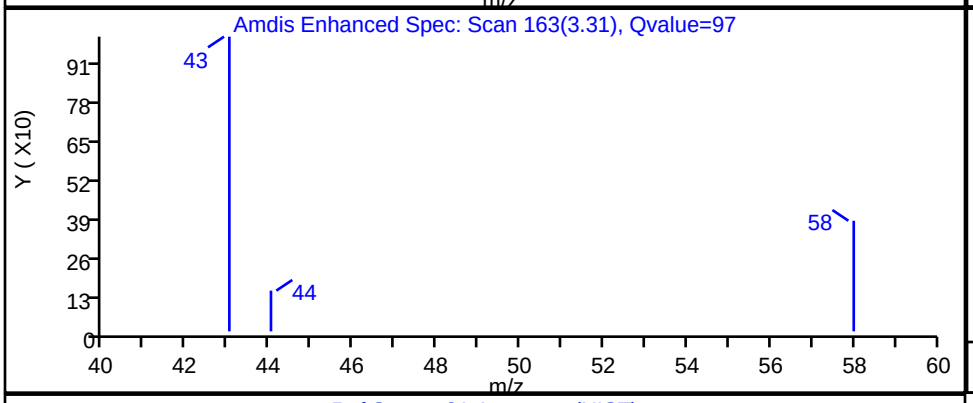
Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27988.D
Injection Date: 18-May-2020 12:13:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

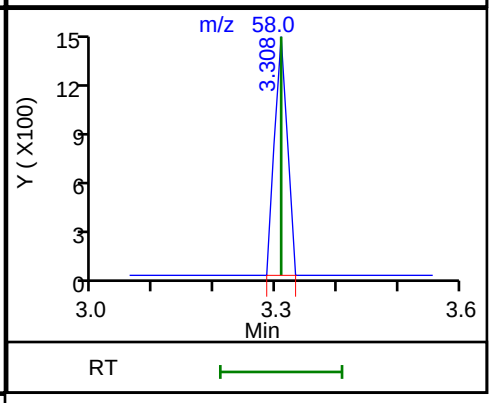
21 Acetone, CAS: 67-64-1

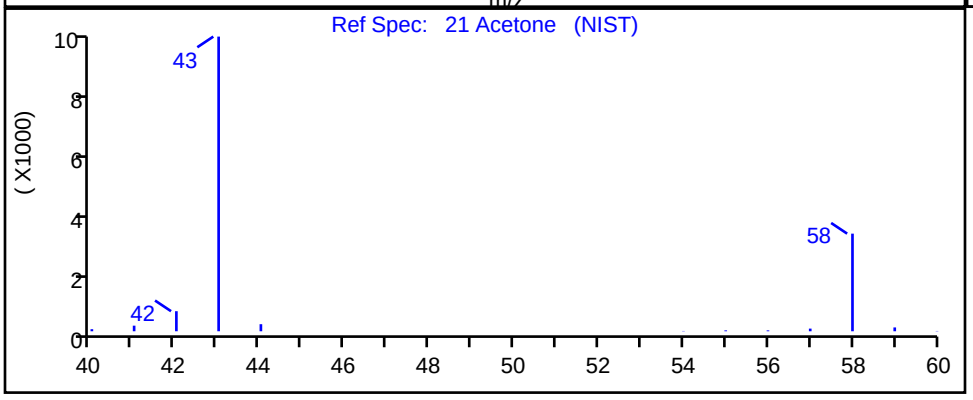
Processing Results











RT	Mass	Response	Amount
3.31	43.00	7715	
3.31	58.00	2166	1.119023

Reviewer: bosworthh, 18-May-2020 12:40:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

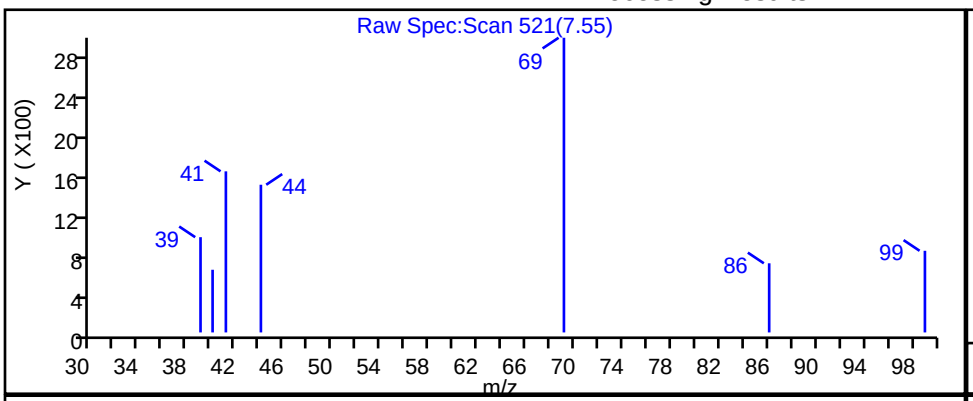
User Disabled Compound Report

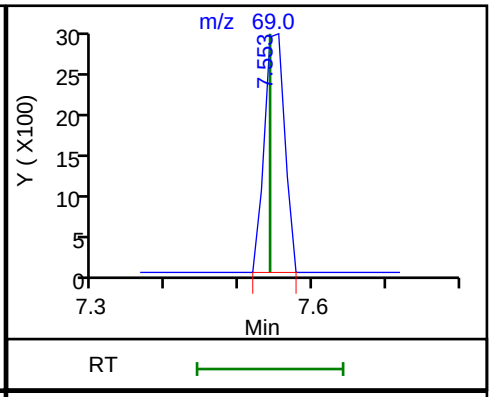
Eurofins TestAmerica, Canton

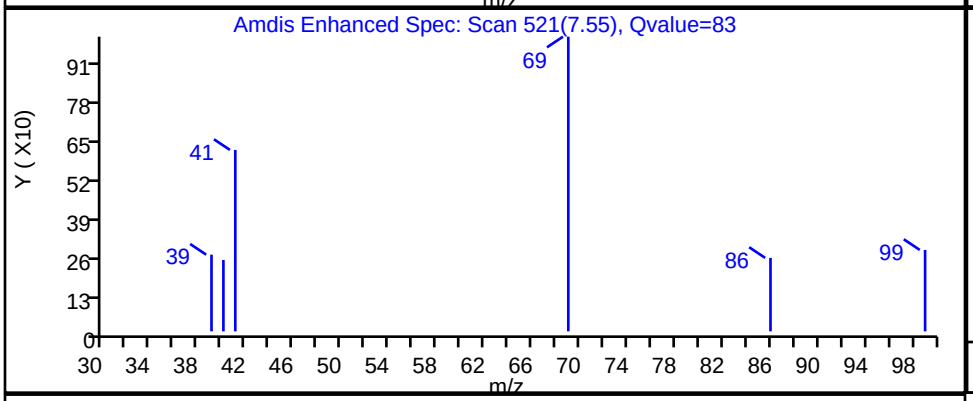
Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27988.D
Injection Date: 18-May-2020 12:13:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

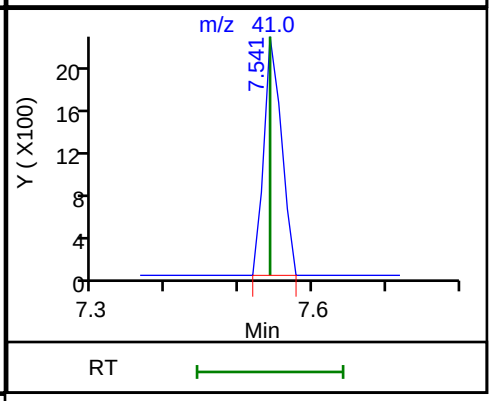
72 Ethyl methacrylate, CAS: 97-63-2

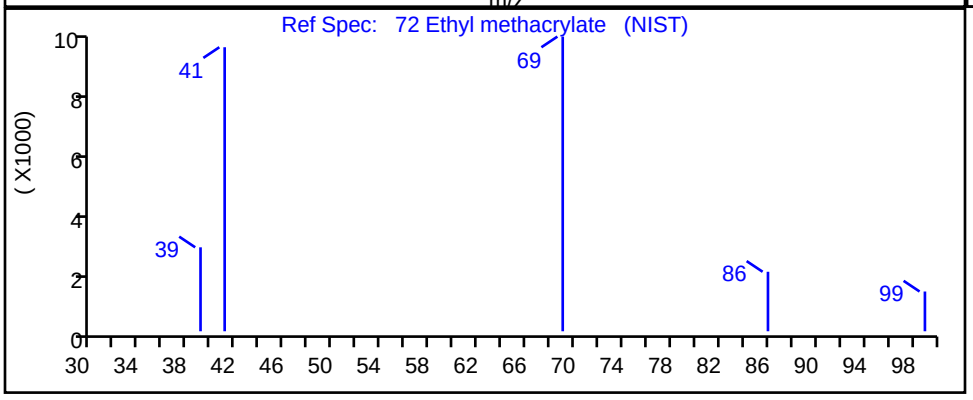
Processing Results











RT	Mass	Response	Amount
7.55	69.00	5758	0.402711
7.54	41.00	3748	

Reviewer: bosworthh, 18-May-2020 12:42:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

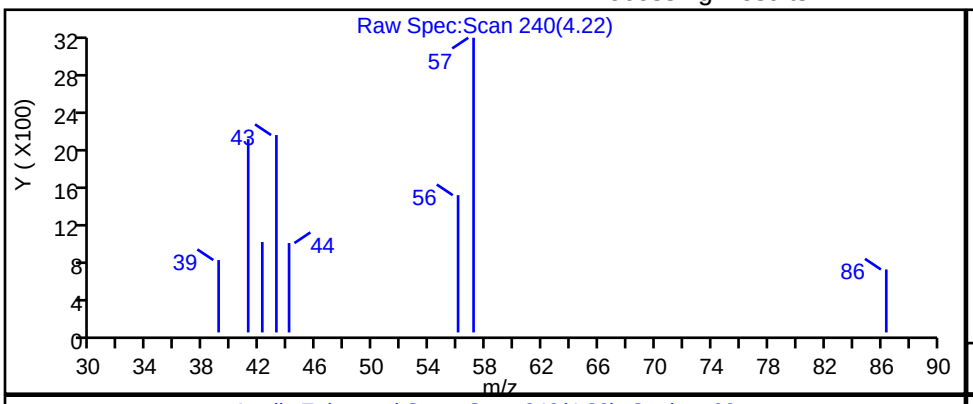
User Disabled Compound Report

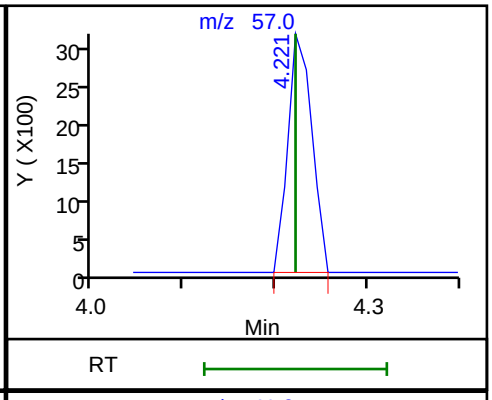
Eurofins TestAmerica, Canton

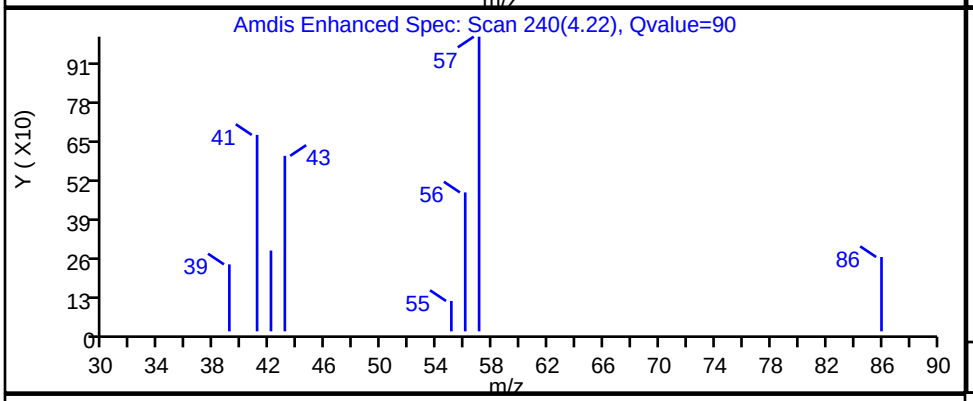
Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27988.D
Injection Date: 18-May-2020 12:13:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

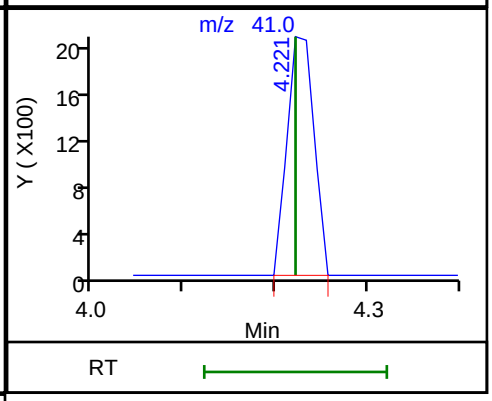
33 Hexane, CAS: 110-54-3

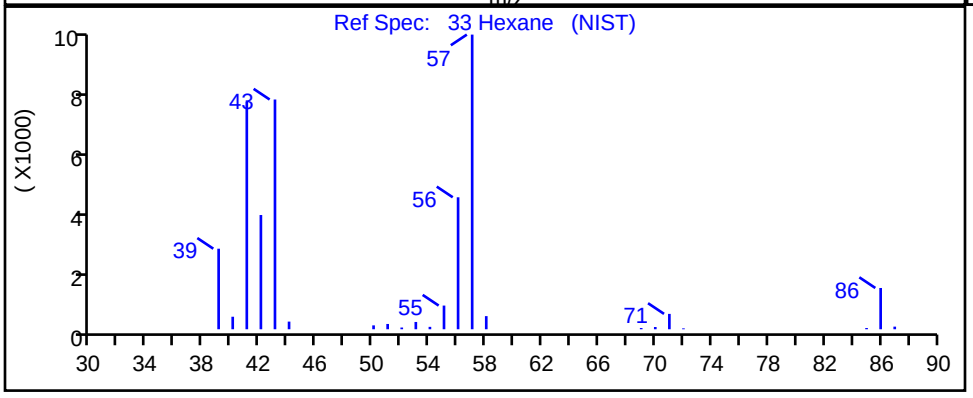
Processing Results











RT	Mass	Response	Amount
4.22	57.00	5761	0.347476
4.22	41.00	4244	

Reviewer: bosworthh, 18-May-2020 12:41:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

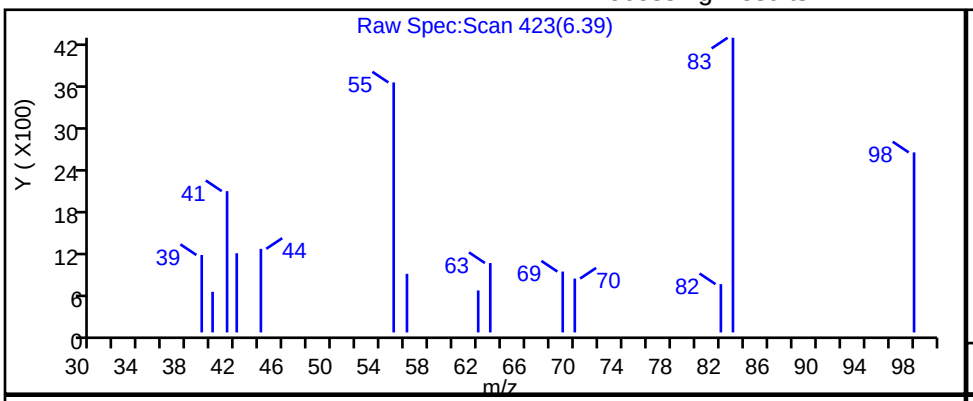
User Disabled Compound Report

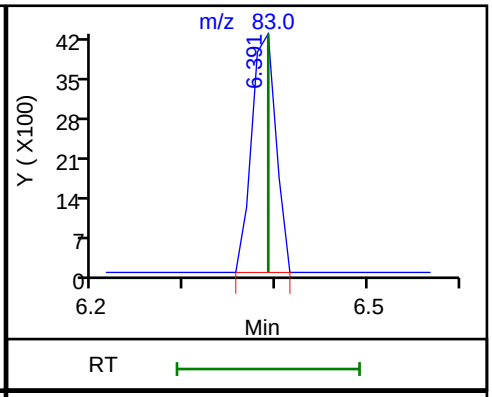
Eurofins TestAmerica, Canton

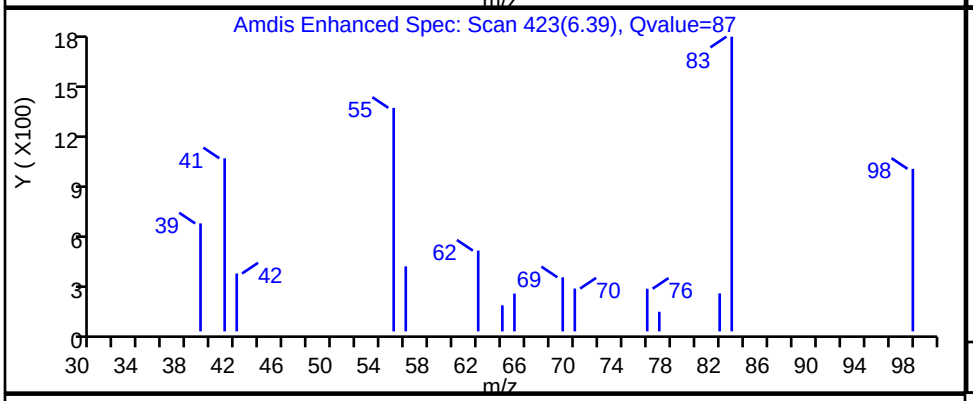
Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27988.D
Injection Date: 18-May-2020 12:13:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

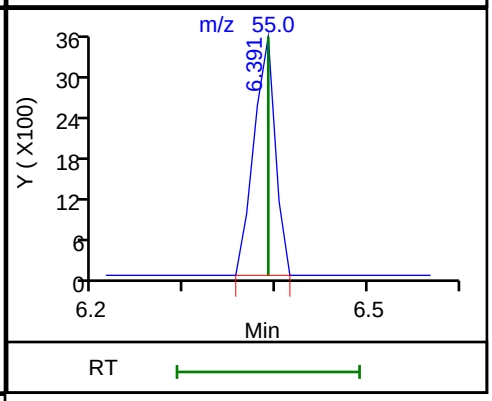
60 Methylcyclohexane, CAS: 108-87-2

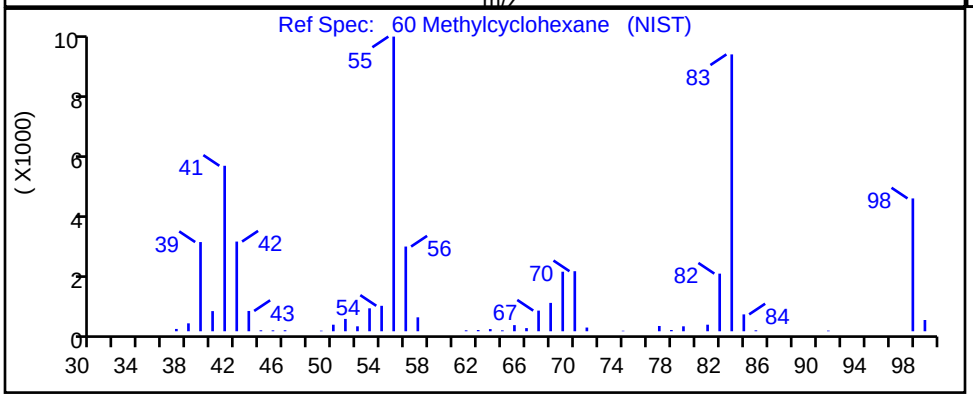
Processing Results











RT	Mass	Response	Amount
6.39	83.00	7777	0.346176
6.39	55.00	5794	

Reviewer: bosworthh, 18-May-2020 12:42:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

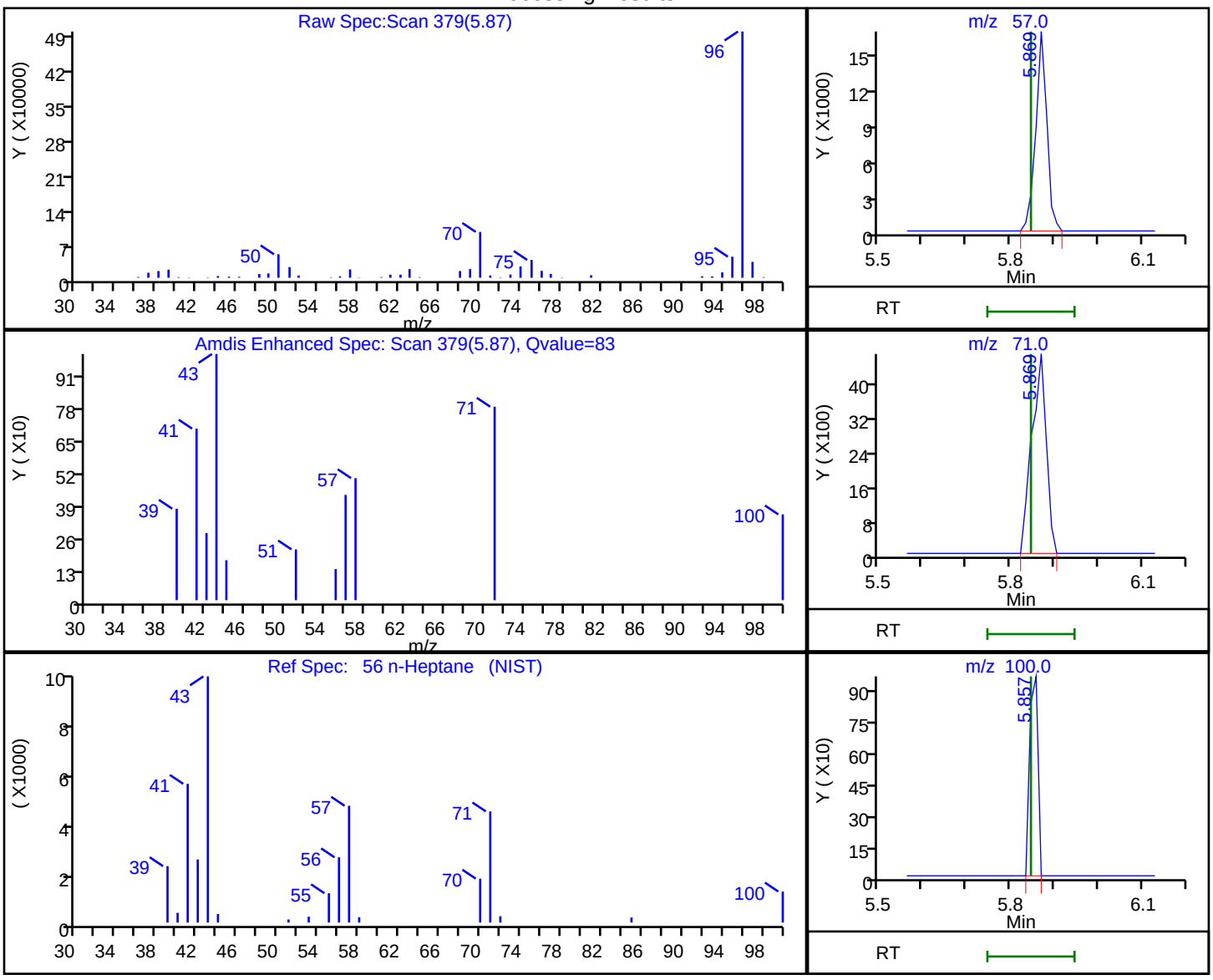
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27988.D				
Injection Date:	18-May-2020 12:13:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

56 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
5.87	57.00	29600	0.565419
5.87	71.00	10670	
5.86	100.00	1278	

Reviewer: bosworthh, 18-May-2020 12:46:16

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

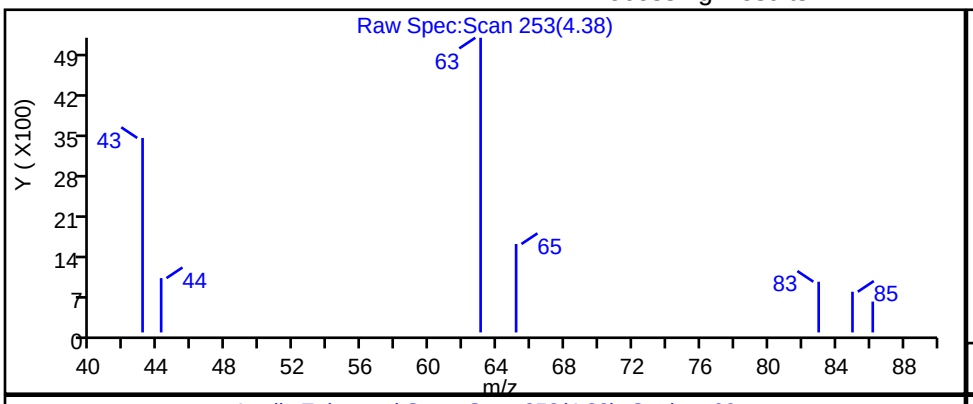
User Disabled Compound Report

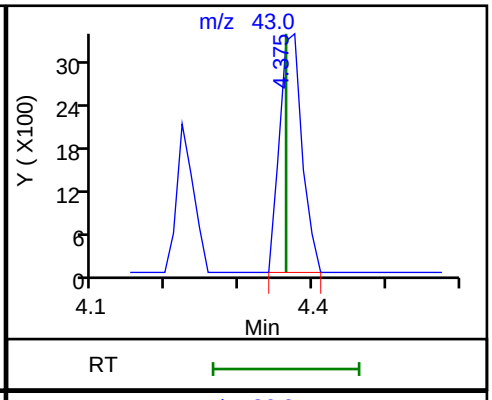
Eurofins TestAmerica, Canton

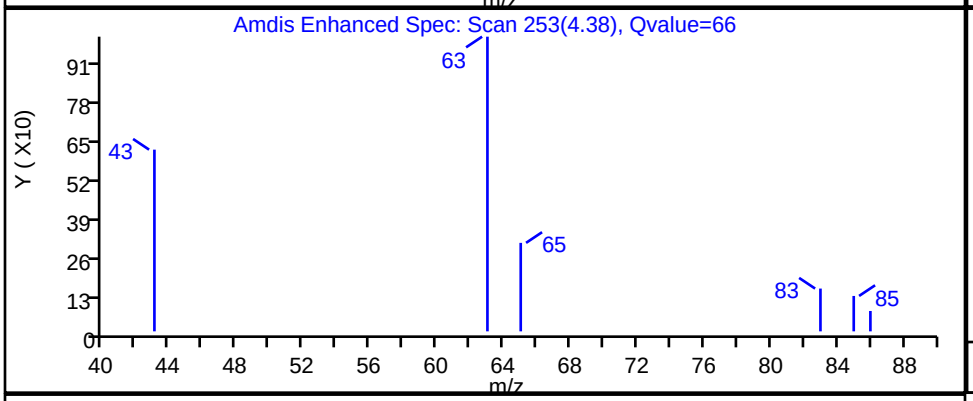
Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27988.D
Injection Date: 18-May-2020 12:13:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

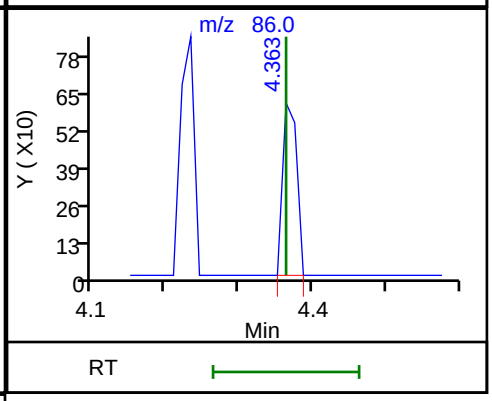
35 Vinyl acetate, CAS: 108-05-4

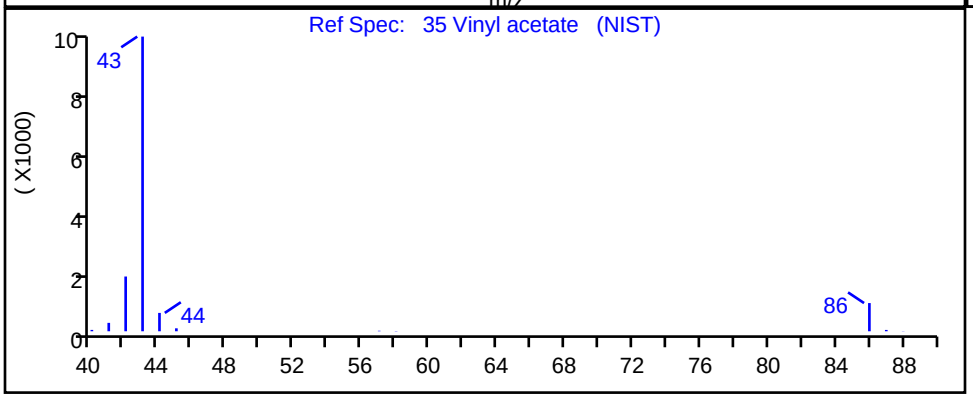
Processing Results











RT	Mass	Response	Amount
4.38	43.00	7269	0.383767
4.36	86.00	817	

Reviewer: bosworthh, 18-May-2020 12:41:36
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, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 13:52 Calibration End Date: 05/18/2020 15:56 Calibration ID: 57118

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-434666/24	UXM27997.D
Level 2	STDA9 240-434666/23	UXM27996.D
Level 3	STDA9 240-434666/22	UXM27995.D
Level 4	STDA9 240-434666/21	UXM27994.D
Level 5	STDA9 240-434666/20	UXM27993.D
Level 6	STDA9 240-434666/19	UXM27992.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 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	0.0423 0.0301	0.0350	0.0329	0.0299	0.0329	Ave		0.0338				13.5		20.0			
Diisopropyl ether	0.2360 0.2664	0.2127	0.2463	0.2428	0.2731	Ave		0.2462				8.8		20.0			
2-Chloro-1,3-butadiene	0.3898 0.4426	0.3699	0.4327	0.4145	0.4486	Ave		0.4163				7.5		20.0			
Ethyl-t-butyl ether (ETBE)	0.6639 0.8056	0.6429	0.7238	0.7109	0.8107	Ave		0.7263				9.6		20.0			
Ethyl acetate	0.1809 0.2023	0.1771	0.1771	0.1817	0.2124	Ave		0.1886				7.9		20.0			
Propionitrile	0.0385 0.0366	0.0343	0.0373	0.0352	0.0394	Ave		0.0369				5.2		20.0			
Methacrylonitrile	0.1224 0.1560	0.1186	0.1312	0.1261	0.1512	Ave		0.1342				11.6		20.0			
Isooctane	0.7559 0.9222	0.7250	0.9117	0.8155	0.8939	Ave		0.8374				10.1		20.0			
Tert-amyl-methyl ether (TAME)	0.6450 0.8003	0.6598	0.7086	0.6946	0.7970	Ave		0.7175				9.3		20.0			
n-Butanol	0.0050 0.0066	0.0045	0.0055	0.0055	0.0072	Ave		0.0057				17.6		20.0			
Ethyl acrylate	0.2438 0.2957	0.2027	0.2497	0.2525	0.3039	Ave		0.2581				14.4		20.0			
Methyl methacrylate	0.1556 0.1925	0.1537	0.1673	0.1702	0.1988	Ave		0.1730				10.8		20.0			
2-Nitropropane	0.0676 0.0732	0.0607	0.0620	0.0645	0.0765	Ave		0.0674				9.3		20.0			
n-Butyl acetate	0.3038 0.3028	0.2760	0.2913	0.2838	0.3254	Ave		0.2972				5.9		20.0			
1-Chlorohexane	0.5870 0.5968	0.5082	0.5859	0.5378	0.6114	Ave		0.5712				6.9		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, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 13:52 Calibration End Date: 05/18/2020 15:56 Calibration ID: 57118

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 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexanone	0.0141 0.0197	0.0188	0.0178	0.0174	0.0220	Ave		0.0183				14.4		20.0			
Pentachloroethane	0.1145 0.2378	0.1412	0.1742	0.1840	0.2276	Lin1	-0.174	0.2262				19.0			0.9910		0.9900
1,2,3-Trimethylbenzene	2.5835 2.9363	2.4097	2.7788	2.6351	2.9431	Ave		2.7144				7.8		20.0			
Benzyl chloride	+++++ 0.3858	0.2589	0.3224	0.3227	0.3903	Ave		0.3360				16.1		20.0			
1,3,5-Trichlorobenzene	0.9724 1.1204	0.9583	1.0625	1.0074	1.1062	Ave		1.0379				6.6		20.0			
2-Methylnaphthalene	1.2138 1.1661	1.3226	1.0763	1.0827	1.2560	Ave		1.1863				8.2		20.0			
1-Methylnaphthalene	1.0864 0.9922	1.1415	0.9549	0.9471	1.0856	Ave		1.0346				7.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 13:52 Calibration End Date: 05/18/2020 15:56 Calibration ID: 57118

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-434666/24	UXM27997.D
Level 2	STDA9 240-434666/23	UXM27996.D
Level 3	STDA9 240-434666/22	UXM27995.D
Level 4	STDA9 240-434666/21	UXM27994.D
Level 5	STDA9 240-434666/20	UXM27993.D
Level 6	STDA9 240-434666/19	UXM27992.D

ANALYTE	IS REF	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
Acetonitrile	FB	Ave	8297 1156960	14313	136385	262034	640391	5.00 800	10.0	100	200	400
Diisopropyl ether	FB	Ave	4630 1023323	8698	102251	213014	531250	0.500 80.0	1.00	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	7648 1700622	15129	179631	363574	872423	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl-t-butyl ether (ETBE)	FB	Ave	13027 3094971	26292	300496	623565	1576740	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl acetate	FB	Ave	7101 1554368	14489	147025	318788	826159	1.00 160	2.00	20.0	40.0	80.0
Propionitrile	FB	Ave	7558 1406098	14022	154852	308962	765805	5.00 800	10.0	100	200	400
Methacrylonitrile	FB	Ave	24022 5992317	48494	544655	1106297	2939849	5.00 800	10.0	100	200	400
Isooctane	FB	Ave	14832 3543023	29653	378492	715339	1738631	0.500 80.0	1.00	10.0	20.0	40.0
Tert-amyl-methyl ether (TAME)	FB	Ave	12656 3074631	26984	294165	609291	1550174	0.500 80.0	1.00	10.0	20.0	40.0
n-Butanol	FB	Ave	2466 630360	4550	56782	121435	349586	12.5 2000	25.0	250	500	1000
Ethyl acrylate	FB	Ave	4783 1136054	8292	103670	221470	591109	0.500 80.0	1.00	10.0	20.0	40.0
Methyl methacrylate	FB	Ave	6106 1479395	12574	138919	298663	773227	1.00 160	2.00	20.0	40.0	80.0
2-Nitropropane	FB	Ave	2654 562256	4966	51492	113086	297413	1.00 160	2.00	20.0	40.0	80.0
n-Butyl acetate	FB	Ave	5962 1163505	11287	120934	248919	632922	0.500 80.0	1.00	10.0	20.0	40.0
1-Chlorohexane	CBNZ d5	Ave	10341 1869182	18772	214089	403420	983218	0.500 80.0	1.00	10.0	20.0	40.0
Cyclohexanone	DCBd 4	Ave	1329 320292	3740	34310	68713	182765	5.00 800	10.0	100	200	400

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 13:52 Calibration End Date: 05/18/2020 15:56 Calibration ID: 57118

ANALYTE	IS REF	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
Pentachloroethane	CBNZ d5	Lin1	4036 1489821	10431	127339	276105	731951	1.00 160	2.00	20.0	40.0	80.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	24380 4772737	47879	536108	1040758	2450124	0.500 80.0	1.00	10.0	20.0	40.0
Benzyl chloride	DCBd 4	Ave	+++++ 627063	5145	62191	127450	324919	+++++ 80.0	1.00	10.0	20.0	40.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	9176 1821107	19041	204980	397866	920934	0.500 80.0	1.00	10.0	20.0	40.0
2-Methylnaphthalene	DCBd 4	Ave	22909 3790866	52558	415298	855222	2091293	1.00 160	2.00	20.0	40.0	80.0
1-Methylnaphthalene	DCBd 4	Ave	20504 3225522	45362	368450	748110	1807469	1.00 160	2.00	20.0	40.0	80.0

Curve Type Legend:
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 434666

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2020 13:52 Calibration End Date: 05/18/2020 15:56 Calibration ID: 57118

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-434666/24	UXM27997.D
Level 2	STDA9 240-434666/23	UXM27996.D
Level 3	STDA9 240-434666/22	UXM27995.D
Level 4	STDA9 240-434666/21	UXM27994.D
Level 5	STDA9 240-434666/20	UXM27993.D
Level 6	STDA9 240-434666/19	UXM27992.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Pentachloroethane	27.7						50					

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27992.D
Lims ID: stdA9 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 18-May-2020 13:52:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-019
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 19-May-2020 09:28:48 Calib Date: 18-May-2020 15:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27997.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1040

First Level Reviewer: bosworthh Date: 19-May-2020 08:53:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	960505	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	783066	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	93	406356	20.0	20.0	
25 Acetonitrile	41	3.569	3.569	0.000	99	1156960	800.0	711.9	
36 Isopropyl ether	87	4.399	4.399	0.000	91	1023323	80.0	86.5	
37 2-Chloro-1,3-butadiene	53	4.435	4.446	-0.012	90	1700622	80.0	85.1	
38 Tert-butyl ethyl ether	59	4.707	4.707	0.000	95	3094971	80.0	88.7	
43 Ethyl acetate	43	4.885	4.885	0.000	99	1554368	160.0	171.6	
42 Propionitrile	54	4.921	4.920	0.001	99	1406098	800.0	793.8	
44 Methacrylonitrile	41	5.051	5.051	0.000	90	5992317	800.0	929.5	
163 Isooctane	57	5.703	5.703	0.000	93	3543023	80.0	88.1	
55 Tert-amyl methyl ether	73	5.715	5.715	0.000	91	3074631	80.0	89.2	
57 n-Butanol	56	6.059	6.059	0.000	85	630360	2000.0	2300.2	
59 Ethyl acrylate	55	6.225	6.225	0.000	98	1136054	80.0	91.7	
62 Methyl methacrylate	41	6.427	6.427	0.000	86	1479395	160.0	178.0	
66 2-Nitropropane	41	6.818	6.818	0.000	99	562256	160.0	173.7	
77 n-Butyl acetate	43	7.968	7.980	-0.012	96	1163505	80.0	81.5	
81 1-Chlorohexane	91	8.585	8.585	0.000	91	1869182	80.0	83.6	
91 Cyclohexanone	55	9.652	9.652	0.000	89	320292	800.0	861.8	
103 Pentachloroethane	167	10.482	10.482	0.000	96	1489821	160.0	169.0	
109 1,2,3-Trimethylbenzene	105	10.909	10.909	0.000	97	4772737	80.0	86.5	
110 Benzyl chloride	126	11.004	11.004	0.000	99	627063	80.0	91.8	
114 1,3,5-Trichlorobenzene	180	12.226	12.225	0.001	98	1821107	80.0	86.4	
119 2-Methylnaphthalene	142	14.597	14.597	0.000	93	3790866	160.0	157.3	
162 1-Methylnaphthalene	142	14.870	14.870	0.000	0	3225522	160.0	153.4	

Reagents:

vmra9w_00344	Amount Added:	64.00	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

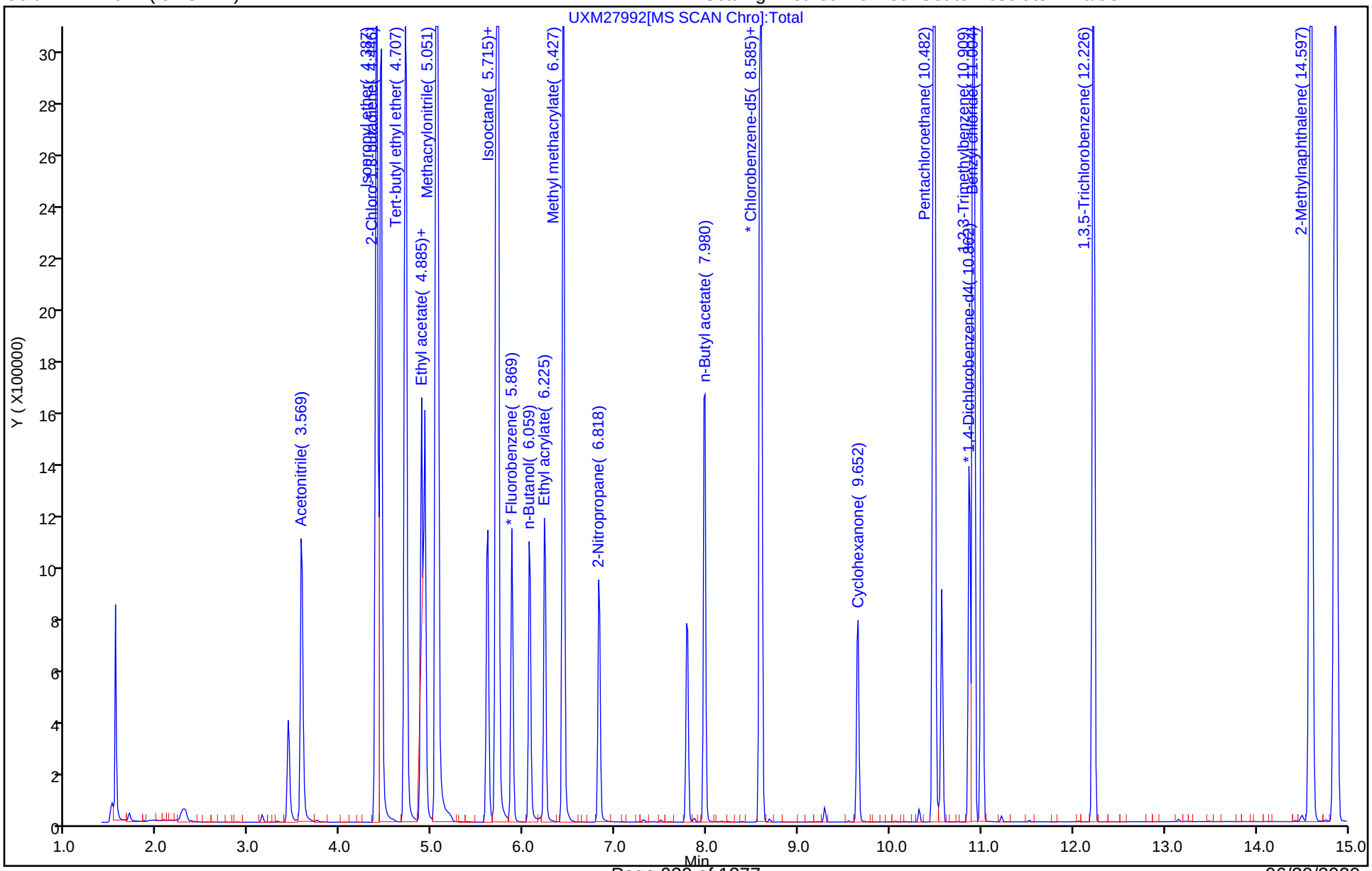
Report Date: 19-May-2020 09:28:48 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27992.D

Injection Date:	18-May-2020 13:52:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	stdA9 L6			Worklist Smp#:	19
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

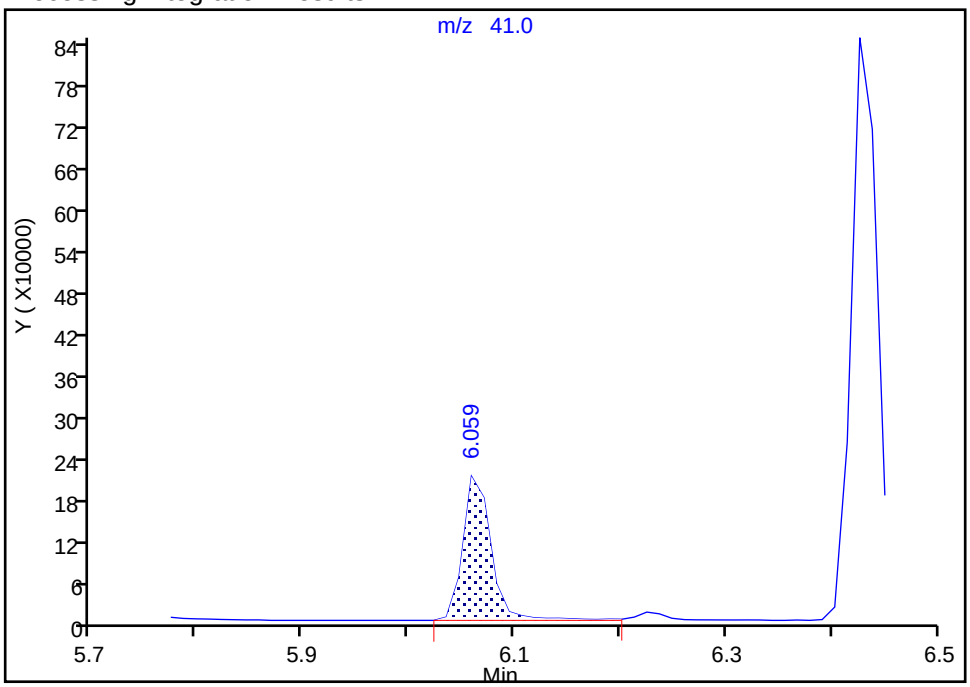
Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27992.D
Injection Date: 18-May-2020 13:52:30 Instrument ID: A3UX16
Lims ID: stdA9 L6
Client ID:
Operator ID: 001765 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 2

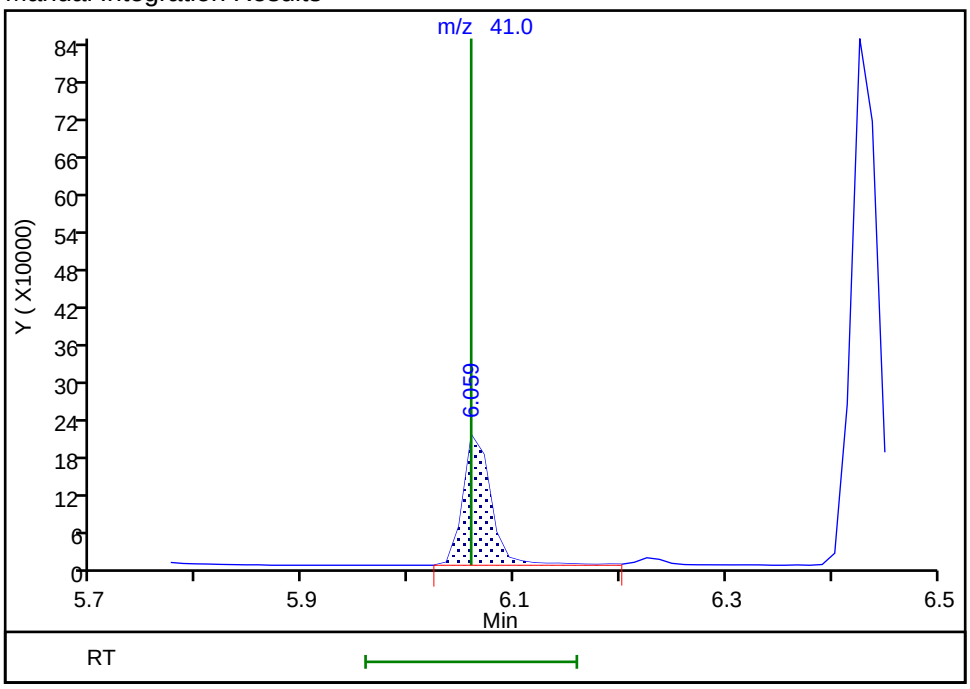
Processing Integration Results

RT: 6.06
Area: 388866
Amount: 2300.1687
Amount Units: ug/l



Manual Integration Results

RT: 6.06
Area: 388866
Amount: 2300.1687
Amount Units: ug/l



Reviewer: bosworthh, 19-May-2020 08:57:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

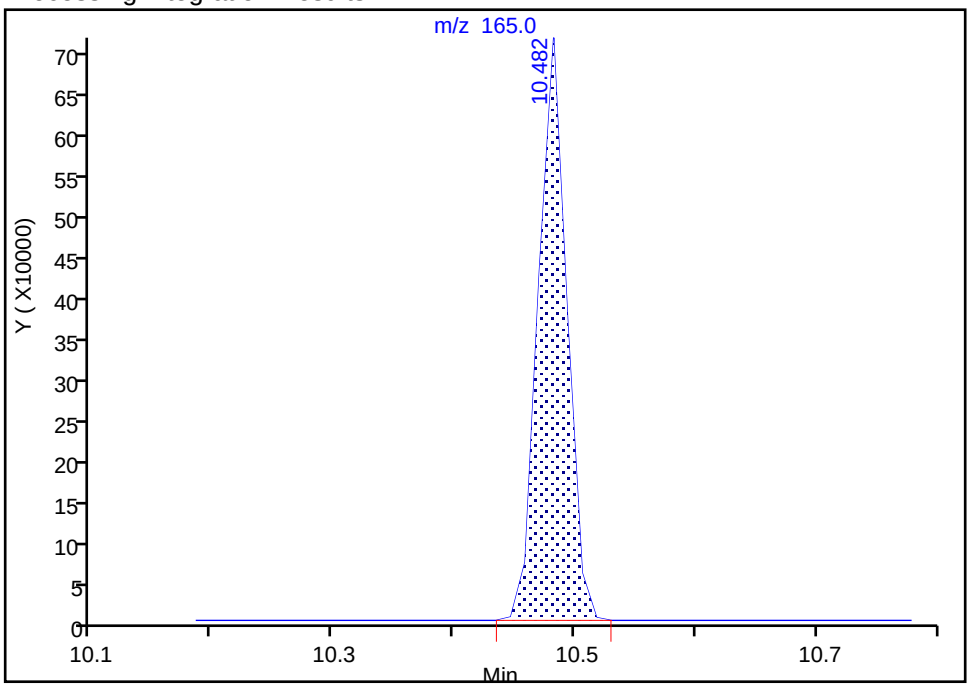
Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27992.D
Injection Date: 18-May-2020 13:52:30 Instrument ID: A3UX16
Lims ID: stdA9 L6
Client ID:
Operator ID: 001765 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

103 Pentachloroethane, CAS: 76-01-7

Signal: 2

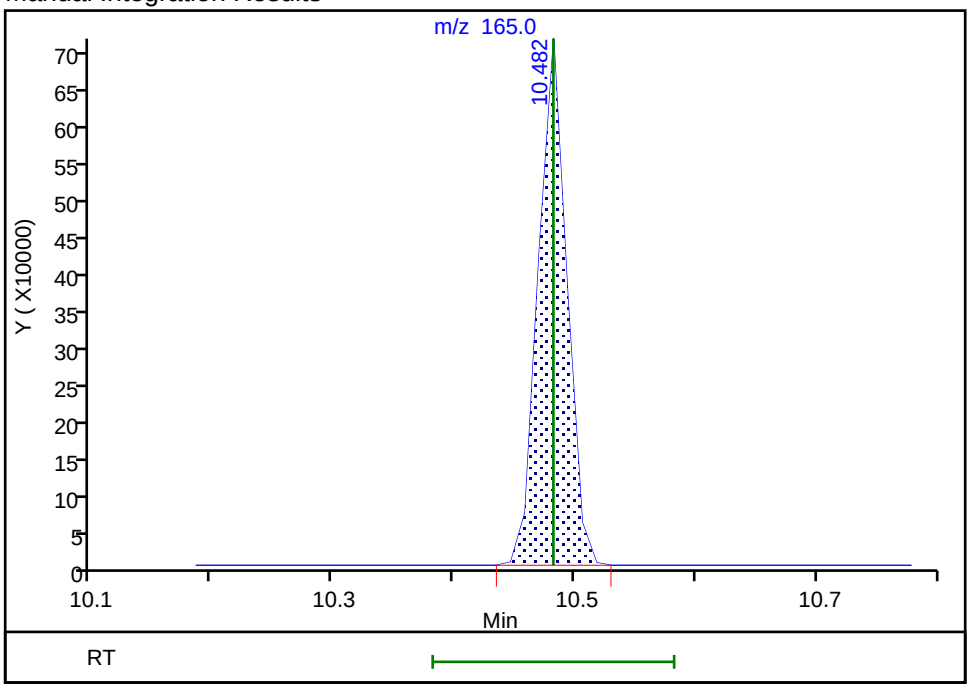
Processing Integration Results

RT: 10.48
Area: 1164195
Amount: 168.9678
Amount Units: ug/l



Manual Integration Results

RT: 10.48
Area: 1164195
Amount: 168.9678
Amount Units: ug/l



Reviewer: bosworthh, 19-May-2020 08:57:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

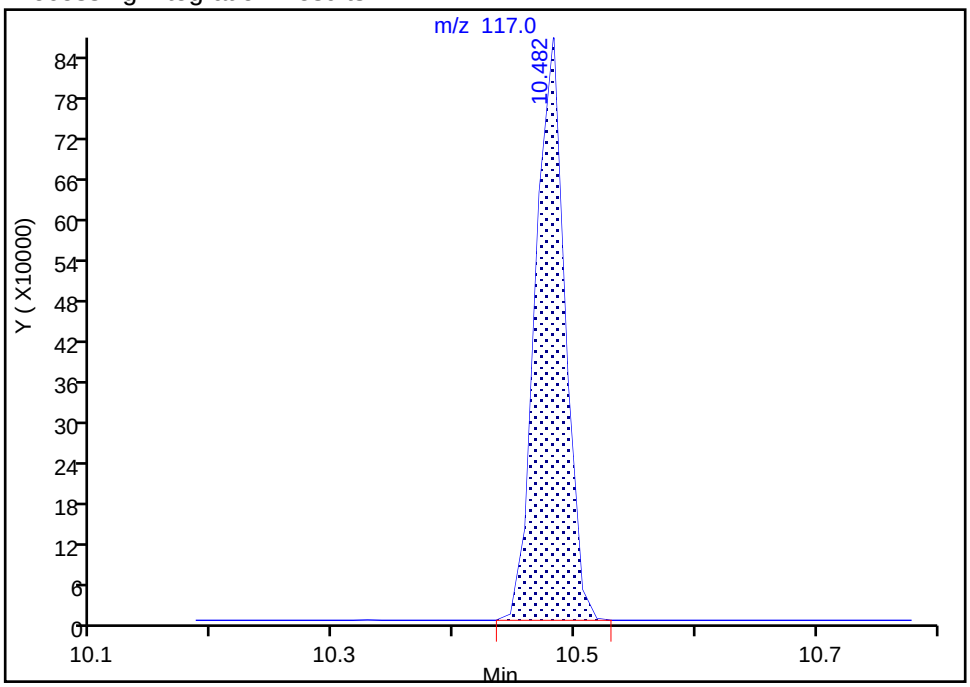
Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27992.D
Injection Date: 18-May-2020 13:52:30 Instrument ID: A3UX16
Lims ID: stdA9 L6
Client ID:
Operator ID: 001765 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

103 Pentachloroethane, CAS: 76-01-7

Signal: 3

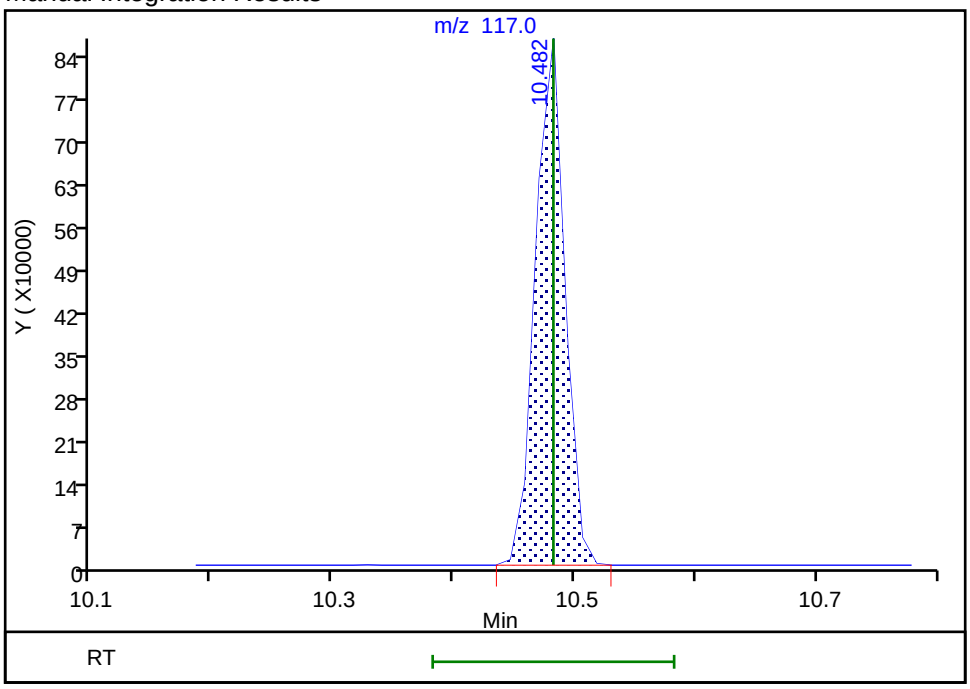
Processing Integration Results

RT: 10.48
Area: 1460287
Amount: 168.9678
Amount Units: ug/l



Manual Integration Results

RT: 10.48
Area: 1460287
Amount: 168.9678
Amount Units: ug/l



Reviewer: bosworthh, 19-May-2020 08:57:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27993.D
Lims ID: stdA9 L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 18-May-2020 14:17:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-020
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 19-May-2020 09:28:50 Calib Date: 18-May-2020 15:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27997.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1040

First Level Reviewer: bosworthh Date: 19-May-2020 08:54:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	100	972485	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	85	804051	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	94	416246	20.0	20.0	
25 Acetonitrile	41	3.569	3.569	0.000	99	640391	400.0	389.2	
36 Isopropyl ether	87	4.399	4.399	0.000	91	531250	40.0	44.4	
37 2-Chloro-1,3-butadiene	53	4.446	4.446	0.000	90	872423	40.0	43.1	
38 Tert-butyl ethyl ether	59	4.707	4.707	0.000	96	1576740	40.0	44.6	
43 Ethyl acetate	43	4.885	4.885	0.000	98	826159	80.0	90.1	
42 Propionitrile	54	4.920	4.920	0.000	99	765805	400.0	427.0	
44 Methacrylonitrile	41	5.051	5.051	0.000	89	2939849	400.0	450.4	
163 Isooctane	57	5.703	5.703	0.000	97	1738631	40.0	42.7	
55 Tert-amyl methyl ether	73	5.715	5.715	0.000	99	1550174	40.0	44.4	
57 n-Butanol	56	6.059	6.059	0.000	85	349586	1000.0	1259.9	
59 Ethyl acrylate	55	6.225	6.225	0.000	99	591109	40.0	47.1	
62 Methyl methacrylate	41	6.427	6.427	0.000	83	773227	80.0	91.9	
66 2-Nitropropane	41	6.818	6.818	0.000	99	297413	80.0	90.7	
77 n-Butyl acetate	43	7.980	7.980	0.000	94	632922	40.0	43.8	
81 1-Chlorohexane	91	8.585	8.585	0.000	91	983218	40.0	42.8	
91 Cyclohexanone	55	9.652	9.652	0.000	90	182765	400.0	480.1	
103 Pentachloroethane	167	10.482	10.482	0.000	97	731951	80.0	81.2	
109 1,2,3-Trimethylbenzene	105	10.909	10.909	0.000	97	2450124	40.0	43.4	
110 Benzyl chloride	126	11.004	11.004	0.000	99	324919	40.0	46.5	
114 1,3,5-Trichlorobenzene	180	12.225	12.225	0.000	98	920934	40.0	42.6	
119 2-Methylnaphthalene	142	14.597	14.597	0.000	93	2091293	80.0	84.7	
162 1-Methylnaphthalene	142	14.870	14.870	0.000	0	1807469	80.0	83.9	

Reagents:

vmra9w_00344	Amount Added:	32.00	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

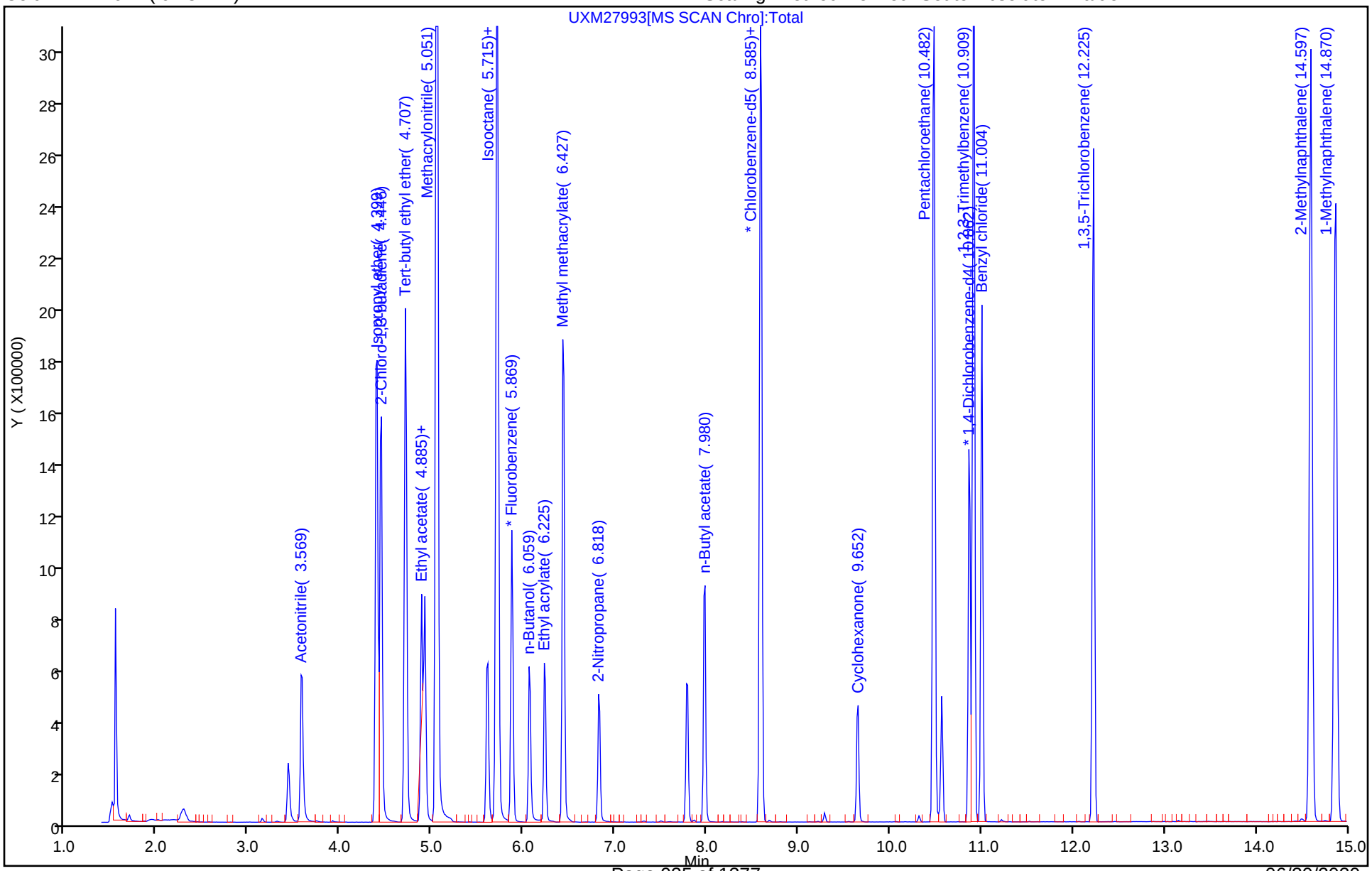
Report Date: 19-May-2020 09:28:51 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27993.D

Injection Date:	18-May-2020 14:17:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	stdA9 L5			Worklist Smp#:	20
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27994.D
Lims ID: stdA9 L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 18-May-2020 14:42:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-021
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 19-May-2020 09:15:13 Calib Date: 18-May-2020 15:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27997.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1040

First Level Reviewer: bosworthh Date: 19-May-2020 08:54:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	100	877148	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	84	750122	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	94	394955	20.0	20.0	
25 Acetonitrile	41	3.580	3.569	0.011	99	262034	200.0	176.6	
36 Isopropyl ether	87	4.399	4.399	0.000	91	213014	20.0	19.7	
37 2-Chloro-1,3-butadiene	53	4.446	4.446	0.000	91	363574	20.0	19.9	
38 Tert-butyl ethyl ether	59	4.707	4.707	0.000	96	623565	20.0	19.6	
43 Ethyl acetate	43	4.885	4.885	0.000	98	318788	40.0	38.5	
42 Propionitrile	54	4.920	4.920	0.000	99	308962	200.0	191.0	
44 Methacrylonitrile	41	5.051	5.051	0.000	88	1106297	200.0	187.9	
163 Isooctane	57	5.703	5.703	0.000	97	715339	20.0	19.5	
55 Tert-amyl methyl ether	73	5.715	5.715	0.000	99	609291	20.0	19.4	
57 n-Butanol	56	6.071	6.059	0.012	84	121435	500.0	485.2	
59 Ethyl acrylate	55	6.225	6.225	0.000	98	221470	20.0	19.6	
62 Methyl methacrylate	41	6.426	6.427	-0.001	85	298663	40.0	39.4	
66 2-Nitropropane	41	6.818	6.818	0.000	100	113086	40.0	38.3	
77 n-Butyl acetate	43	7.980	7.980	0.000	94	248919	20.0	19.1	
81 1-Chlorohexane	91	8.585	8.585	0.000	93	403420	20.0	18.8	
91 Cyclohexanone	55	9.652	9.652	0.000	89	68713	200.0	190.2	
103 Pentachloroethane	167	10.482	10.482	0.000	96	276105	40.0	33.3	
109 1,2,3-Trimethylbenzene	105	10.909	10.909	0.000	97	1040758	20.0	19.4	
110 Benzyl chloride	126	11.004	11.004	0.000	99	127450	20.0	19.2	
114 1,3,5-Trichlorobenzene	180	12.225	12.225	0.000	97	397866	20.0	19.4	
119 2-Methylnaphthalene	142	14.597	14.597	0.000	93	855222	40.0	36.5	
162 1-Methylnaphthalene	142	14.870	14.870	0.000	0	748110	40.0	36.6	

Reagents:

vmra9w_00344	Amount Added:	16.00	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

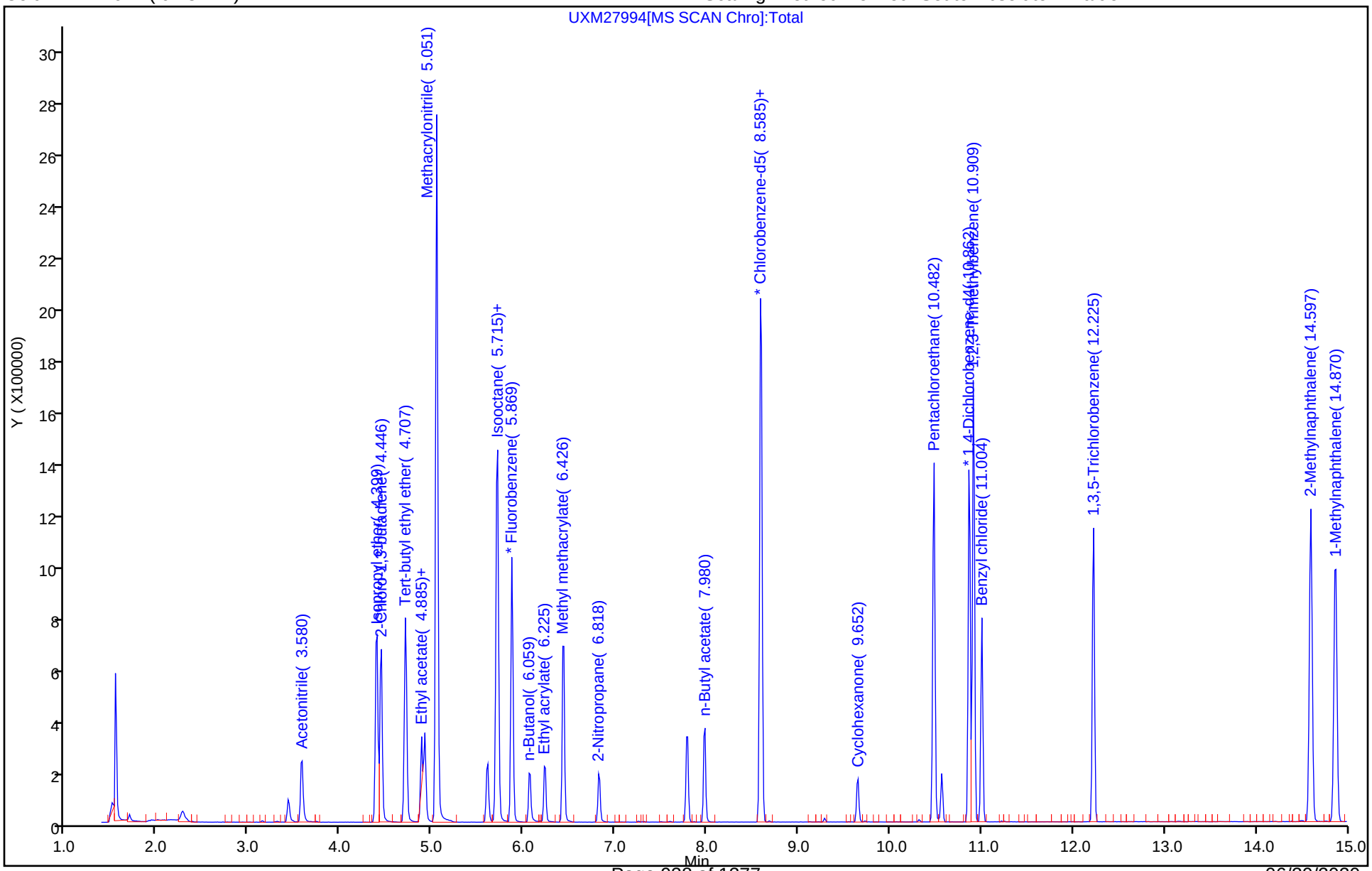
Report Date: 19-May-2020 09:15:14 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27994.D

Injection Date:	18-May-2020 14:42:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	stdA9 L4			Worklist Smp#:	21
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27995.D
Lims ID: stdA9 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-May-2020 15:07:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-022
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 19-May-2020 09:15:16 Calib Date: 18-May-2020 15:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27997.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1040

First Level Reviewer: bosworthh Date: 19-May-2020 08:55:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	100	830288	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	84	730828	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	94	385860	20.0	20.0	
25 Acetonitrile	41	3.581	3.569	0.012	99	136385	100.0	97.1	
36 Isopropyl ether	87	4.399	4.399	0.000	91	102251	10.0	10.0	
37 2-Chloro-1,3-butadiene	53	4.446	4.446	0.000	90	179631	10.0	10.4	
38 Tert-butyl ethyl ether	59	4.707	4.707	0.000	95	300496	10.0	9.97	
43 Ethyl acetate	43	4.885	4.885	0.000	98	147025	20.0	18.8	
42 Propionitrile	54	4.921	4.920	0.001	99	154852	100.0	101.1	
44 Methacrylonitrile	41	5.051	5.051	0.000	88	544655	100.0	97.7	
163 Isooctane	57	5.703	5.703	0.000	94	378492	10.0	10.9	
55 Tert-amyl methyl ether	73	5.715	5.715	0.000	86	294165	10.0	9.88	
57 n-Butanol	56	6.059	6.059	0.000	85	56782	250.0	239.7	
59 Ethyl acrylate	55	6.225	6.225	0.000	98	103670	10.0	9.68	
62 Methyl methacrylate	41	6.427	6.427	0.000	83	138919	20.0	19.3	
66 2-Nitropropane	41	6.818	6.818	0.000	100	51492	20.0	18.4	
77 n-Butyl acetate	43	7.980	7.980	0.000	94	120934	10.0	9.80	
81 1-Chlorohexane	91	8.585	8.585	0.000	90	214089	10.0	10.3	
91 Cyclohexanone	55	9.652	9.652	0.000	89	34310	100.0	97.2	
103 Pentachloroethane	167	10.482	10.482	0.000	95	127339	20.0	16.2	
109 1,2,3-Trimethylbenzene	105	10.909	10.909	0.000	97	536108	10.0	10.2	
110 Benzyl chloride	126	11.004	11.004	0.000	99	62191	10.0	9.59	
114 1,3,5-Trichlorobenzene	180	12.225	12.225	0.000	98	204980	10.0	10.2	
119 2-Methylnaphthalene	142	14.597	14.597	0.000	93	415298	20.0	18.1	
162 1-Methylnaphthalene	142	14.870	14.870	0.000	0	368450	20.0	18.5	

Reagents:

vmra9w_00344	Amount Added:	8.00	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

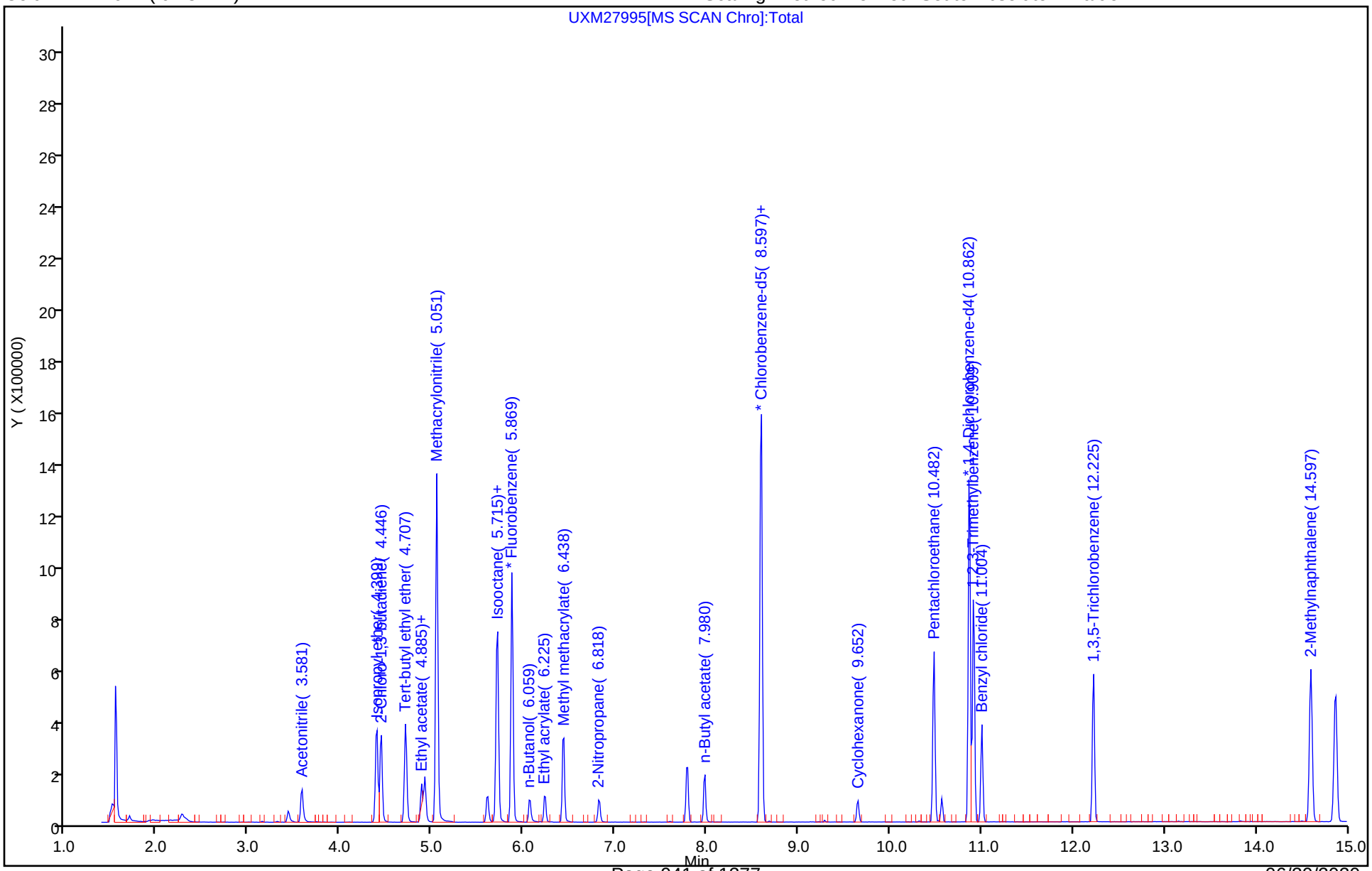
Report Date: 19-May-2020 09:15:16 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27995.D

Injection Date:	18-May-2020 15:07:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	stdA9 L3			Worklist Smp#:	22
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27996.D
Lims ID: stdA9 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-May-2020 15:31:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-023
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 19-May-2020 09:15:18 Calib Date: 18-May-2020 15:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27997.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1040

First Level Reviewer: bosworthh Date: 19-May-2020 08:55:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	100	817967	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	85	738776	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	95	397391	20.0	20.0	
25 Acetonitrile	41	3.581	3.569	0.012	98	14313	10.0	10.3	
36 Isopropyl ether	87	4.399	4.399	0.000	87	8698	1.00	0.8638	
37 2-Chloro-1,3-butadiene	53	4.446	4.446	0.000	89	15129	1.00	0.8885	
38 Tert-butyl ethyl ether	59	4.707	4.707	0.000	96	26292	1.00	0.8851	
43 Ethyl acetate	43	4.885	4.885	0.000	98	14489	2.00	1.88	
42 Propionitrile	54	4.921	4.920	0.001	95	14022	10.0	9.30	
44 Methacrylonitrile	41	5.051	5.051	0.000	87	48494	10.0	8.83	
163 Isooctane	57	5.703	5.703	0.000	96	29653	1.00	0.8658	
55 Tert-amyl methyl ether	73	5.715	5.715	0.000	96	26984	1.00	0.9195	
57 n-Butanol	56	6.071	6.059	0.012	81	4550	25.0	19.5	
59 Ethyl acrylate	55	6.225	6.225	0.000	95	8292	1.00	0.7857	
62 Methyl methacrylate	41	6.427	6.427	0.000	82	12574	2.00	1.78	
66 2-Nitropropane	41	6.818	6.818	0.000	97	4966	2.00	1.80	
77 n-Butyl acetate	43	7.980	7.980	0.000	92	11287	1.00	0.9286	
81 1-Chlorohexane	91	8.585	8.585	0.000	90	18772	1.00	0.8897	
91 Cyclohexanone	55	9.652	9.652	0.000	84	3740	10.0	10.3	
103 Pentachloroethane	167	10.482	10.482	0.000	88	10431	2.00	2.02	
109 1,2,3-Trimethylbenzene	105	10.909	10.909	0.000	96	47879	1.00	0.8877	
110 Benzyl chloride	126	11.004	11.004	0.000	99	5145	1.00	0.7706	
114 1,3,5-Trichlorobenzene	180	12.225	12.225	0.000	95	19041	1.00	0.9234	
119 2-Methylnaphthalene	142	14.597	14.597	0.000	94	52558	2.00	2.23	
162 1-Methylnaphthalene	142	14.870	14.870	0.000	0	45362	2.00	2.21	

Reagents:

vmra9w_00344	Amount Added:	0.80	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

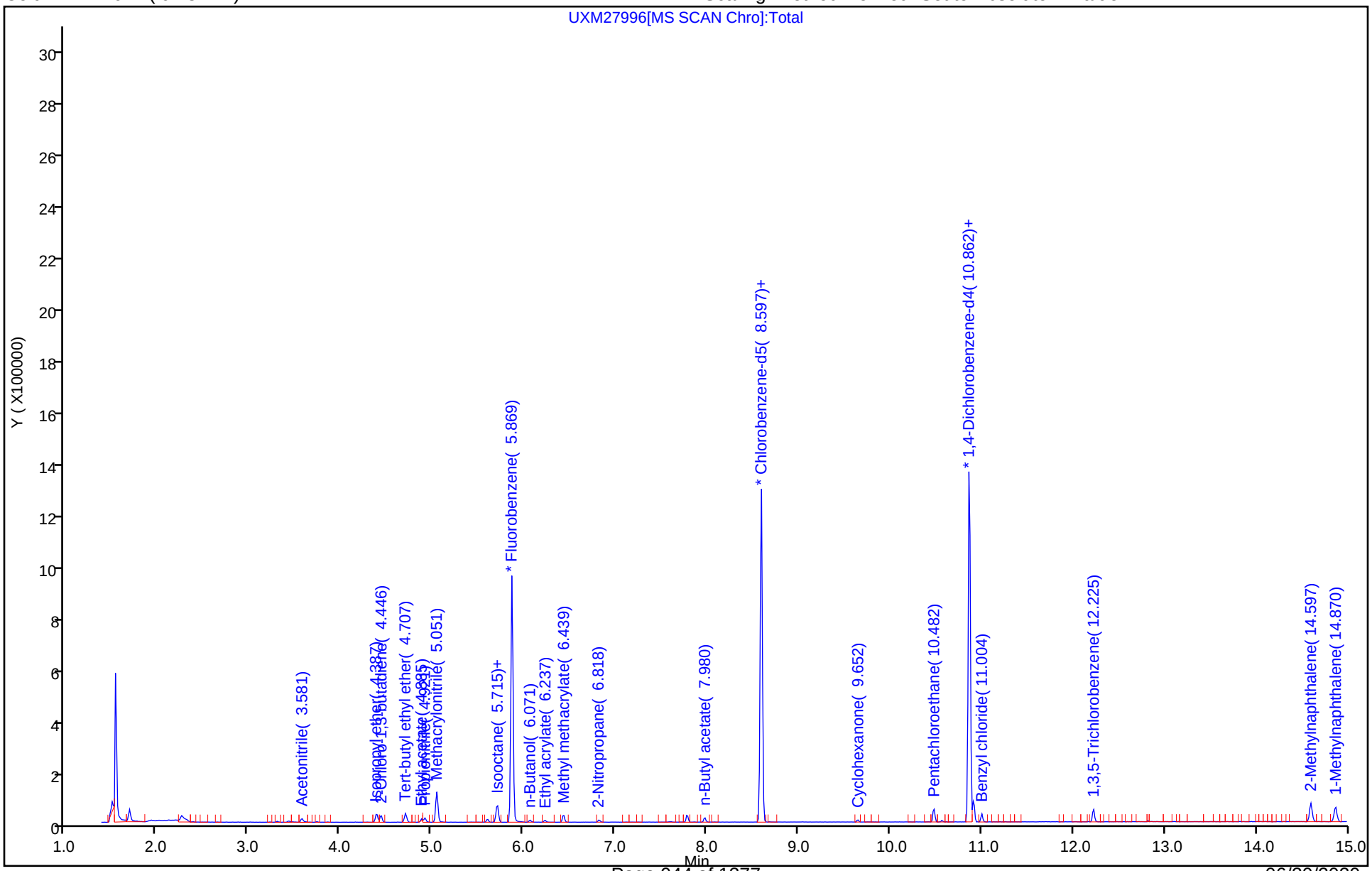
Report Date: 19-May-2020 09:15:18 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27996.D

Injection Date:	18-May-2020 15:31:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	stdA9 L2			Worklist Smp#:	23
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27997.D
Lims ID: stdA9 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-May-2020 15:56:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-024
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 19-May-2020 09:15:20 Calib Date: 18-May-2020 15:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27997.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1040

First Level Reviewer: bosworthh Date: 19-May-2020 09:12:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	100	784883	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	84	704727	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	95	377477	20.0	20.0	
25 Acetonitrile	41	3.581	3.569	0.012	98	8297	5.00	6.25	
36 Isopropyl ether	87	4.399	4.399	0.000	86	4630	0.5000	0.4792	
37 2-Chloro-1,3-butadiene	53	4.446	4.446	0.000	88	7648	0.5000	0.4681	
38 Tert-butyl ethyl ether	59	4.707	4.707	0.000	94	13027	0.5000	0.4570	
43 Ethyl acetate	43	4.885	4.885	0.000	96	7101	1.00	0.9595	
42 Propionitrile	54	4.921	4.920	0.001	95	7558	5.00	5.22	
44 Methacrylonitrile	41	5.051	5.051	0.000	86	24022	5.00	4.56	
163 Isooctane	57	5.703	5.703	0.000	92	14832	0.5000	0.4513	
55 Tert-amyl methyl ether	73	5.715	5.715	0.000	91	12656	0.5000	0.4494	
57 n-Butanol	56	6.071	6.059	0.012	79	2466	12.5	11.0	
59 Ethyl acrylate	55	6.237	6.225	0.012	91	4783	0.5000	0.4723	
62 Methyl methacrylate	41	6.439	6.427	0.012	83	6106	1.00	0.8992	
66 2-Nitropropane	41	6.830	6.818	0.012	64	2654	1.00	1.00	
77 n-Butyl acetate	43	7.980	7.980	0.000	96	5962	0.5000	0.5112	
81 1-Chlorohexane	91	8.585	8.585	0.000	66	10341	0.5000	0.5138	
91 Cyclohexanone	55	9.652	9.652	0.000	1	1329	5.00	3.85	
103 Pentachloroethane	167	10.482	10.482	0.000	88	4036	1.00	1.28	
109 1,2,3-Trimethylbenzene	105	10.909	10.909	0.000	94	24380	0.5000	0.4759	
110 Benzyl chloride	126		11.004				ND	ND	U
114 1,3,5-Trichlorobenzene	180	12.225	12.225	0.000	94	9176	0.5000	0.4684	
119 2-Methylnaphthalene	142	14.597	14.597	0.000	92	22909	1.00	1.02	
162 1-Methylnaphthalene	142	14.870	14.870	0.000	0	20504	1.00	1.05	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Review Flags
U - Marked Undetected

Reagents:

vmra9w_00344	Amount Added:	0.40	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

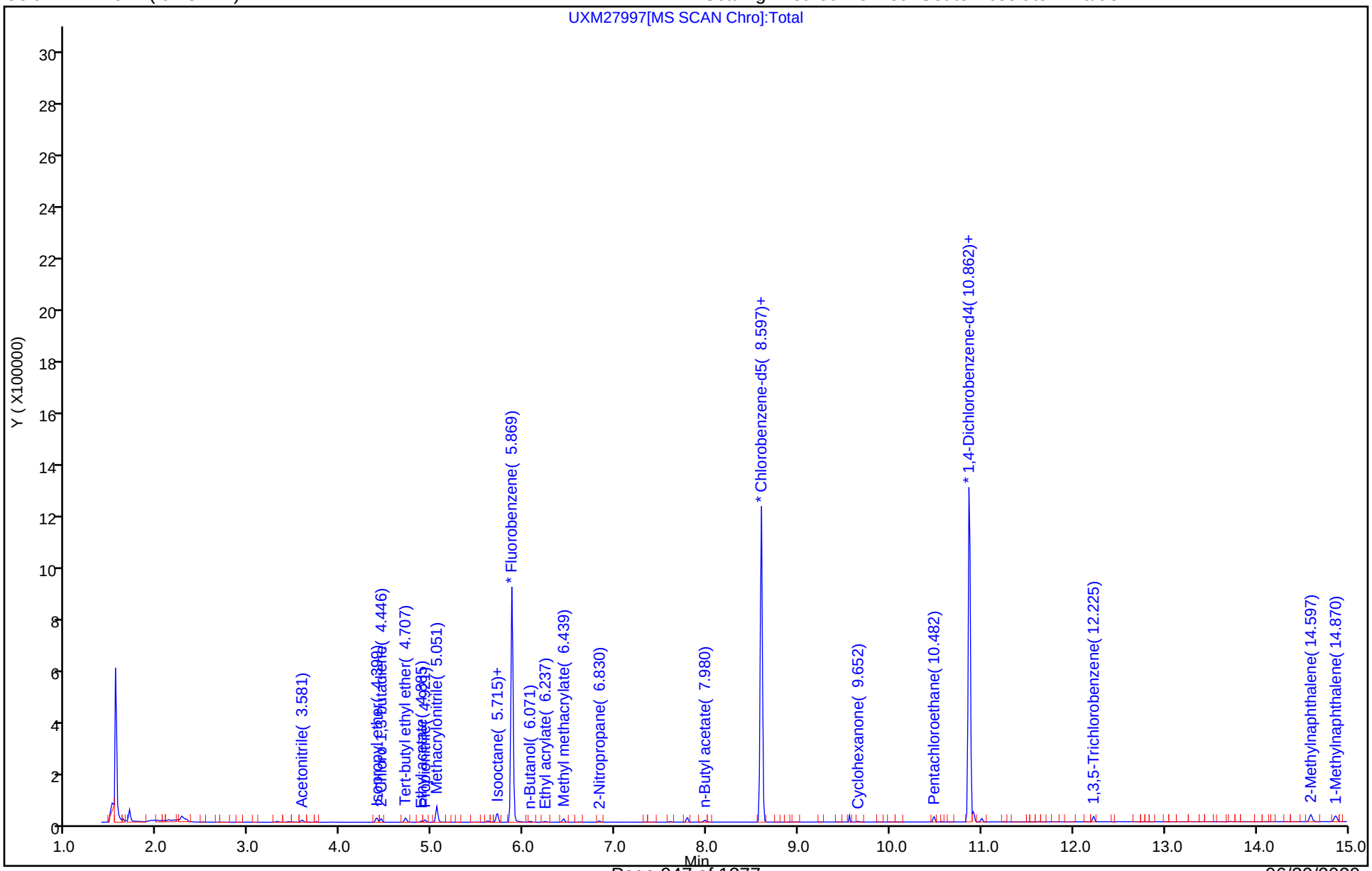
Report Date: 19-May-2020 09:15:20 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27997.D

Injection Date:	18-May-2020 15:56:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	stdA9 L1			Worklist Smp#:	24
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

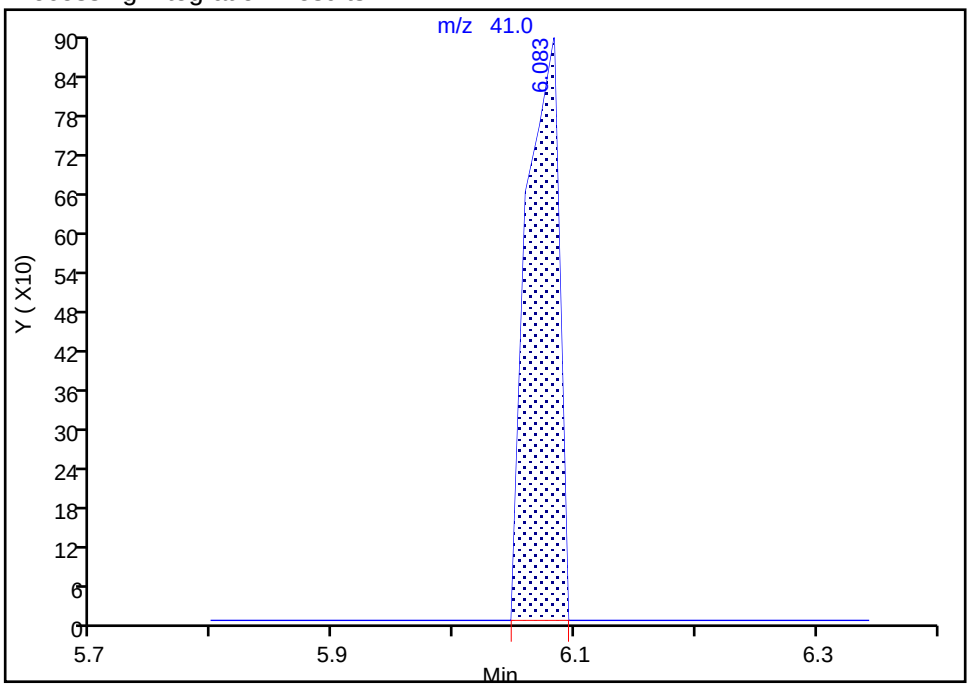
Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27997.D
Injection Date: 18-May-2020 15:56:30 Instrument ID: A3UX16
Lims ID: stdA9 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

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

Signal: 2

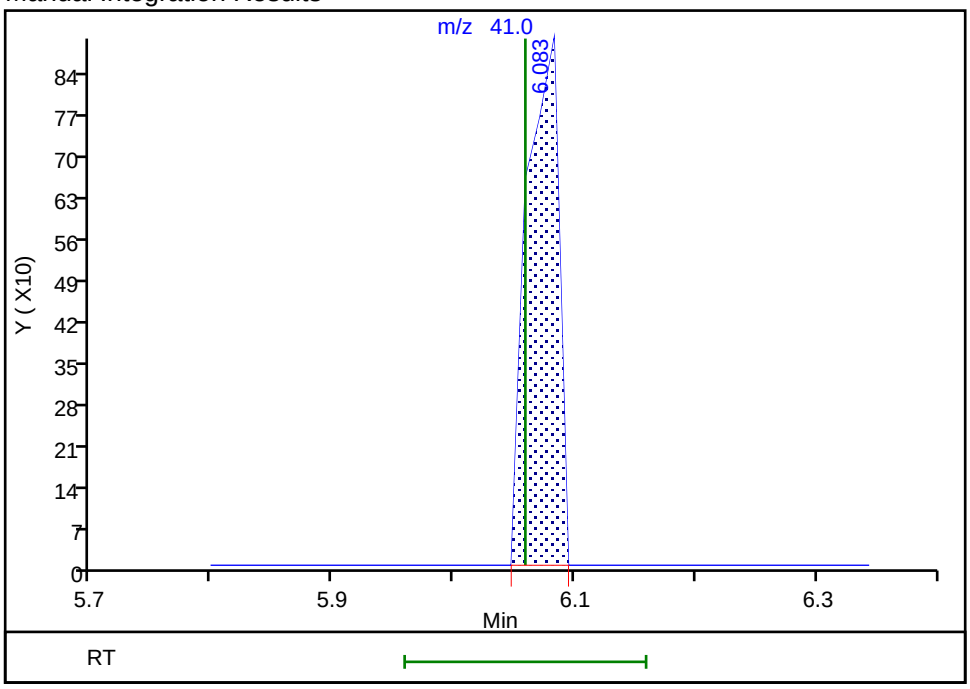
Processing Integration Results

RT: 6.08
Area: 1644
Amount: 11.011813
Amount Units: ug/l



Manual Integration Results

RT: 6.08
Area: 1644
Amount: 11.011813
Amount Units: ug/l



Reviewer: bosworthh, 19-May-2020 08:56:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

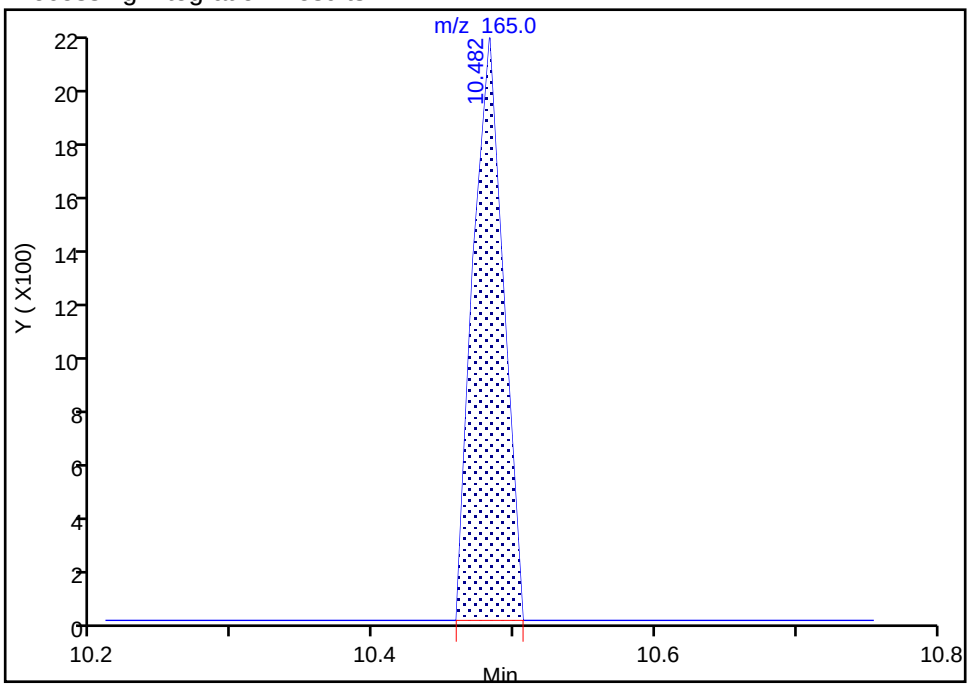
Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27997.D
Injection Date: 18-May-2020 15:56:30 Instrument ID: A3UX16
Lims ID: stdA9 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

103 Pentachloroethane, CAS: 76-01-7

Signal: 2

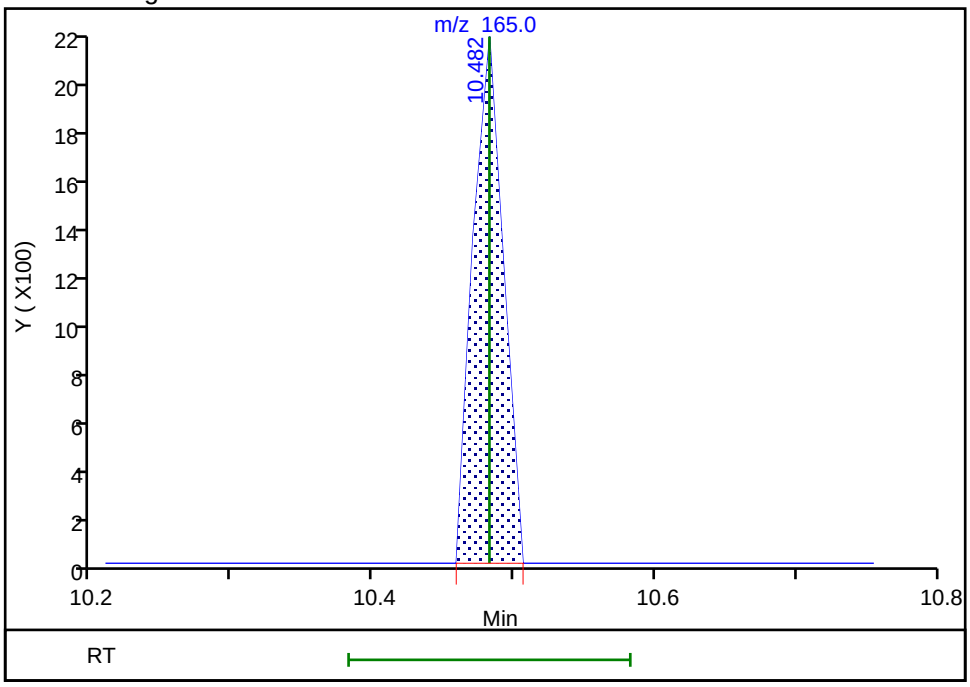
Processing Integration Results

RT: 10.48
Area: 3222
Amount: 1.277229
Amount Units: ug/l



Manual Integration Results

RT: 10.48
Area: 3222
Amount: 1.277229
Amount Units: ug/l



Reviewer: bosworthh, 19-May-2020 08:56:30
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

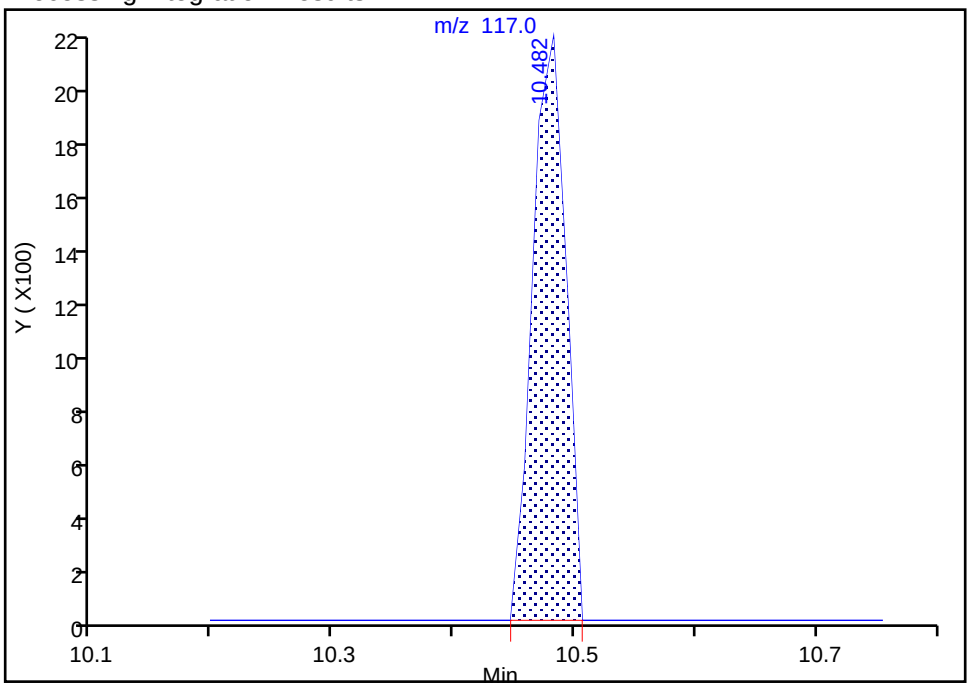
Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27997.D
Injection Date: 18-May-2020 15:56:30 Instrument ID: A3UX16
Lims ID: stdA9 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

103 Pentachloroethane, CAS: 76-01-7

Signal: 3

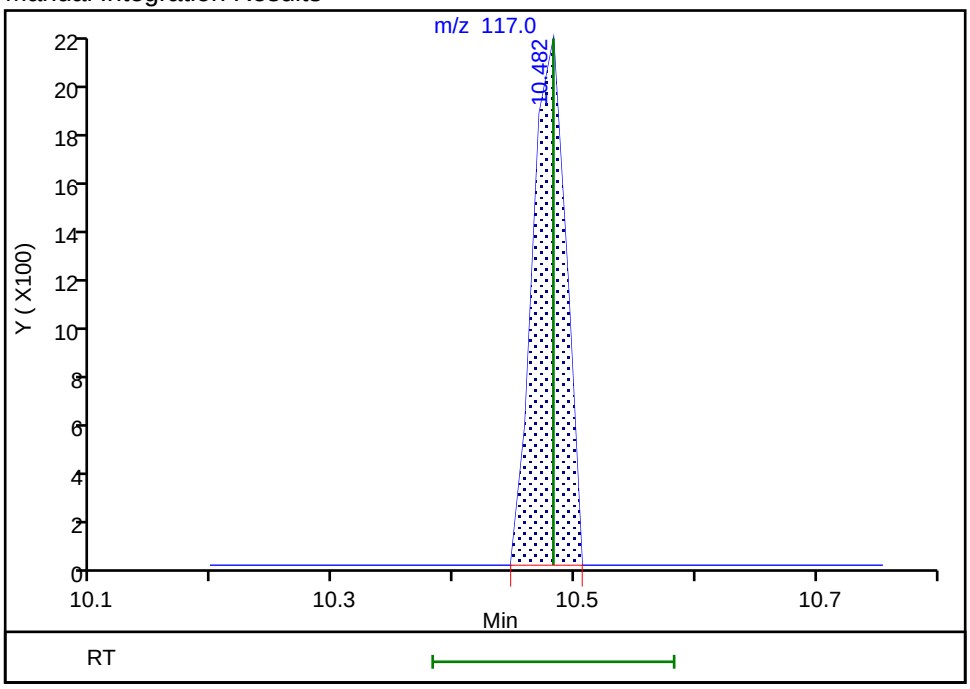
Processing Integration Results

RT: 10.48
Area: 4046
Amount: 1.277229
Amount Units: ug/l



Manual Integration Results

RT: 10.48
Area: 4046
Amount: 1.277229
Amount Units: ug/l



Reviewer: bosworthh, 19-May-2020 08:56:30
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

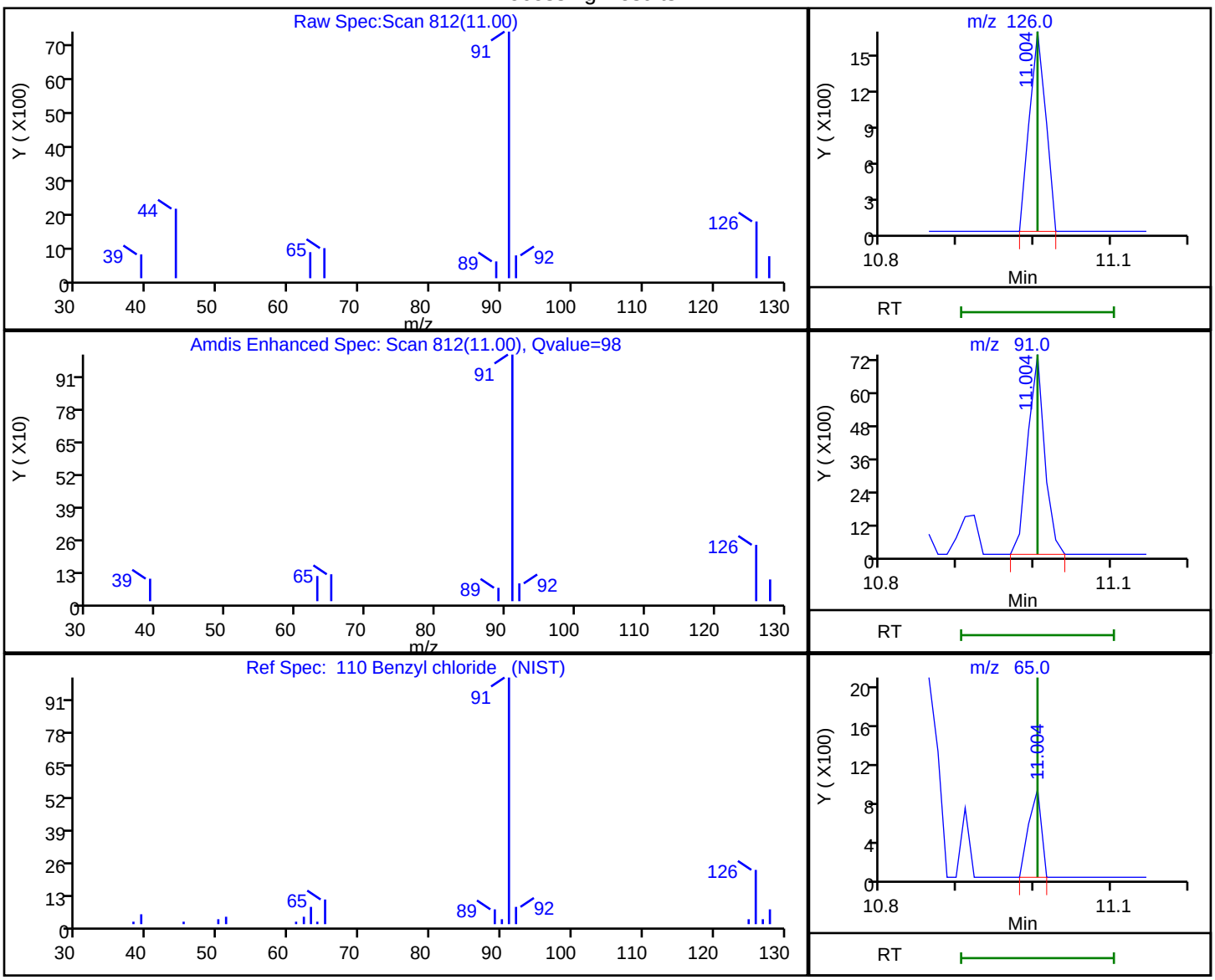
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27997.D				
Injection Date:	18-May-2020 15:56:30	Instrument ID:	A3UX16		
Lims ID:	stdA9 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

110 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
11.00	126.00	2497	0.408192
11.00	91.00	11314	
11.00	65.00	1026	

Reviewer: bosworthh, 19-May-2020 08:56:41

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, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-439793/15	UXM29202.D
Level 2	STD8260 240-439793/14	UXM29201.D
Level 3	STD8260 240-439793/13	UXM29200.D
Level 4	ICIS 240-439793/12	UXM29199.D
Level 5	STD8260 240-439793/11	UXM29198.D
Level 6	STD8260 240-439793/10	UXM29197.D
Level 7	STD8260 240-439793/9	UXM29196.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2060 0.2534	0.2048 0.2330	0.2474	0.2390	0.2598	Ave		0.2348			0.1000	9.3		20.0			
Chloromethane	0.3244 0.2942	0.2983 0.2697	0.3079	0.3023	0.3012	Ave		0.2997			0.1000	5.5		20.0			
Vinyl chloride	0.2579 0.3064	0.3034 0.2872	0.3188	0.3118	0.3132	Ave		0.2998			0.1000	7.0		20.0			
Butadiene	0.2457 0.2673	0.2610 0.2512	0.2740	0.2705	0.2756	Ave		0.2636				4.4		20.0			
Bromomethane	0.1847 +++++	0.1786 +++++	0.1486	0.1472	0.1275	Ave		0.1573			0.0500	15.1		20.0			
Chloroethane	0.1877 0.1871	0.1868 0.1721	0.1892	0.1852	0.1912	Ave		0.1856			0.0500	3.4		20.0			
Dichlorofluoromethane	0.3995 0.4348	0.4329 0.4094	0.4543	0.4466	0.4451	Ave		0.4318				4.7		20.0			
Trichlorofluoromethane	0.2645 0.3109	0.2886 +++++	0.3366	0.3270	0.3393	Ave		0.3111			0.1000	9.5		20.0			
Ethyl ether	0.1898 0.2074	0.2165 0.2027	0.2101	0.2076	0.2105	Ave		0.2064				4.1		20.0			
Acrolein	0.0200 0.0266	0.0274 0.0268	0.0271	0.0265	0.0273	Ave		0.0259				10.2		20.0			
1,1-Dichloroethene	0.2070 0.2255	0.2113 0.2103	0.2341	0.2300	0.2306	Ave		0.2212			0.1000	5.1		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	+++++ 0.1833	0.1408 0.1698	0.1850	0.1811	0.1896	Ave		0.1749			0.0500	10.3		20.0			
Acetone	+++++ 0.0236	0.0593 0.0243	0.0265	0.0240	0.0247	Lin1	0.0694	0.0234			0.0100	3.8			0.9990		0.9900
Iodomethane	+++++ 0.3236	0.3642 0.2702	0.3345	0.3275	0.3359	Ave		0.3260				9.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

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								
Carbon disulfide	0.7125 0.7195	0.7090 0.6871	0.7637	0.7553	0.7584	Ave		0.7294			0.1000	4.1		20.0			
Methyl acetate	0.2027 0.1806	0.1890 0.1911	0.1786	0.1781	0.1798	Ave		0.1857			0.1000	4.9		20.0			
3-Chloro-1-propene	0.4563 0.4102	0.4065 0.3709	0.4290	0.4205	0.4234	Ave		0.4167				6.2		20.0			
Methylene Chloride	0.3409 0.2595	0.3047 0.2452	0.2779	0.2739	0.2691	Ave		0.2816			0.1000	11.3		20.0			
tert-Butyl alcohol	0.0211 0.0237	0.0220 0.0258	0.0214	0.0217	0.0228	Ave		0.0227				7.3		20.0			
Acrylonitrile	0.0997 0.1030	0.0981 0.1071	0.1025	0.1012	0.1028	Ave		0.1020				2.8		20.0			
Methyl tert-butyl ether	0.5941 0.7234	0.6265 0.7205	0.6848	0.7029	0.7284	Ave		0.6829			0.1000	7.7		20.0			
trans-1,2-Dichloroethene	0.2276 0.2670	0.2596 0.2523	0.2770	0.2732	0.2756	Ave		0.2618			0.1000	6.7		20.0			
Hexane	+++++ 0.4310	0.2780 0.4247	0.3913	0.4051	0.4349	Ave		0.3942				15.0		20.0			
Vinyl acetate	0.2480 0.3568	0.2581 0.3403	0.3358	0.3481	0.3642	Ave		0.3216				14.9		20.0			
1,1-Dichloroethane	0.4357 0.4790	0.4521 0.4601	0.4989	0.4955	0.4937	Ave		0.4736			0.2000	5.2		20.0			
2-Butanone	+++++ 0.0322	0.0299 0.0336	0.0277	0.0297	0.0311	Ave		0.0307			0.0100	6.8		20.0			
cis-1,2-Dichloroethene	0.2909 0.2927	0.2705 0.2750	0.3010	0.2996	0.3021	Ave		0.2902			0.1000	4.4		20.0			
2,2-Dichloropropane	0.3371 0.3994	0.3728 0.3865	0.3974	0.4055	0.4141	Ave		0.3876				6.7		20.0			
Bromochloromethane	0.1162 0.1215	0.1220 0.1142	0.1353	0.1316	0.1269	Ave		0.1240				6.3		20.0			
Tetrahydrofuran	0.0790 0.0754	0.0769 0.0820	0.0724	0.0735	0.0751	Ave		0.0763				4.3		20.0			
Chloroform	0.4830 0.4422	0.4451 0.4193	0.4689	0.4582	0.4595	Ave		0.4537			0.2000	4.5		20.0			
1,1,1-Trichloroethane	0.3388 0.3805	0.3471 0.3598	0.3882	0.3882	0.3944	Ave		0.3710			0.1000	6.0		20.0			
Cyclohexane	0.3735 0.4997	0.3904 0.4830	0.4957	0.4953	0.5067	Ave		0.4635			0.1000	12.2		20.0			
1,1-Dichloropropene	0.3135 0.3910	0.3243 0.3785	0.3774	0.3905	0.4034	Ave		0.3684				9.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

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								
Carbon tetrachloride	0.2683 0.3170	0.2567 0.2986	0.3113	0.3221	0.3281	Ave		0.3003			0.1000	9.2		20.0			
Isobutyl alcohol	0.0061 0.0077	0.0064 0.0085	0.0070	0.0072	0.0074	Ave		0.0072				11.3		20.0			
Benzene	1.0171 1.1382	1.0372 1.0971	1.1410	1.1527	1.1760	Ave		1.1085			0.5000	5.5		20.0			
1,2-Dichloroethane	0.3358 0.3437	0.3415 0.3319	0.3559	0.3514	0.3521	Ave		0.3446			0.1000	2.6		20.0			
n-Heptane	+++++ 0.2377	0.8060 0.2340	0.2788	0.2493	0.2493	Lin1	0.5705	0.2280				3.1			1.0000		0.9900
Trichloroethene	0.2465 0.2850	0.2400 0.2678	0.2836	0.2879	0.2966	Ave		0.2725			0.1500	8.0		20.0			
Methylcyclohexane	+++++ 0.5229	0.3700 0.5059	0.4834	0.4958	0.5364	Ave		0.4857			0.1000	12.3		20.0			
1,2-Dichloropropane	0.2505 0.2770	0.2520 0.2676	0.2785	0.2851	0.2877	Ave		0.2712			0.1000	5.6		20.0			
1,4-Dioxane	0.0028 0.0033	0.0027 0.0033	0.0033	0.0032	0.0033	Ave		0.0032				8.3		20.0			
Dibromomethane	0.1377 0.1470	0.1395 0.1412	0.1480	0.1489	0.1497	Ave		0.1446				3.4		20.0			
Bromodichloromethane	0.3301 0.3318	0.3157 0.3173	0.3360	0.3341	0.3448	Ave		0.3300			0.1500	3.1		20.0			
2-Chloroethyl vinyl ether	+++++ 0.1808	0.1392 0.1811	0.1636	0.1708	0.1802	Ave		0.1693				9.6		20.0			
cis-1,3-Dichloropropene	0.3447 0.4533	0.3612 0.4372	0.4308	0.4461	0.4637	Ave		0.4196			0.1500	11.2		20.0			
4-Methyl-2-pentanone	0.1655 0.2294	0.1933 0.2445	0.2089	0.2171	0.2249	Ave		0.2119			0.0500	12.3		20.0			
Toluene	1.3497 1.5419	1.3536 1.5163	1.5123	1.5297	1.5975	Ave		1.4859			0.4000	6.5		20.0			
trans-1,3-Dichloropropene	0.3793 0.5302	0.3928 0.5319	0.4866	0.5177	0.5401	Ave		0.4827			0.1000	14.1		20.0			
Ethyl methacrylate	0.3057 0.4191	0.3101 0.4377	0.3885	0.4036	0.4211	Ave		0.3837				14.1		20.0			
1,1,2-Trichloroethane	0.2208 0.2896	0.2472 0.2875	0.2731	0.2819	0.2964	Ave		0.2709			0.1000	10.1		20.0			
Tetrachloroethene	0.2411 0.2918	0.2352 0.2842	0.2836	0.2893	0.3023	Ave		0.2754			0.1500	9.5		20.0			
1,3-Dichloropropane	0.4377 0.5508	0.4746 0.5545	0.5319	0.5496	0.5650	Ave		0.5234				9.2		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, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.1520 0.2066	0.1750 0.2291	0.1933	0.1995	0.2063	Ave		0.1945			0.0500	12.8		20.0			
Dibromochloromethane	0.2524 0.3096	0.2650 0.3028	0.2854	0.2976	0.3165	Ave		0.2899				8.2		20.0			
1,2-Dibromoethane	0.2162 0.2955	0.2350 0.2932	0.2776	0.2888	0.3011	Ave		0.2725				12.2		20.0			
Chlorobenzene	0.8572 0.9684	0.8857 0.9432	0.9676	0.9720	0.9994	Ave		0.9419			0.3000	5.5		20.0			
1,1,1,2-Tetrachloroethane	0.2216 0.3238	0.2536 0.3159	0.2975	0.3108	0.3314	Ave		0.2935				13.9		20.0			
Ethylbenzene	0.4528 0.5437	0.4531 0.5355	0.5372	0.5376	0.5621	Ave		0.5174				8.7		20.0			
m-Xylene & p-Xylene	0.5307 0.6765	0.5836 0.6572	0.6736	0.6789	0.6975	Ave		0.6426				9.6		20.0			
o-Xylene	0.5303 0.6469	0.5802 0.6235	0.6339	0.6425	0.6636	Ave		0.6173				7.5		20.0			
Styrene	0.8544 1.1222	0.8983 1.0859	1.0791	1.0994	1.1498	Ave		1.0413			0.3000	11.1		20.0			
Bromoform	+++++ 0.2018	0.1486 0.2030	0.1791	0.1900	0.2063	Ave		0.1881			0.1000	11.6		20.0			
Isopropylbenzene	1.3477 1.6978	1.3576 1.6461	1.6479	1.6765	1.7397	Ave		1.5876			0.1000	10.3		20.0			
1,1,2,2-Tetrachloroethane	0.6057 0.6936	0.6431 0.7234	0.6967	0.7032	0.7108	Ave		0.6824			0.3000	6.2		20.0			
Bromobenzene	0.6102 0.7136	0.6234 0.6934	0.7129	0.7150	0.7364	Ave		0.6864				7.2		20.0			
trans-1,4-Dichloro-2-butene	0.1512 0.2258	0.1942 0.2417	0.2136	0.2243	0.2266	Ave		0.2111				14.3		20.0			
1,2,3-Trichloropropane	0.1462 0.2251	0.2174 0.2270	0.2223	0.2223	0.2275	Ave		0.2125				13.9		20.0			
n-Propylbenzene	0.7497 0.9037	0.7406 0.8780	0.8926	0.9053	0.9318	Ave		0.8574				9.1		20.0			
2-Chlorotoluene	0.6270 0.7261	0.6794 0.7194	0.7305	0.7488	0.7597	Ave		0.7130				6.4		20.0			
1,3,5-Trimethylbenzene	2.0591 2.6288	2.1481 2.5531	2.5862	2.6331	2.6970	Ave		2.4722				10.4		20.0			
4-Chlorotoluene	0.6446 0.7692	0.7027 0.7500	0.7554	0.7757	0.7933	Ave		0.7416				6.9		20.0			
tert-Butylbenzene	1.7970 2.2954	1.9617 2.2300	2.2646	2.2687	2.3509	Ave		2.1669				9.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.1023 2.6329	2.1426 2.5622	2.5881	2.6266	2.6821	Ave		2.4767				9.9		20.0			
sec-Butylbenzene	2.7151 3.5014	2.9342 3.3849	3.4249	3.4504	3.5487	Ave		3.2799				9.8		20.0			
1,3-Dichlorobenzene	1.2662 1.3959	1.2793 1.3642	1.3867	1.4004	1.4365	Ave		1.3613			0.6000	4.7		20.0			
p-Isopropyltoluene	2.1357 2.9669	2.4049 2.8569	2.8635	2.9126	2.9918	Ave		2.7332				12.0		20.0			
1,4-Dichlorobenzene	1.2080 1.4086	1.2910 1.3679	1.3797	1.4189	1.4398	Ave		1.3591			0.5000	6.0		20.0			
n-Butylbenzene	2.0948 2.7117	2.2360 2.6502	2.6653	2.6713	2.7715	Ave		2.5430				10.4		20.0			
1,2-Dichlorobenzene	1.2111 1.2917	1.2319 1.2664	1.2958	1.3098	1.3254	Ave		1.2760			0.4000	3.3		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1507	0.1241 0.1572	0.1444	0.1452	0.1494	Ave		0.1452			0.0500	7.8		20.0			
1,2,4-Trichlorobenzene	0.6920 0.8167	0.7811 0.7747	0.7550	0.7933	0.8132	Ave		0.7751			0.2000	5.5		20.0			
Hexachlorobutadiene	0.2510 0.3910	0.3381 0.3737	0.3841	0.3884	0.4007	Ave		0.3610				14.5		20.0			
Naphthalene	1.8775 2.1398	2.0381 2.1068	2.0431	2.0990	2.1428	Ave		2.0639				4.5		20.0			
1,2,3-Trichlorobenzene	0.5904 0.7018	0.6621 0.6702	0.6861	0.6892	0.7037	Ave		0.6719				5.8		20.0			
Dibromofluoromethane (Surr)	0.2282 0.2335	0.2267 0.2167	0.2412	0.2376	0.2412	Ave		0.2321				3.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2627 0.2859	0.2808 0.2667	0.3021	0.2869	0.2931	Ave		0.2826				4.9		20.0			
Toluene-d8 (Surr)	+++++ 1.3013	1.0735 1.2613	1.2825	1.2833	1.3455	Ave		1.2579				7.5		20.0			
4-Bromofluorobenzene (Surr)	+++++ 0.4739	0.4202 0.4556	0.4694	0.4703	0.4854	Ave		0.4625				4.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-439793/15	UXM29202.D
Level 2	STD8260 240-439793/14	UXM29201.D
Level 3	STD8260 240-439793/13	UXM29200.D
Level 4	ICIS 240-439793/12	UXM29199.D
Level 5	STD8260 240-439793/11	UXM29198.D
Level 6	STD8260 240-439793/10	UXM29197.D
Level 7	STD8260 240-439793/9	UXM29196.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	5091 867553	10354 1122930	131230	260688	580223	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloromethane	FB	Ave	8018 1007399	15080 1299579	163298	329740	672662	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl chloride	FB	Ave	6374 1048989	15338 1383710	169106	340086	699444	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Butadiene	FB	Ave	6072 915327	13190 1210494	145311	295050	615392	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromomethane	FB	Ave	4565 +++++	9028 +++++	78799	160580	284823	0.500 +++++	1.00 +++++	10.0	20.0	40.0
Chloroethane	FB	Ave	4640 640531	9444 829431	100341	202057	426864	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dichlorofluoromethane	FB	Ave	9873 1488749	21879 1972941	240990	487180	993876	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Trichlorofluoromethane	FB	Ave	6537 1064426	14586 +++++	178518	356705	757724	0.500 60.0	1.00 +++++	10.0	20.0	40.0
Ethyl ether	FB	Ave	4692 710066	10942 976672	111442	226431	470103	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acrolein	FB	Ave	2472 455076	6919 645268	71792	144395	304511	2.50 300	5.00 400	50.0	100	200
1,1-Dichloroethene	FB	Ave	5115 772121	10679 1013403	124161	250828	514923	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	+++++ 627676	7115 818179	98122	197579	423333	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Acetone	FB	Lin1	+++++ 161936	5993 233910	28076	52405	110155	+++++ 120	2.00 160	20.0	40.0	80.0
Iodomethane	FB	Ave	+++++ 1107958	18411 1301964	177417	357246	750001	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Carbon disulfide	FB	Ave	17608 2463652	35838 3310970	405075	823878	1693505	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

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
Methyl acetate	FB	Ave	10020 1236687	19102 1841657	189507	388468	803043	1.00 120	2.00 160	20.0	40.0	80.0
3-Chloro-1-propene	FB	Ave	11278 1404409	20549 1787382	227548	458627	945455	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methylene Chloride	FB	Ave	8424 888696	15402 1181459	147425	298812	600821	0.500 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butyl alcohol	FB	Ave	5215 810248	11114 1244886	113772	237151	510251	5.00 600	10.0 800	100	200	400
Acrylonitrile	FB	Ave	24645 3526375	49565 5160398	543464	1103964	2295412	5.00 600	10.0 800	100	200	400
Methyl tert-butyl ether	FB	Ave	14682 2477108	31669 3471769	363244	766715	1626500	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,2-Dichloroethene	FB	Ave	5624 914147	13122 1215929	146914	298017	615515	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexane	FB	Ave	+++++ 1475705	14052 2046433	207563	441851	971109	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl acetate	FB	Ave	6129 1221854	13045 1639550	178122	379738	813218	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloroethane	FB	Ave	10767 1640084	22854 2217046	264630	540425	1102491	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Butanone	FB	Ave	+++++ 220598	3021 324253	29369	64795	138939	+++++ 120	2.00 160	20.0	40.0	80.0
cis-1,2-Dichloroethene	FB	Ave	7189 1002099	13671 1325310	159638	326800	674509	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2,2-Dichloropropane	FB	Ave	8332 1367547	18843 1862377	210799	442274	924835	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromochloromethane	FB	Ave	2872 416084	6169 550049	71782	143502	283304	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrahydrofuran	FB	Ave	3903 516331	7778 790660	76820	160432	335414	1.00 120	2.00 160	20.0	40.0	80.0
Chloroform	FB	Ave	11938 1514229	22498 2020245	248720	499815	1026033	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1-Trichloroethane	FB	Ave	8373 1302954	17546 1733861	205894	423403	880725	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Cyclohexane	FB	Ave	9232 1711154	19731 2327631	262919	540209	1131543	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloropropene	FB	Ave	7749 1338948	16390 1823649	200176	425941	900805	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon tetrachloride	FB	Ave	6631 1085251	12976 1438881	165134	351384	732746	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isobutyl alcohol	FB	Ave	3778 655252	8050 1028999	92168	195274	412287	12.5 1500	25.0 2000	250	500	1000

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

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
Benzene	FB	Ave	25138 3897102	52426 5286741	605189	1257350	2626029	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane	FB	Ave	8299 1176667	17263 1599178	188779	383252	786212	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Heptane	FB	Lin1	+++++ 813793	40740 1127752	147907	271920	556819	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Trichloroethene	FB	Ave	6092 975840	12129 1290662	150452	314071	662239	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	+++++ 1790385	18704 2437977	256432	540758	1197764	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloropropane	FB	Ave	6191 948571	12739 1289599	147743	310923	642483	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,4-Dioxane	FB	Ave	1397 227064	2753 321157	35004	70444	148718	10.0 1200	20.0 1600	200	400	800
Dibromomethane	FB	Ave	3402 503379	7051 680227	78529	162413	334315	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromodichloromethane	FB	Ave	8158 1136238	15958 1528878	178211	364406	769870	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 1238381	14077 1745706	173603	372659	804637	+++++ 120	2.00 160	20.0	40.0	80.0
cis-1,3-Dichloropropene	FB	Ave	8519 1551987	18255 2106821	228483	486640	1035465	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Methyl-2-pentanone	FB	Ave	8178 1570707	19538 2355919	221582	473635	1004550	1.00 120	2.00 160	20.0	40.0	80.0
Toluene	CBNZ d5	Ave	27702 4060070	55666 5462807	628513	1292759	2736607	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	7785 1396106	16155 1916205	202217	437495	925224	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl methacrylate	CBNZ d5	Ave	6274 1103650	12751 1577020	161455	341106	721275	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloroethane	CBNZ d5	Ave	4532 762512	10165 1035926	113496	238270	507706	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrachloroethene	CBNZ d5	Ave	4948 768410	9672 1023854	117849	244506	517816	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichloropropane	CBNZ d5	Ave	8984 1450233	19516 1997824	221065	464475	967841	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Hexanone	CBNZ d5	Ave	6241 1088092	14390 1650737	160647	337233	706635	1.00 120	2.00 160	20.0	40.0	80.0
Dibromochloromethane	CBNZ d5	Ave	5181 815216	10899 1090711	118615	251502	542126	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromoethane	CBNZ d5	Ave	4438 778183	9664 1056391	115351	244087	515866	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

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
Chlorobenzene	CBNZ d5	Ave	17594 2549862	36424 3397914	402133	821426	1712035	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	4549 852719	10431 1138000	123648	262687	567651	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethylbenzene	CBNZ d5	Ave	9293 1431518	18633 1929191	223253	454302	962905	0.500 60.0	1.00 80.0	10.0	20.0	40.0
m-Xylene & p-Xylene	CBNZ d5	Ave	10892 1781385	24002 2367809	279939	573719	1194807	0.500 60.0	1.00 80.0	10.0	20.0	40.0
o-Xylene	CBNZ d5	Ave	10884 1703394	23859 2246264	263432	542988	1136741	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Styrene	CBNZ d5	Ave	17536 2954966	36943 3912060	448451	929132	1969564	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromoform	CBNZ d5	Ave	+++++ 531442	6113 731357	74423	160571	353463	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Isopropylbenzene	CBNZ d5	Ave	27660 4470487	55829 5930097	684850	1416846	2980139	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	6508 982415	13831 1391550	153319	315280	655863	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromobenzene	DCBd 4	Ave	6557 1010659	13407 1333833	156880	320543	679485	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	1625 319849	4177 464990	47010	100556	209097	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichloropropane	DCBd 4	Ave	1571 318884	4675 436622	48914	99652	209961	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Propylbenzene	DCBd 4	Ave	8056 1279936	15927 1688886	196408	405880	859843	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chlorotoluene	DCBd 4	Ave	6737 1028394	14611 1383843	160736	335722	700979	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	22126 3723379	46198 4911300	569091	1180500	2488640	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Chlorotoluene	DCBd 4	Ave	6927 1089496	15113 1442777	166216	347766	732034	0.500 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butylbenzene	DCBd 4	Ave	19309 3251164	42188 4289646	498324	1017132	2169299	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	22590 3729148	46079 4928725	569510	1177597	2474867	0.500 60.0	1.00 80.0	10.0	20.0	40.0
sec-Butylbenzene	DCBd 4	Ave	29175 4959223	63102 6511452	753642	1546945	3274541	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCBd 4	Ave	13606 1977146	27512 2624230	305145	627848	1325539	0.500 60.0	1.00 80.0	10.0	20.0	40.0
p-Isopropyltoluene	DCBd 4	Ave	22949 4202110	51720 5495760	630124	1305800	2760680	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

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
1,4-Dichlorobenzene	DCBd 4	Ave	12980 1995080	27765 2631420	303610	636137	1328610	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Butylbenzene	DCBd 4	Ave	22510 3840736	48087 5098039	586498	1197652	2557423	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCBd 4	Ave	13014 1829565	26494 2436106	285133	587209	1222967	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 213428	2669 302448	31786	65116	137847	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	7436 1156764	16798 1490298	166144	355649	750378	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	DCBd 4	Ave	2697 553793	7271 718811	84522	174152	369714	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Naphthalene	DCBd 4	Ave	20175 3030750	43831 4052750	449577	941033	1977298	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	6344 994013	14240 1289238	150982	308993	649318	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromofluoromethane (Surr)	FB	Ave	5641 799380	11457 1044082	127943	259132	538563	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	6493 979070	14192 1285215	160219	312959	654581	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Toluene-d8 (Surr)	CBNZ d5	Ave	+++++ 3426463	44146 4543956	532995	1084530	2304949	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	+++++ 1247940	17279 1641474	195087	397425	831573	+++++ 60.0	1.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 439793

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2020 09:52 Calibration End Date: 06/24/2020 12:17 Calibration ID: 57501

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-439793/15	UXM29202.D
Level 2	STD8260 240-439793/14	UXM29201.D
Level 3	STD8260 240-439793/13	UXM29200.D
Level 4	ICIS 240-439793/12	UXM29199.D
Level 5	STD8260 240-439793/11	UXM29198.D
Level 6	STD8260 240-439793/10	UXM29197.D
Level 7	STD8260 240-439793/9	UXM29196.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Acetone	+++++	4.9						50				
n-Heptane	+++++	3.3						50				

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29196.D
Lims ID: std8260 L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 24-Jun-2020 09:52:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099464-009
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Jun-2020 13:01:34 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1005

First Level Reviewer: bosworthh Date: 24-Jun-2020 10:49:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1204658	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	85	900651	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	95	480912	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	1044082	80.0	74.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.596	0.001	98	1285215	80.0	75.5	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	4543956	80.0	80.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	1641474	80.0	78.8	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	99	1122930	80.0	79.4	
10 Chloromethane	50	1.909	1.908	0.001	99	1299579	80.0	72.0	
11 Vinyl chloride	62	2.027	2.027	0.000	98	1383710	80.0	76.6	
12 Butadiene	54	2.075	2.074	0.001	97	1210494	80.0	76.2	
13 Bromomethane	94		2.371				ND	ND	U
14 Chloroethane	64	2.478	2.489	-0.011	99	829431	80.0	74.2	
15 Dichlorofluoromethane	67	2.715	2.727	-0.012	98	1972941	80.0	75.9	
16 Trichlorofluoromethane	101		2.750				ND	ND	U
17 Ethyl ether	59	3.035	3.035	0.000	90	976672	80.0	78.6	
18 Acrolein	56	3.166	3.165	0.001	99	645268	400.0	413.0	
19 1,1-Dichloroethene	96	3.260	3.260	0.000	97	1013403	80.0	76.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.272	3.272	0.000	95	818179	80.0	77.7	
21 Acetone	58	3.308	3.308	0.000	100	233910	160.0	162.8	
23 Iodomethane	142	3.403	3.414	-0.011	97	1301964	80.0	66.3	
24 Carbon disulfide	76	3.474	3.474	0.000	99	3310970	80.0	75.4	
27 Methyl acetate	43	3.593	3.604	-0.012	98	1841657	160.0	164.7	
26 3-Chloro-1-propene	41	3.604	3.616	-0.012	92	1787382	80.0	71.2	
28 Methylene Chloride	84	3.735	3.735	0.000	93	1181459	80.0	69.7	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	99	1244886	800.0	912.0	
30 Acrylonitrile	53	3.948	3.948	0.000	99	5160398	800.0	839.6	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	95	3471769	80.0	84.4	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	98	1215929	80.0	77.1	
33 Hexane	57	4.221	4.221	0.000	91	2046433	80.0	86.2	
35 Vinyl acetate	43	4.363	4.363	0.000	97	1639550	80.0	84.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	2217046	80.0	77.7	
40 2-Butanone (MEK)	72	4.861	4.861	0.000	100	324253	160.0	175.3	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	83	1325310	80.0	75.8	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	87	1862377	80.0	79.8	
46 Tetrahydrofuran	42	5.087	5.087	0.001	88	790660	160.0	171.9	
45 Chlorobromomethane	128	5.087	5.087	0.001	97	550049	80.0	73.7	
47 Chloroform	83	5.158	5.158	0.000	94	2020245	80.0	73.9	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	99	1733861	80.0	77.6	
49 Cyclohexane	56	5.371	5.371	0.000	89	2327631	80.0	83.4	
51 Carbon tetrachloride	117	5.442	5.442	0.000	79	1438881	80.0	79.5	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	96	1823649	80.0	82.2	
52 Isobutyl alcohol	41	5.502	5.502	0.000	95	1028999	2000.0	2383.2	
54 Benzene	78	5.620	5.620	0.000	96	5286741	80.0	79.2	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	97	1599178	80.0	77.0	
56 n-Heptane	57	5.846	5.845	0.001	92	1127752	80.0	79.6	
58 Trichloroethene	130	6.178	6.177	0.001	98	1290662	80.0	78.6	
60 Methylcyclohexane	83	6.391	6.391	0.000	91	2437977	80.0	83.3	
61 1,2-Dichloropropane	63	6.415	6.415	0.000	95	1289599	80.0	78.9	
64 1,4-Dioxane	88	6.462	6.462	0.000	93	321157	1600.0	1692.2	
63 Dibromomethane	93	6.486	6.486	0.000	96	680227	80.0	78.1	
65 Dichlorobromomethane	83	6.628	6.628	0.000	99	1528878	80.0	76.9	
67 2-Chloroethyl vinyl ether	63	6.865	6.865	0.000	92	1745706	160.0	171.2	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	95	2106821	80.0	83.4	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	96	2355919	160.0	184.6	
70 Toluene	91	7.316	7.316	0.000	98	5462807	80.0	81.6	
71 trans-1,3-Dichloropropene	75	7.518	7.517	0.001	95	1916205	80.0	88.2	
72 Ethyl methacrylate	69	7.541	7.541	0.000	90	1577020	80.0	91.3	
73 1,1,2-Trichloroethane	97	7.696	7.695	0.001	91	1035926	80.0	84.9	
75 Tetrachloroethene	164	7.790	7.790	0.000	99	1023854	80.0	82.6	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	88	1997824	80.0	84.8	
76 2-Hexanone	43	7.885	7.885	0.000	94	1650737	160.0	188.4	
78 Chlorodibromomethane	129	8.051	8.051	0.000	90	1090711	80.0	83.5	
80 Ethylene Dibromide	107	8.170	8.170	0.000	98	1056391	80.0	86.1	
82 Chlorobenzene	112	8.621	8.620	0.000	94	3397914	80.0	80.1	
83 1,1,1,2-Tetrachloroethane	131	8.704	8.703	0.001	93	1138000	80.0	86.1	
84 Ethylbenzene	106	8.704	8.703	0.001	98	1929191	80.0	82.8	
85 m-Xylene & p-Xylene	106	8.822	8.822	0.000	97	2367809	80.0	81.8	
86 o-Xylene	106	9.202	9.201	0.001	96	2246264	80.0	80.8	
87 Styrene	104	9.213	9.213	0.000	94	3912060	80.0	83.4	
88 Bromoform	173	9.403	9.403	0.000	99	731357	80.0	86.3	
89 Isopropylbenzene	105	9.545	9.545	0.000	96	5930097	80.0	82.9	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	94	1391550	80.0	84.8	
93 Bromobenzene	156	9.866	9.865	0.001	96	1333833	80.0	80.8	
94 trans-1,4-Dichloro-2-butene	53	9.878	9.877	0.001	87	464990	80.0	91.6	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	78	436622	80.0	85.4	
96 N-Propylbenzene	120	9.961	9.948	0.013	99	1688886	80.0	81.9	
97 2-Chlorotoluene	126	10.055	10.055	0.000	97	1383843	80.0	80.7	
99 1,3,5-Trimethylbenzene	105	10.127	10.126	0.001	94	4911300	80.0	82.6	
100 4-Chlorotoluene	126	10.174	10.174	0.000	97	1442777	80.0	80.9	
102 tert-Butylbenzene	119	10.447	10.447	0.000	93	4289646	80.0	82.3	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	96	4928725	80.0	82.8	
105 sec-Butylbenzene	105	10.660	10.660	0.000	94	6511452	80.0	82.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.791	10.790	0.001	98	2624230	80.0	80.2	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	5495760	80.0	83.6	
108 1,4-Dichlorobenzene	146	10.897	10.885	0.012	96	2631420	80.0	80.5	
111 n-Butylbenzene	91	11.218	11.217	0.001	97	5098039	80.0	83.4	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	97	2436106	80.0	79.4	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	87	302448	80.0	86.6	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	94	1490298	80.0	80.0	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	97	718811	80.0	82.8	
117 Naphthalene	128	13.150	13.150	0.000	97	4052750	80.0	81.7	
118 1,2,3-Trichlorobenzene	180	13.399	13.399	0.000	95	1289238	80.0	79.8	
S 158 Total BTEX	1				0		400.0	406.3	
S 134 Trihalomethanes, Total	1				0		320.0	320.7	
S 131 1,2-Dichloroethene, Total	96				0			152.9	
S 132 1,3-Dichloropropene, Total	75				0			171.5	
S 133 Xylenes, Total	106				0		160.0	162.6	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

vmrgas_00344	Amount Added:	64.00	Units: uL
vmarolistdw_00349	Amount Added:	64.00	Units: uL
vmrprimw_00391	Amount Added:	64.00	Units: uL
vm50ss_00408	Amount Added:	64.00	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

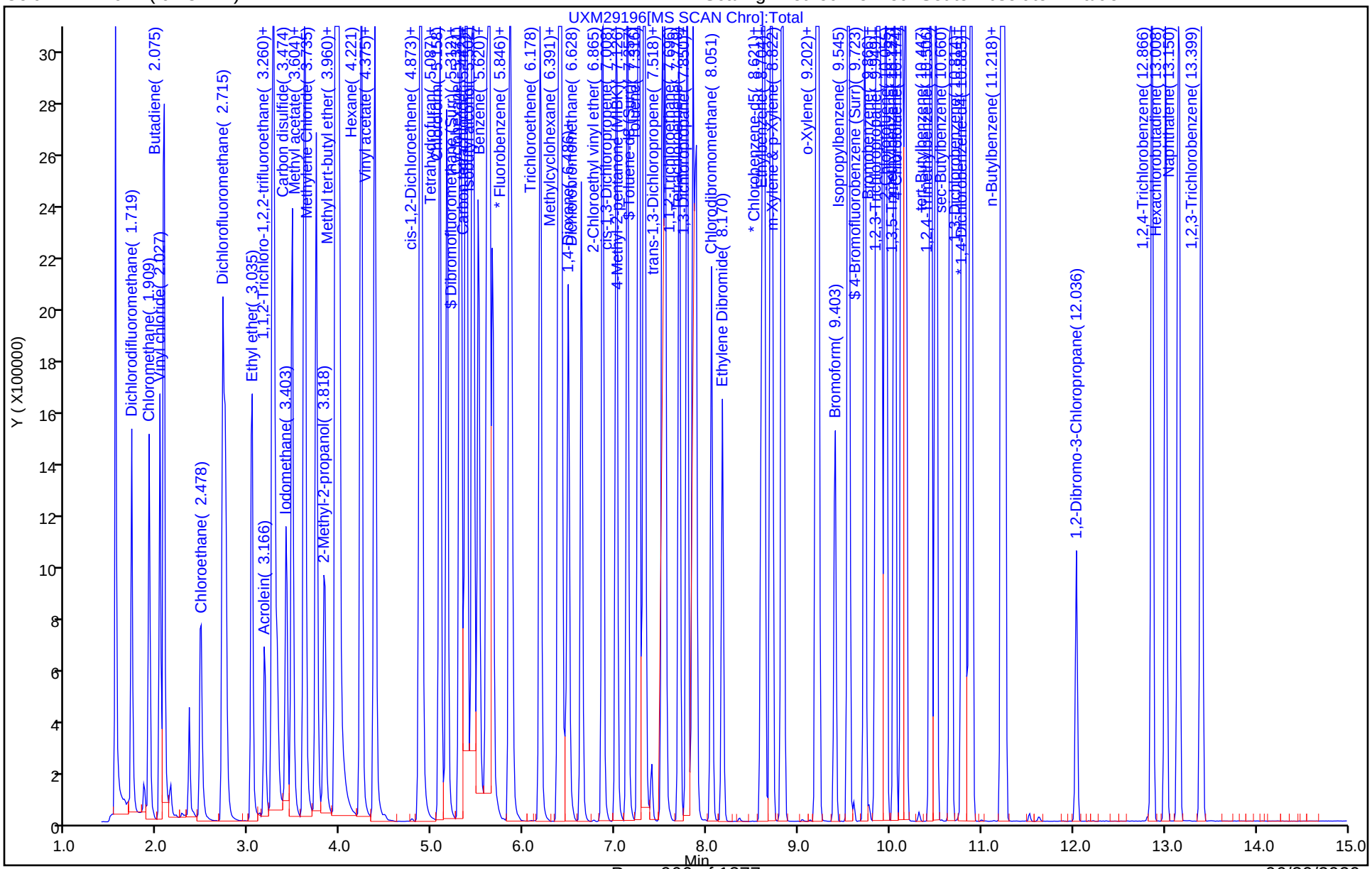
Report Date: 24-Jun-2020 13:01:36 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29196.D

Injection Date:	24-Jun-2020 09:52:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L7			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



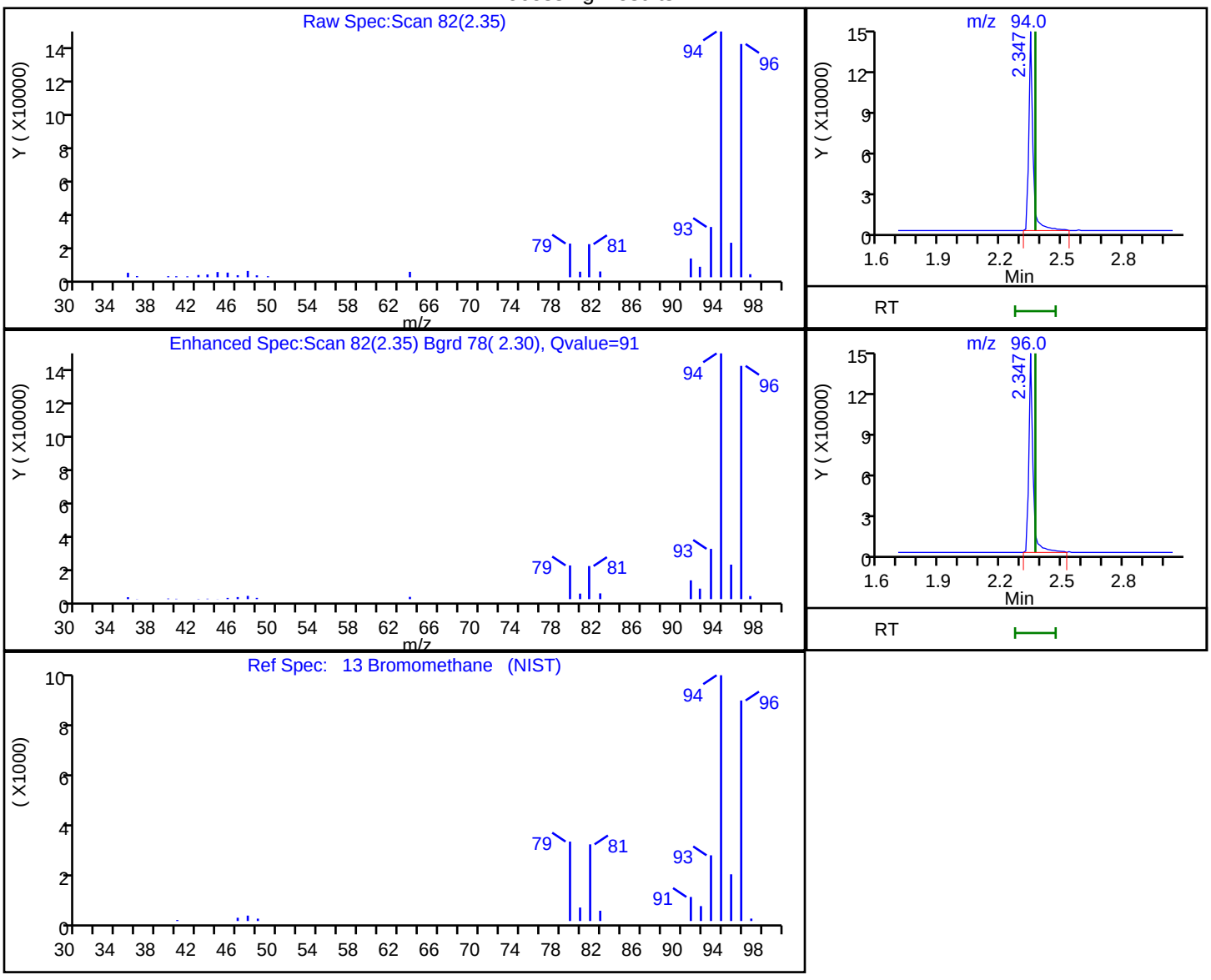
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29196.D				
Injection Date:	24-Jun-2020 09:52:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L7				
Client ID:					
Operator ID:	001765	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

13 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.35	94.00	210662	53.453747
2.35	96.00	200358	

Reviewer: bosworthh, 24-Jun-2020 10:48:32

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

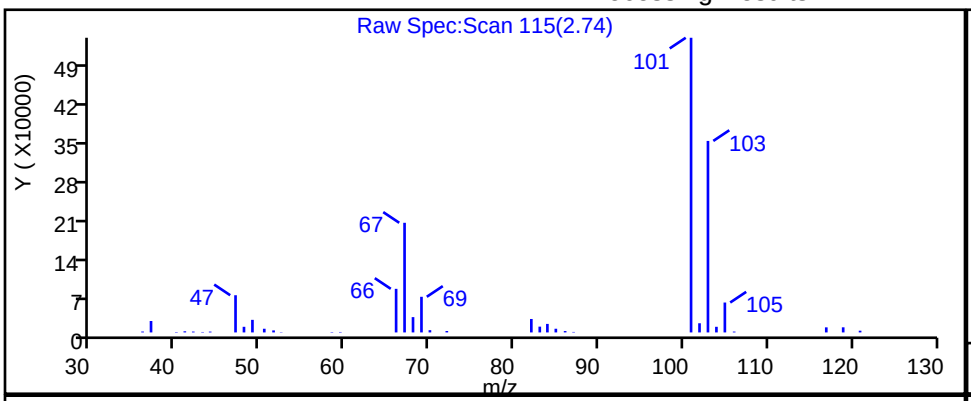
User Disabled Compound Report

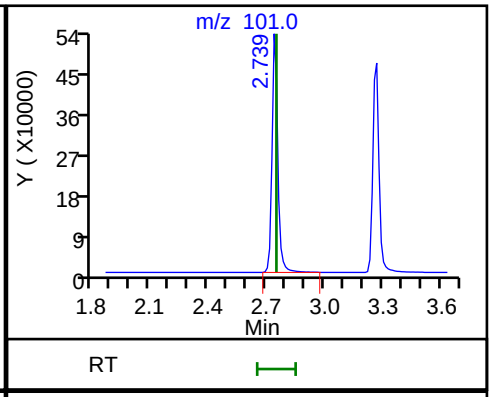
Eurofins TestAmerica, Canton

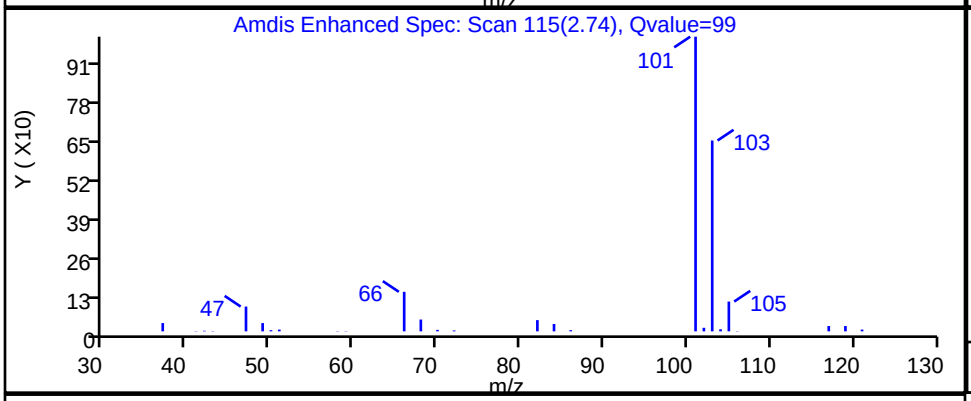
Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29196.D
Injection Date: 24-Jun-2020 09:52:30 Instrument ID: A3UX16
Lims ID: std8260 L7
Client ID:
Operator ID: 001765 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

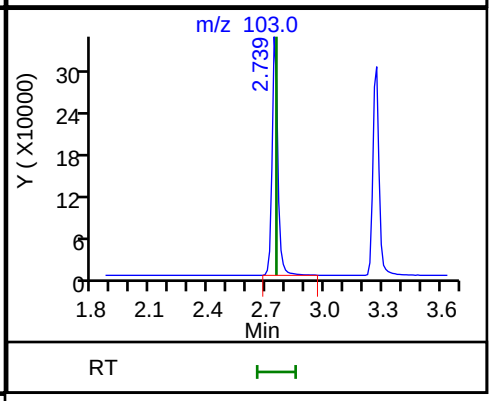
16 Trichlorofluoromethane, CAS: 75-69-4

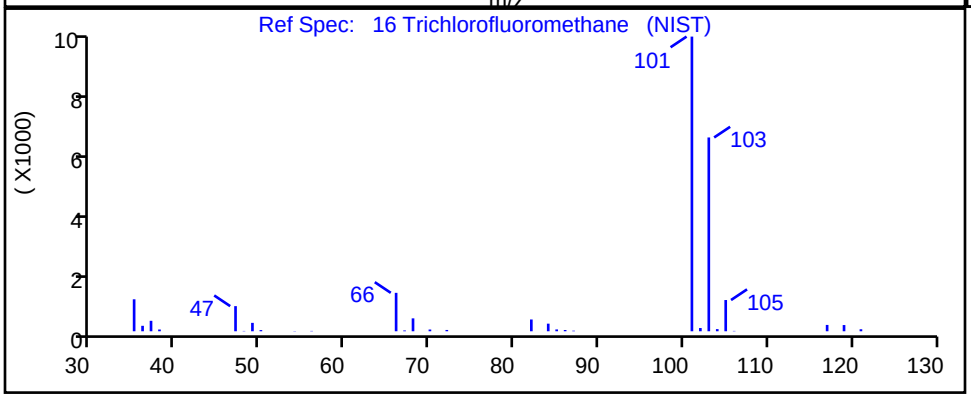
Processing Results











RT	Mass	Response	Amount
2.74	101.00	1121624	62.083191
2.74	103.00	727741	

Reviewer: bosworthh, 24-Jun-2020 12:40:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29197.D
Lims ID: std8260 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 24-Jun-2020 10:16:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099464-010
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Jun-2020 13:01:44 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1005

First Level Reviewer: bosworthh Date: 24-Jun-2020 11:07:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1141342	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	85	877715	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	94	472118	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	799380	60.0	60.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.596	0.001	98	979070	60.0	60.7	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	3426463	60.0	62.1	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	89	1247940	60.0	61.5	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	99	867553	60.0	64.8	
10 Chloromethane	50	1.909	1.908	0.001	99	1007399	60.0	58.9	
11 Vinyl chloride	62	2.027	2.027	0.000	98	1048989	60.0	61.3	
12 Butadiene	54	2.063	2.074	-0.011	97	915327	60.0	60.8	
13 Bromomethane	94		2.371				ND	ND	U
14 Chloroethane	64	2.478	2.489	-0.011	99	640531	60.0	60.5	
15 Dichlorofluoromethane	67	2.715	2.727	-0.012	97	1488749	60.0	60.4	
16 Trichlorofluoromethane	101	2.739	2.750	-0.011	99	1064426	60.0	59.9	
17 Ethyl ether	59	3.035	3.035	0.000	90	710066	60.0	60.3	
18 Acrolein	56	3.166	3.165	0.001	99	455076	300.0	307.4	
19 1,1-Dichloroethene	96	3.260	3.260	0.000	98	772121	60.0	61.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.272	3.272	0.000	94	627676	60.0	62.9	
21 Acetone	58	3.308	3.308	0.000	100	161936	120.0	118.2	
23 Iodomethane	142	3.403	3.414	-0.011	97	1107958	60.0	59.6	
24 Carbon disulfide	76	3.474	3.474	0.000	99	2463652	60.0	59.2	
27 Methyl acetate	43	3.592	3.604	-0.012	97	1236687	120.0	116.7	
26 3-Chloro-1-propene	41	3.604	3.616	-0.012	92	1404409	60.0	59.1	
28 Methylene Chloride	84	3.735	3.735	0.000	93	888696	60.0	55.3	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	99	810248	600.0	626.5	
30 Acrylonitrile	53	3.948	3.948	0.000	99	3526375	600.0	605.5	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	95	2477108	60.0	63.6	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	99	914147	60.0	61.2	
33 Hexane	57	4.221	4.221	0.000	90	1475705	60.0	65.6	
35 Vinyl acetate	43	4.363	4.363	0.000	97	1221854	60.0	66.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	1640084	60.0	60.7	
40 2-Butanone (MEK)	72	4.861	4.861	0.000	99	220598	120.0	125.9	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	82	1002099	60.0	60.5	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	89	1367547	60.0	61.8	
46 Tetrahydrofuran	42	5.087	5.087	0.001	88	516331	120.0	118.5	
45 Chlorobromomethane	128	5.087	5.087	0.001	97	416084	60.0	58.8	
47 Chloroform	83	5.158	5.158	0.000	93	1514229	60.0	58.5	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	99	1302954	60.0	61.5	
49 Cyclohexane	56	5.371	5.371	0.000	89	1711154	60.0	64.7	
51 Carbon tetrachloride	117	5.442	5.442	0.000	80	1085251	60.0	63.3	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	96	1338948	60.0	63.7	
52 Isobutyl alcohol	41	5.502	5.502	0.000	95	655252	1500.0	1601.8	
54 Benzene	78	5.620	5.620	0.000	97	3897102	60.0	61.6	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	97	1176667	60.0	59.8	
56 n-Heptane	57	5.846	5.845	0.001	91	813793	60.0	60.0	
58 Trichloroethene	130	6.178	6.177	0.001	98	975840	60.0	62.8	
60 Methylcyclohexane	83	6.391	6.391	0.000	91	1790385	60.0	64.6	
61 1,2-Dichloropropane	63	6.415	6.415	0.000	95	948571	60.0	61.3	
64 1,4-Dioxane	88	6.462	6.462	0.000	92	227064	1200.0	1262.8	
63 Dibromomethane	93	6.486	6.486	0.000	95	503379	60.0	61.0	
65 Dichlorobromomethane	83	6.628	6.628	0.000	100	1136238	60.0	60.3	
67 2-Chloroethyl vinyl ether	63	6.865	6.865	0.000	92	1238381	120.0	128.2	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	96	1551987	60.0	64.8	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	96	1570707	120.0	129.9	
70 Toluene	91	7.316	7.316	0.000	98	4060070	60.0	62.3	
71 trans-1,3-Dichloropropene	75	7.518	7.517	0.001	95	1396106	60.0	65.9	
72 Ethyl methacrylate	69	7.541	7.541	0.000	89	1103650	60.0	65.5	
73 1,1,2-Trichloroethane	97	7.695	7.695	0.000	91	762512	60.0	64.1	
75 Tetrachloroethene	164	7.790	7.790	0.000	98	768410	60.0	63.6	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	88	1450233	60.0	63.1	
76 2-Hexanone	43	7.885	7.885	0.000	95	1088092	120.0	127.4	
78 Chlorodibromomethane	129	8.051	8.051	0.000	91	815216	60.0	64.1	
80 Ethylene Dibromide	107	8.170	8.170	0.000	98	778183	60.0	65.1	
82 Chlorobenzene	112	8.620	8.620	0.000	94	2549862	60.0	61.7	
83 1,1,1,2-Tetrachloroethane	131	8.703	8.703	0.000	43	852719	60.0	66.2	
84 Ethylbenzene	106	8.703	8.703	0.000	98	1431518	60.0	63.0	
85 m-Xylene & p-Xylene	106	8.822	8.822	0.000	97	1781385	60.0	63.2	
86 o-Xylene	106	9.202	9.201	0.001	96	1703394	60.0	62.9	
87 Styrene	104	9.213	9.213	0.000	94	2954966	60.0	64.7	
88 Bromoform	173	9.403	9.403	0.000	97	531442	60.0	64.4	
89 Isopropylbenzene	105	9.545	9.545	0.000	95	4470487	60.0	64.2	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	94	982415	60.0	61.0	
93 Bromobenzene	156	9.866	9.865	0.001	96	1010659	60.0	62.4	
94 trans-1,4-Dichloro-2-butene	53	9.877	9.877	0.000	82	319849	60.0	64.2	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	79	318884	60.0	63.6	
96 N-Propylbenzene	120	9.949	9.948	0.001	99	1279936	60.0	63.2	
97 2-Chlorotoluene	126	10.055	10.055	0.000	97	1028394	60.0	61.1	
99 1,3,5-Trimethylbenzene	105	10.126	10.126	0.000	94	3723379	60.0	63.8	
100 4-Chlorotoluene	126	10.174	10.174	0.000	97	1089496	60.0	62.2	
102 tert-Butylbenzene	119	10.447	10.447	0.000	93	3251164	60.0	63.6	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	96	3729148	60.0	63.8	
105 sec-Butylbenzene	105	10.660	10.660	0.000	94	4959223	60.0	64.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.791	10.790	0.001	98	1977146	60.0	61.5	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	4202110	60.0	65.1	
108 1,4-Dichlorobenzene	146	10.885	10.885	0.000	95	1995080	60.0	62.2	
111 n-Butylbenzene	91	11.217	11.217	0.000	97	3840736	60.0	64.0	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	98	1829565	60.0	60.7	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	87	213428	60.0	62.3	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	94	1156764	60.0	63.2	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	97	553793	60.0	65.0	
117 Naphthalene	128	13.150	13.150	0.000	97	3030750	60.0	62.2	
118 1,2,3-Trichlorobenzene	180	13.399	13.399	0.000	95	994013	60.0	62.7	
S 158 Total BTEX	1				0		300.0	313.0	
S 134 Trihalomethanes, Total	1				0		240.0	247.3	
S 131 1,2-Dichloroethene, Total	96				0			121.7	
S 132 1,3-Dichloropropene, Total	75				0			130.7	
S 133 Xylenes, Total	106				0		120.0	126.1	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

vmrgas_00344	Amount Added:	48.00	Units: uL
vmarolistdw_00349	Amount Added:	48.00	Units: uL
vmrprimw_00391	Amount Added:	48.00	Units: uL
vm50ss_00408	Amount Added:	48.00	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

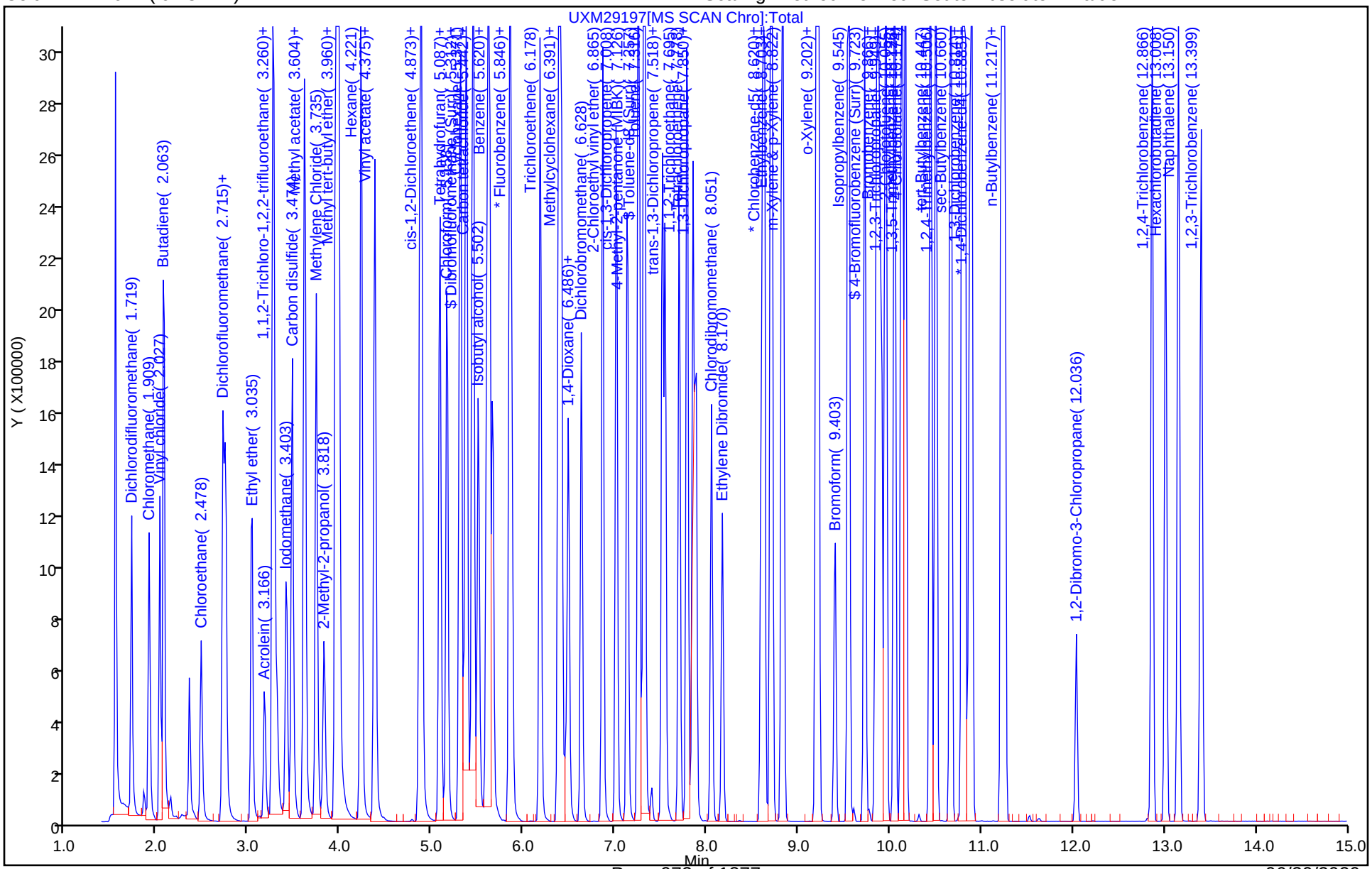
Report Date: 24-Jun-2020 13:01:45 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29197.D

Injection Date:	24-Jun-2020 10:16:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L6			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



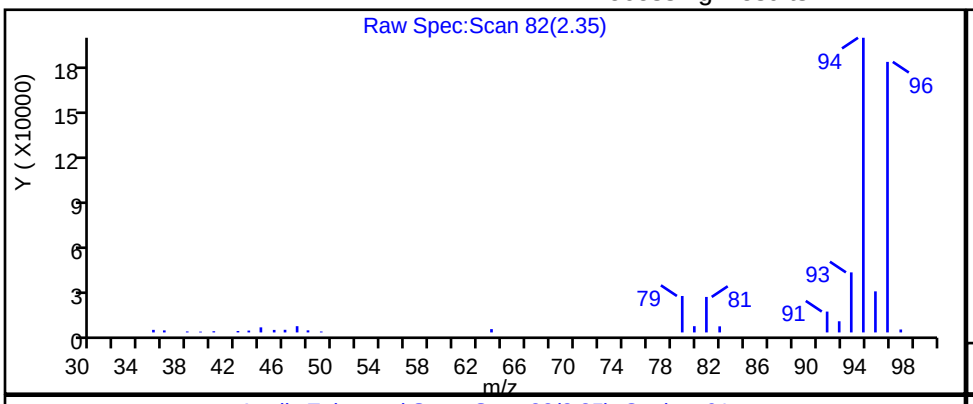
User Disabled Compound Report

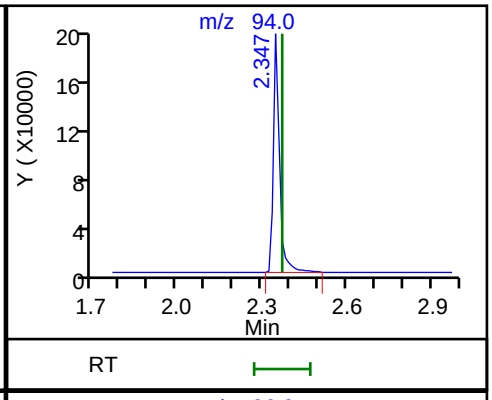
Eurofins TestAmerica, Canton

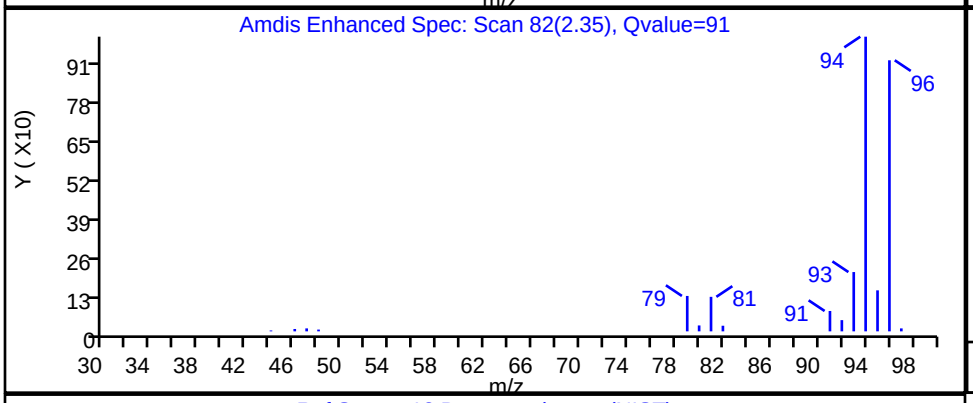
Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29197.D
Injection Date: 24-Jun-2020 10:16:30 Instrument ID: A3UX16
Lims ID: std8260 L6
Client ID:
Operator ID: 001765 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

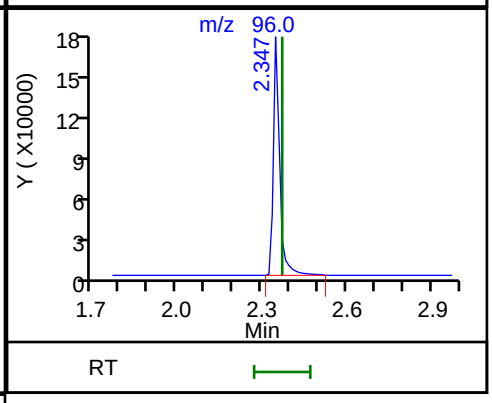
13 Bromomethane, CAS: 74-83-9

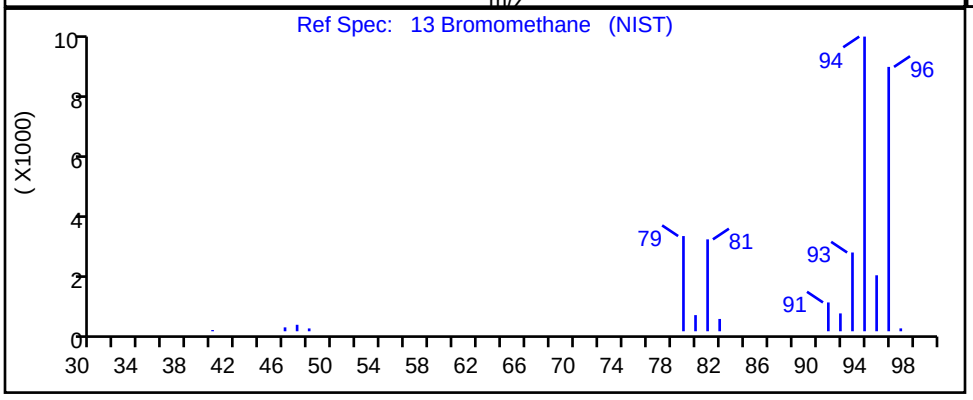
Processing Results











RT	Mass	Response	Amount
2.35	94.00	298373	43.341148
2.35	96.00	280264	

Reviewer: bosworthh, 24-Jun-2020 11:27:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29198.D
Lims ID: std8260 L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 24-Jun-2020 10:41:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099464-011
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Jun-2020 13:01:54 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1005

First Level Reviewer: bosworthh Date: 24-Jun-2020 11:12:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1116547	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	85	856509	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	94	461372	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	538563	40.0	41.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	654581	40.0	41.5	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	2304949	40.0	42.8	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	89	831573	40.0	42.0	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	99	580223	40.0	44.3	
10 Chloromethane	50	1.909	1.909	0.000	99	672662	40.0	40.2	
11 Vinyl chloride	62	2.027	2.027	0.000	98	699444	40.0	41.8	
12 Butadiene	54	2.075	2.075	0.000	97	615392	40.0	41.8	
13 Bromomethane	94	2.359	2.359	0.000	90	284823	40.0	32.4	
14 Chloroethane	64	2.490	2.490	0.000	99	426864	40.0	41.2	
15 Dichlorofluoromethane	67	2.715	2.715	0.000	98	993876	40.0	41.2	
16 Trichlorofluoromethane	101	2.751	2.751	0.000	99	757724	40.0	43.6	
17 Ethyl ether	59	3.035	3.035	0.000	90	470103	40.0	40.8	
18 Acrolein	56	3.166	3.166	0.000	100	304511	200.0	210.3	
19 1,1-Dichloroethene	96	3.261	3.261	0.000	98	514923	40.0	41.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.272	3.272	0.000	92	423333	40.0	43.3	
21 Acetone	58	3.308	3.308	0.000	100	110155	80.0	81.3	
23 Iodomethane	142	3.415	3.415	0.000	97	750001	40.0	41.2	
24 Carbon disulfide	76	3.474	3.474	0.000	99	1693505	40.0	41.6	
27 Methyl acetate	43	3.593	3.593	0.000	97	803043	80.0	77.5	
26 3-Chloro-1-propene	41	3.616	3.616	0.000	93	945455	40.0	40.6	
28 Methylene Chloride	84	3.735	3.735	0.000	92	600821	40.0	38.2	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	99	510251	400.0	403.3	
30 Acrylonitrile	53	3.948	3.948	0.000	99	2295412	400.0	402.9	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	95	1626500	40.0	42.7	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	99	615515	40.0	42.1	
33 Hexane	57	4.221	4.221	0.000	91	971109	40.0	44.1	
35 Vinyl acetate	43	4.363	4.363	0.000	97	813218	40.0	45.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	1102491	40.0	41.7	
40 2-Butanone (MEK)	72	4.861	4.861	0.000	99	138939	80.0	81.0	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	82	674509	40.0	41.6	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	87	924835	40.0	42.7	
46 Tetrahydrofuran	42	5.087	5.087	0.000	87	335414	80.0	78.7	
45 Chlorobromomethane	128	5.087	5.087	0.000	98	283304	40.0	40.9	
47 Chloroform	83	5.158	5.158	0.000	94	1026033	40.0	40.5	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	99	880725	40.0	42.5	
49 Cyclohexane	56	5.371	5.371	0.000	88	1131543	40.0	43.7	
51 Carbon tetrachloride	117	5.442	5.442	0.000	82	732746	40.0	43.7	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	96	900805	40.0	43.8	
52 Isobutyl alcohol	41	5.502	5.502	0.000	94	412287	1000.0	1030.2	
54 Benzene	78	5.620	5.620	0.000	96	2626029	40.0	42.4	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	97	786212	40.0	40.9	
56 n-Heptane	57	5.846	5.846	0.000	91	556819	40.0	41.2	
58 Trichloroethene	130	6.178	6.178	0.000	98	662239	40.0	43.5	
60 Methylcyclohexane	83	6.391	6.391	0.000	91	1197764	40.0	44.2	
61 1,2-Dichloropropane	63	6.415	6.415	0.000	96	642483	40.0	42.4	
64 1,4-Dioxane	88	6.462	6.462	0.000	92	148718	800.0	845.4	
63 Dibromomethane	93	6.486	6.486	0.000	94	334315	40.0	41.4	
65 Dichlorobromomethane	83	6.628	6.628	0.000	99	769870	40.0	41.8	
67 2-Chloroethyl vinyl ether	63	6.865	6.865	0.000	92	804637	80.0	85.1	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	96	1035465	40.0	44.2	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	96	1004550	80.0	84.9	
70 Toluene	91	7.316	7.316	0.000	98	2736607	40.0	43.0	
71 trans-1,3-Dichloropropene	75	7.518	7.518	0.000	95	925224	40.0	44.8	
72 Ethyl methacrylate	69	7.541	7.541	0.000	90	721275	40.0	43.9	
73 1,1,2-Trichloroethane	97	7.696	7.696	0.000	91	507706	40.0	43.8	
75 Tetrachloroethene	164	7.790	7.790	0.000	98	517816	40.0	43.9	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	88	967841	40.0	43.2	
76 2-Hexanone	43	7.885	7.885	0.000	94	706635	80.0	84.8	
78 Chlorodibromomethane	129	8.051	8.051	0.000	90	542126	40.0	43.7	
80 Ethylene Dibromide	107	8.170	8.170	0.000	99	515866	40.0	44.2	
82 Chlorobenzene	112	8.621	8.621	0.000	95	1712035	40.0	42.4	
83 1,1,1,2-Tetrachloroethane	131	8.704	8.704	0.000	94	567651	40.0	45.2	
84 Ethylbenzene	106	8.704	8.704	0.000	98	962905	40.0	43.5	
85 m-Xylene & p-Xylene	106	8.822	8.822	0.000	97	1194807	40.0	43.4	
86 o-Xylene	106	9.202	9.202	0.000	96	1136741	40.0	43.0	
87 Styrene	104	9.213	9.213	0.000	95	1969564	40.0	44.2	
88 Bromoform	173	9.403	9.403	0.000	99	353463	40.0	43.9	
89 Isopropylbenzene	105	9.546	9.546	0.000	96	2980139	40.0	43.8	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	93	655863	40.0	41.7	
93 Bromobenzene	156	9.866	9.866	0.000	96	679485	40.0	42.9	
94 trans-1,4-Dichloro-2-butene	53	9.878	9.878	0.000	78	209097	40.0	42.9	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	80	209961	40.0	42.8	
96 N-Propylbenzene	120	9.949	9.949	0.000	99	859843	40.0	43.5	
97 2-Chlorotoluene	126	10.055	10.055	0.000	97	700979	40.0	42.6	
99 1,3,5-Trimethylbenzene	105	10.127	10.127	0.000	94	2488640	40.0	43.6	
100 4-Chlorotoluene	126	10.174	10.174	0.000	97	732034	40.0	42.8	
102 tert-Butylbenzene	119	10.447	10.447	0.000	93	2169299	40.0	43.4	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	97	2474867	40.0	43.3	
105 sec-Butylbenzene	105	10.660	10.660	0.000	94	3274541	40.0	43.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.791	10.791	0.000	99	1325539	40.0	42.2	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	2760680	40.0	43.8	
108 1,4-Dichlorobenzene	146	10.886	10.886	0.000	95	1328610	40.0	42.4	
111 n-Butylbenzene	91	11.218	11.218	0.000	97	2557423	40.0	43.6	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	98	1222967	40.0	41.5	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	87	137847	40.0	41.2	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	94	750378	40.0	42.0	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	96	369714	40.0	44.4	
117 Naphthalene	128	13.151	13.151	0.000	97	1977298	40.0	41.5	
118 1,2,3-Trichlorobenzene	180	13.400	13.400	0.000	95	649318	40.0	41.9	
S 158 Total BTEX	1				0		200.0	215.3	
S 134 Trihalomethanes, Total	1				0		160.0	169.8	
S 131 1,2-Dichloroethene, Total	96				0			83.7	
S 132 1,3-Dichloropropene, Total	75				0			89.0	
S 133 Xylenes, Total	106				0		80.0	86.4	

Reagents:

vmrgas_00344	Amount Added:	32.00	Units: uL
vmarolistdw_00349	Amount Added:	32.00	Units: uL
vmrprimw_00391	Amount Added:	32.00	Units: uL
vm50ss_00408	Amount Added:	32.00	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

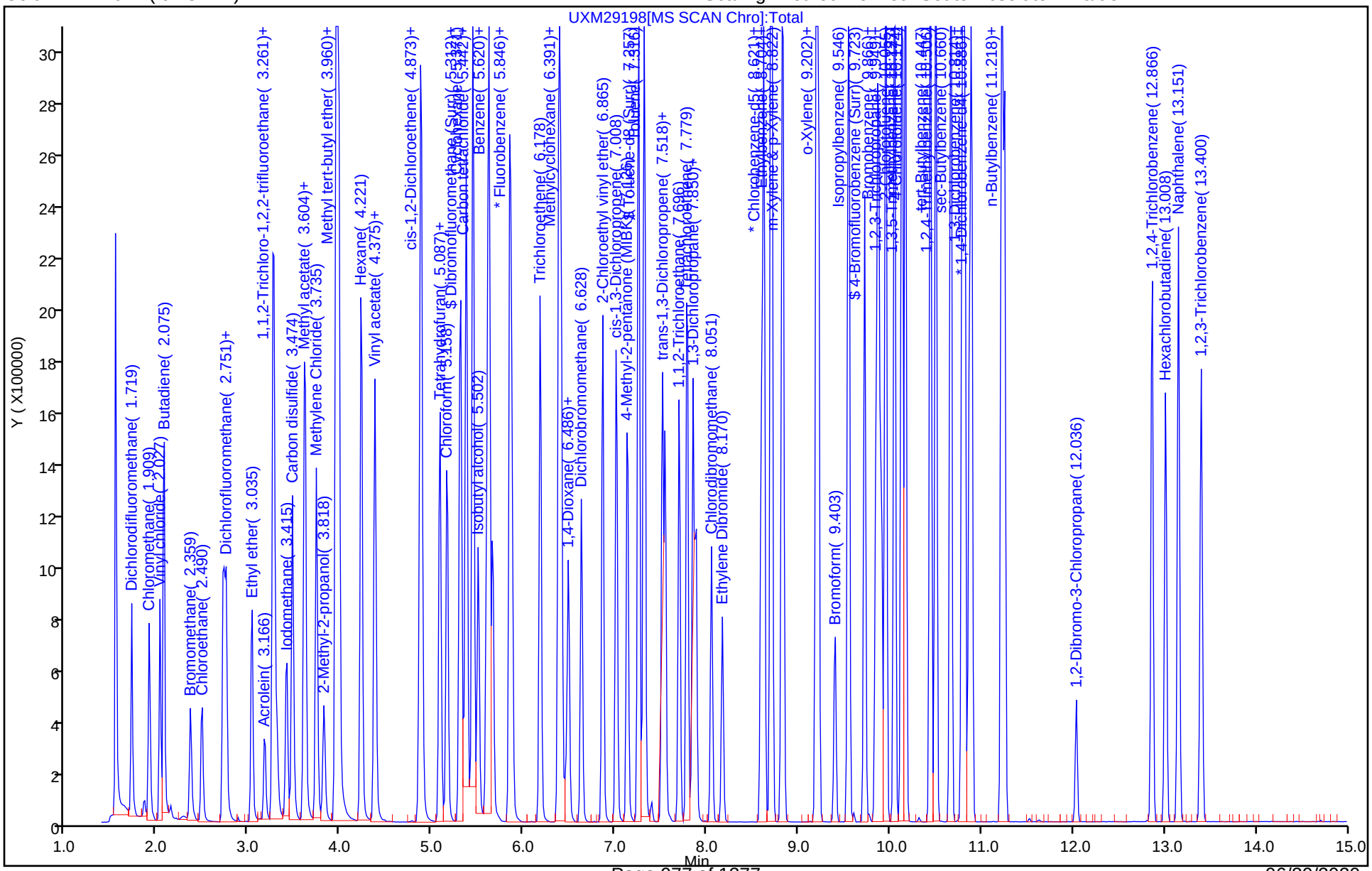
Report Date: 24-Jun-2020 13:01:56 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29198.D

Injection Date:	24-Jun-2020 10:41:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L5			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29199.D
Lims ID: ICIS L4
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 24-Jun-2020 11:05:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099464-012
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Jun-2020 13:02:05 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1005

First Level Reviewer: bosworthh Date: 24-Jun-2020 11:26:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1090766	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	85	845099	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	94	448333	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	259132	20.0	20.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.596	0.000	98	312959	20.0	20.3	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1084530	20.0	20.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	87	397425	20.0	20.3	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	99	260688	20.0	20.4	
10 Chloromethane	50	1.908	1.908	0.000	99	329740	20.0	20.2	
11 Vinyl chloride	62	2.027	2.027	0.000	98	340086	20.0	20.8	
12 Butadiene	54	2.074	2.074	0.000	97	295050	20.0	20.5	
13 Bromomethane	94	2.371	2.371	0.000	89	160580	20.0	18.7	
14 Chloroethane	64	2.489	2.489	0.000	99	202057	20.0	20.0	
15 Dichlorofluoromethane	67	2.727	2.727	0.000	97	487180	20.0	20.7	
16 Trichlorofluoromethane	101	2.750	2.750	0.000	99	356705	20.0	21.0	
17 Ethyl ether	59	3.035	3.035	0.000	89	226431	20.0	20.1	
18 Acrolein	56	3.165	3.165	0.000	100	144395	100.0	102.1	
19 1,1-Dichloroethene	96	3.260	3.260	0.000	98	250828	20.0	20.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.272	3.272	0.000	92	197579	20.0	20.7	
21 Acetone	58	3.308	3.308	0.000	100	52405	40.0	38.1	
23 Iodomethane	142	3.414	3.414	0.000	97	357246	20.0	20.1	
24 Carbon disulfide	76	3.474	3.474	0.000	99	823878	20.0	20.7	
27 Methyl acetate	43	3.604	3.604	0.000	97	388468	40.0	38.4	
26 3-Chloro-1-propene	41	3.616	3.616	0.000	92	458627	20.0	20.2	
28 Methylene Chloride	84	3.735	3.735	0.000	92	298812	20.0	19.5	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	100	237151	200.0	191.9	
30 Acrylonitrile	53	3.948	3.948	0.000	99	1103964	200.0	198.4	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	95	766715	20.0	20.6	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	99	298017	20.0	20.9	
33 Hexane	57	4.221	4.221	0.000	92	441851	20.0	20.6	
35 Vinyl acetate	43	4.363	4.363	0.000	97	379738	20.0	21.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	540425	20.0	20.9	
40 2-Butanone (MEK)	72	4.861	4.861	0.000	99	64795	40.0	38.7	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	82	326800	20.0	20.6	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	87	442274	20.0	20.9	
46 Tetrahydrofuran	42	5.087	5.087	0.000	88	160432	40.0	38.5	
45 Chlorobromomethane	128	5.087	5.087	0.000	98	143502	20.0	21.2	
47 Chloroform	83	5.158	5.158	0.000	93	499815	20.0	20.2	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	99	423403	20.0	20.9	
49 Cyclohexane	56	5.371	5.371	0.000	88	540209	20.0	21.4	
51 Carbon tetrachloride	117	5.442	5.442	0.000	83	351384	20.0	21.5	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	95	425941	20.0	21.2	
52 Isobutyl alcohol	41	5.502	5.502	0.000	95	195274	500.0	499.5	
54 Benzene	78	5.620	5.620	0.000	96	1257350	20.0	20.8	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	97	383252	20.0	20.4	
56 n-Heptane	57	5.845	5.845	0.000	91	271920	20.0	19.4	
58 Trichloroethene	130	6.177	6.177	0.000	98	314071	20.0	21.1	
60 Methylcyclohexane	83	6.391	6.391	0.000	91	540758	20.0	20.4	
61 1,2-Dichloropropane	63	6.415	6.415	0.000	96	310923	20.0	21.0	
64 1,4-Dioxane	88	6.462	6.462	0.000	93	70444	400.0	409.9	
63 Dibromomethane	93	6.486	6.486	0.000	95	162413	20.0	20.6	
65 Dichlorobromomethane	83	6.628	6.628	0.000	99	364406	20.0	20.2	
67 2-Chloroethyl vinyl ether	63	6.865	6.865	0.000	92	372659	40.0	40.4	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	96	486640	20.0	21.3	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	96	473635	40.0	41.0	
70 Toluene	91	7.316	7.316	0.000	99	1292759	20.0	20.6	
71 trans-1,3-Dichloropropene	75	7.517	7.517	0.000	93	437495	20.0	21.5	
72 Ethyl methacrylate	69	7.541	7.541	0.000	90	341106	20.0	21.0	
73 1,1,2-Trichloroethane	97	7.695	7.695	0.000	91	238270	20.0	20.8	
75 Tetrachloroethene	164	7.790	7.790	0.000	98	244506	20.0	21.0	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	88	464475	20.0	21.0	
76 2-Hexanone	43	7.885	7.885	0.000	94	337233	40.0	41.0	
78 Chlorodibromomethane	129	8.051	8.051	0.000	91	251502	20.0	20.5	
80 Ethylene Dibromide	107	8.170	8.170	0.000	98	244087	20.0	21.2	
82 Chlorobenzene	112	8.620	8.620	0.000	94	821426	20.0	20.6	
83 1,1,1,2-Tetrachloroethane	131	8.703	8.703	0.000	92	262687	20.0	21.2	
84 Ethylbenzene	106	8.703	8.703	0.000	99	454302	20.0	20.8	
85 m-Xylene & p-Xylene	106	8.822	8.822	0.000	97	573719	20.0	21.1	
86 o-Xylene	106	9.201	9.201	0.000	96	542988	20.0	20.8	
87 Styrene	104	9.213	9.213	0.000	95	929132	20.0	21.1	
88 Bromoform	173	9.403	9.403	0.000	98	160571	20.0	20.2	
89 Isopropylbenzene	105	9.545	9.545	0.000	96	1416846	20.0	21.1	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	94	315280	20.0	20.6	
93 Bromobenzene	156	9.865	9.865	0.000	96	320543	20.0	20.8	
94 trans-1,4-Dichloro-2-butene	53	9.877	9.877	0.000	86	100556	20.0	21.3	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	79	99652	20.0	20.9	
96 N-Propylbenzene	120	9.948	9.948	0.000	99	405880	20.0	21.1	
97 2-Chlorotoluene	126	10.055	10.055	0.000	97	335722	20.0	21.0	
99 1,3,5-Trimethylbenzene	105	10.126	10.126	0.000	94	1180500	20.0	21.3	
100 4-Chlorotoluene	126	10.174	10.174	0.000	97	347766	20.0	20.9	
102 tert-Butylbenzene	119	10.447	10.447	0.000	93	1017132	20.0	20.9	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	97	1177597	20.0	21.2	
105 sec-Butylbenzene	105	10.660	10.660	0.000	94	1546945	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
106 1,3-Dichlorobenzene	146	10.790	10.790	0.000	98	627848	20.0	20.6	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	1305800	20.0	21.3	
108 1,4-Dichlorobenzene	146	10.885	10.885	0.000	95	636137	20.0	20.9	
111 n-Butylbenzene	91	11.217	11.217	0.000	97	1197652	20.0	21.0	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	98	587209	20.0	20.5	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	86	65116	20.0	20.0	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	94	355649	20.0	20.5	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	97	174152	20.0	21.5	
117 Naphthalene	128	13.150	13.150	0.000	97	941033	20.0	20.3	
118 1,2,3-Trichlorobenzene	180	13.399	13.399	0.000	96	308993	20.0	20.5	
S 158 Total BTEX	1				0		100.0	104.1	
S 134 Trihalomethanes, Total	1				0		80.0	81.2	
S 133 Xylenes, Total	106				0		40.0	41.9	

Reagents:

vmrgas_00344	Amount Added:	16.00	Units: uL
vmarolistdw_00349	Amount Added:	16.00	Units: uL
vmrprimw_00391	Amount Added:	16.00	Units: uL
vm50ss_00408	Amount Added:	16.00	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

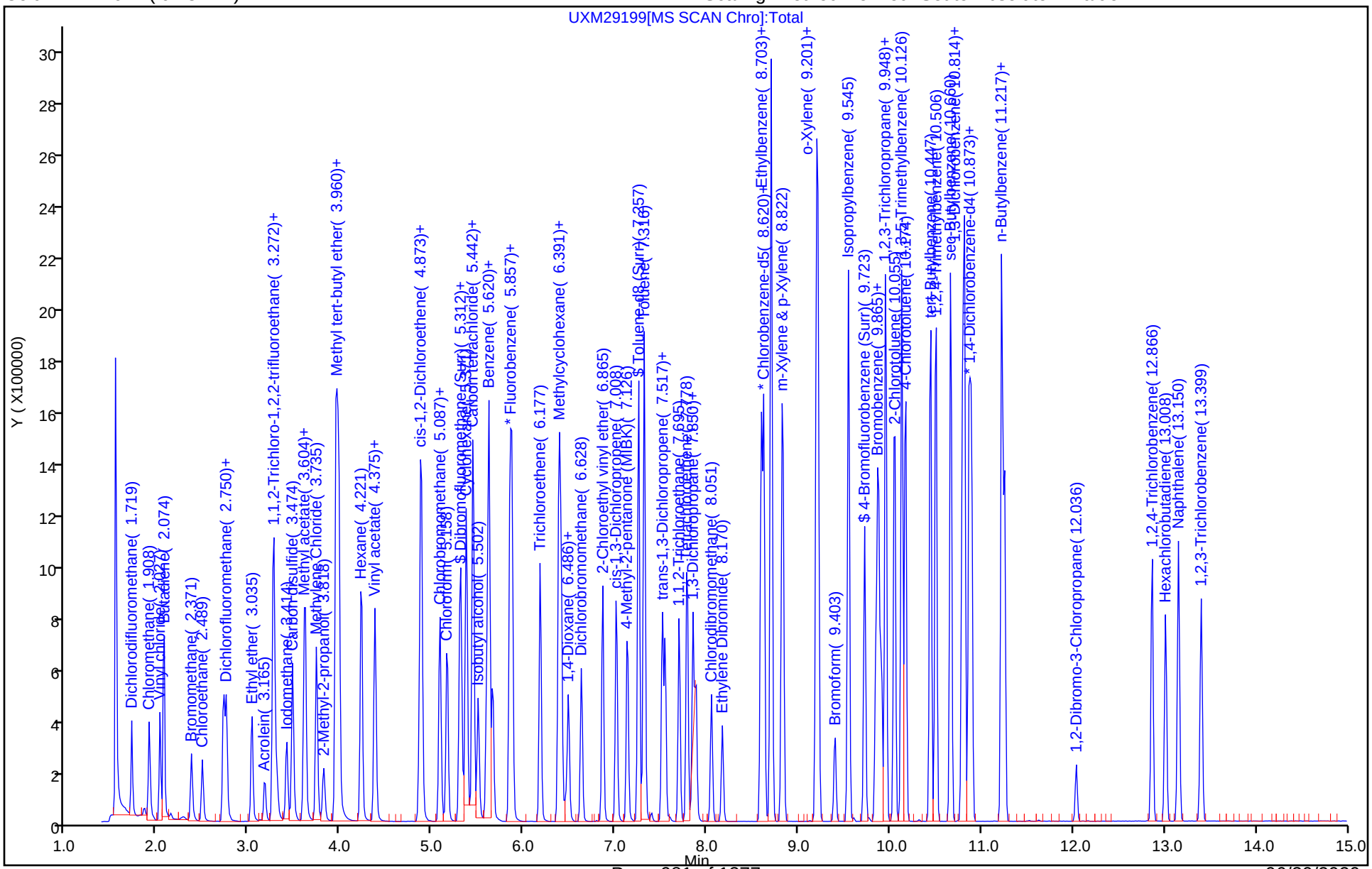
Report Date: 24-Jun-2020 13:02:07 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29199.D

Injection Date:	24-Jun-2020 11:05:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	ICIS L4			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29200.D
Lims ID: std8260 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 24-Jun-2020 11:29:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099464-013
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Jun-2020 13:02:16 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1005

First Level Reviewer: bosworthh Date: 24-Jun-2020 11:49:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	98	1060847	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	831188	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	440101	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	127943	10.0	10.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.596	0.000	98	160219	10.0	10.7	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	532995	10.0	10.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	89	195087	10.0	10.2	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	99	131230	10.0	10.5	
10 Chloromethane	50	1.908	1.908	0.000	99	163298	10.0	10.3	
11 Vinyl chloride	62	2.027	2.027	0.000	98	169106	10.0	10.6	
12 Butadiene	54	2.074	2.074	0.000	97	145311	10.0	10.4	
13 Bromomethane	94	2.371	2.371	0.000	90	78799	10.0	9.44	
14 Chloroethane	64	2.490	2.489	0.001	99	100341	10.0	10.2	
15 Dichlorofluoromethane	67	2.727	2.727	0.000	97	240990	10.0	10.5	
16 Trichlorofluoromethane	101	2.750	2.750	0.000	99	178518	10.0	10.8	
17 Ethyl ether	59	3.035	3.035	0.000	91	111442	10.0	10.2	
18 Acrolein	56	3.177	3.165	0.012	99	71792	50.0	52.2	
19 1,1-Dichloroethene	96	3.260	3.260	0.000	98	124161	10.0	10.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.272	3.272	0.000	92	98122	10.0	10.6	
21 Acetone	58	3.308	3.308	0.000	100	28076	20.0	19.6	
23 Iodomethane	142	3.414	3.414	0.000	97	177417	10.0	10.3	
24 Carbon disulfide	76	3.474	3.474	0.000	99	405075	10.0	10.5	
27 Methyl acetate	43	3.592	3.604	-0.012	97	189507	20.0	19.2	
26 3-Chloro-1-propene	41	3.616	3.616	0.000	92	227548	10.0	10.3	
28 Methylene Chloride	84	3.735	3.735	0.000	93	147425	10.0	9.87	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	100	113772	100.0	94.7	
30 Acrylonitrile	53	3.948	3.948	0.000	99	543464	100.0	100.4	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	95	363244	10.0	10.0	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	99	146914	10.0	10.6	
33 Hexane	57	4.221	4.221	0.000	92	207563	10.0	9.93	
35 Vinyl acetate	43	4.363	4.363	0.000	97	178122	10.0	10.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	264630	10.0	10.5	
40 2-Butanone (MEK)	72	4.861	4.861	0.000	100	29369	20.0	18.0	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	82	159638	10.0	10.4	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	89	210799	10.0	10.3	
46 Tetrahydrofuran	42	5.087	5.087	0.001	87	76820	20.0	19.0	
45 Chlorobromomethane	128	5.087	5.087	0.001	98	71782	10.0	10.9	
47 Chloroform	83	5.158	5.158	0.000	94	248720	10.0	10.3	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	98	205894	10.0	10.5	
49 Cyclohexane	56	5.371	5.371	0.000	88	262919	10.0	10.7	
51 Carbon tetrachloride	117	5.442	5.442	0.000	82	165134	10.0	10.4	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	96	200176	10.0	10.2	
52 Isobutyl alcohol	41	5.502	5.502	0.000	94	92168	250.0	242.4	
54 Benzene	78	5.620	5.620	0.000	96	605189	10.0	10.3	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	97	188779	10.0	10.3	
56 n-Heptane	57	5.845	5.845	0.000	91	147907	10.0	9.73	
58 Trichloroethene	130	6.178	6.177	0.001	98	150452	10.0	10.4	
60 Methylcyclohexane	83	6.391	6.391	0.000	90	256432	10.0	9.95	
61 1,2-Dichloropropane	63	6.403	6.415	-0.012	96	147743	10.0	10.3	
64 1,4-Dioxane	88	6.462	6.462	0.000	92	35004	200.0	209.4	
63 Dibromomethane	93	6.486	6.486	0.000	95	78529	10.0	10.2	
65 Dichlorobromomethane	83	6.628	6.628	0.000	99	178211	10.0	10.2	
67 2-Chloroethyl vinyl ether	63	6.865	6.865	0.000	92	173603	20.0	19.3	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	96	228483	10.0	10.3	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	95	221582	20.0	19.7	
70 Toluene	91	7.316	7.316	0.000	98	628513	10.0	10.2	
71 trans-1,3-Dichloropropene	75	7.518	7.517	0.001	93	202217	10.0	10.1	
72 Ethyl methacrylate	69	7.541	7.541	0.000	89	161455	10.0	10.1	
73 1,1,2-Trichloroethane	97	7.695	7.695	0.000	91	113496	10.0	10.1	
75 Tetrachloroethene	164	7.790	7.790	0.000	97	117849	10.0	10.3	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	88	221065	10.0	10.2	
76 2-Hexanone	43	7.885	7.885	0.000	94	160647	20.0	19.9	
78 Chlorodibromomethane	129	8.051	8.051	0.000	91	118615	10.0	9.85	
80 Ethylene Dibromide	107	8.170	8.170	0.000	99	115351	10.0	10.2	
82 Chlorobenzene	112	8.620	8.620	0.000	94	402133	10.0	10.3	
83 1,1,1,2-Tetrachloroethane	131	8.703	8.703	0.000	94	123648	10.0	10.1	
84 Ethylbenzene	106	8.703	8.703	0.000	98	223253	10.0	10.4	
85 m-Xylene & p-Xylene	106	8.822	8.822	0.000	97	279939	10.0	10.5	
86 o-Xylene	106	9.201	9.201	0.000	96	263432	10.0	10.3	
87 Styrene	104	9.213	9.213	0.000	95	448451	10.0	10.4	
88 Bromoform	173	9.403	9.403	0.000	97	74423	10.0	9.52	
89 Isopropylbenzene	105	9.545	9.545	0.000	96	684850	10.0	10.4	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	94	153319	10.0	10.2	
93 Bromobenzene	156	9.866	9.865	0.001	96	156880	10.0	10.4	
94 trans-1,4-Dichloro-2-butene	53	9.877	9.877	0.000	74	47010	10.0	10.1	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	82	48914	10.0	10.5	
96 N-Propylbenzene	120	9.949	9.948	0.001	99	196408	10.0	10.4	
97 2-Chlorotoluene	126	10.055	10.055	0.000	97	160736	10.0	10.2	
99 1,3,5-Trimethylbenzene	105	10.126	10.126	0.000	94	569091	10.0	10.5	
100 4-Chlorotoluene	126	10.174	10.174	0.000	97	166216	10.0	10.2	
102 tert-Butylbenzene	119	10.447	10.447	0.000	93	498324	10.0	10.5	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	97	569510	10.0	10.4	
105 sec-Butylbenzene	105	10.660	10.660	0.000	94	753642	10.0	10.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.790	10.790	0.000	98	305145	10.0	10.2	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	630124	10.0	10.5	
108 1,4-Dichlorobenzene	146	10.885	10.885	0.000	95	303610	10.0	10.2	
111 n-Butylbenzene	91	11.217	11.217	0.000	97	586498	10.0	10.5	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	97	285133	10.0	10.2	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	85	31786	10.0	9.95	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	94	166144	10.0	9.74	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	96	84522	10.0	10.6	
117 Naphthalene	128	13.150	13.150	0.000	97	449577	10.0	9.90	
118 1,2,3-Trichlorobenzene	180	13.399	13.399	0.000	95	150982	10.0	10.2	
S 158 Total BTEX	1				0		50.0	51.6	
S 134 Trihalomethanes, Total	1				0		40.0	39.9	
S 131 1,2-Dichloroethene, Total	96				0			21.0	
S 132 1,3-Dichloropropene, Total	75				0			20.3	
S 133 Xylenes, Total	106				0		20.0	20.8	

Reagents:

vmrgas_00344	Amount Added:	8.00	Units: uL
vmarolistdw_00349	Amount Added:	8.00	Units: uL
vmrprimw_00391	Amount Added:	8.00	Units: uL
vm50ss_00408	Amount Added:	8.00	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

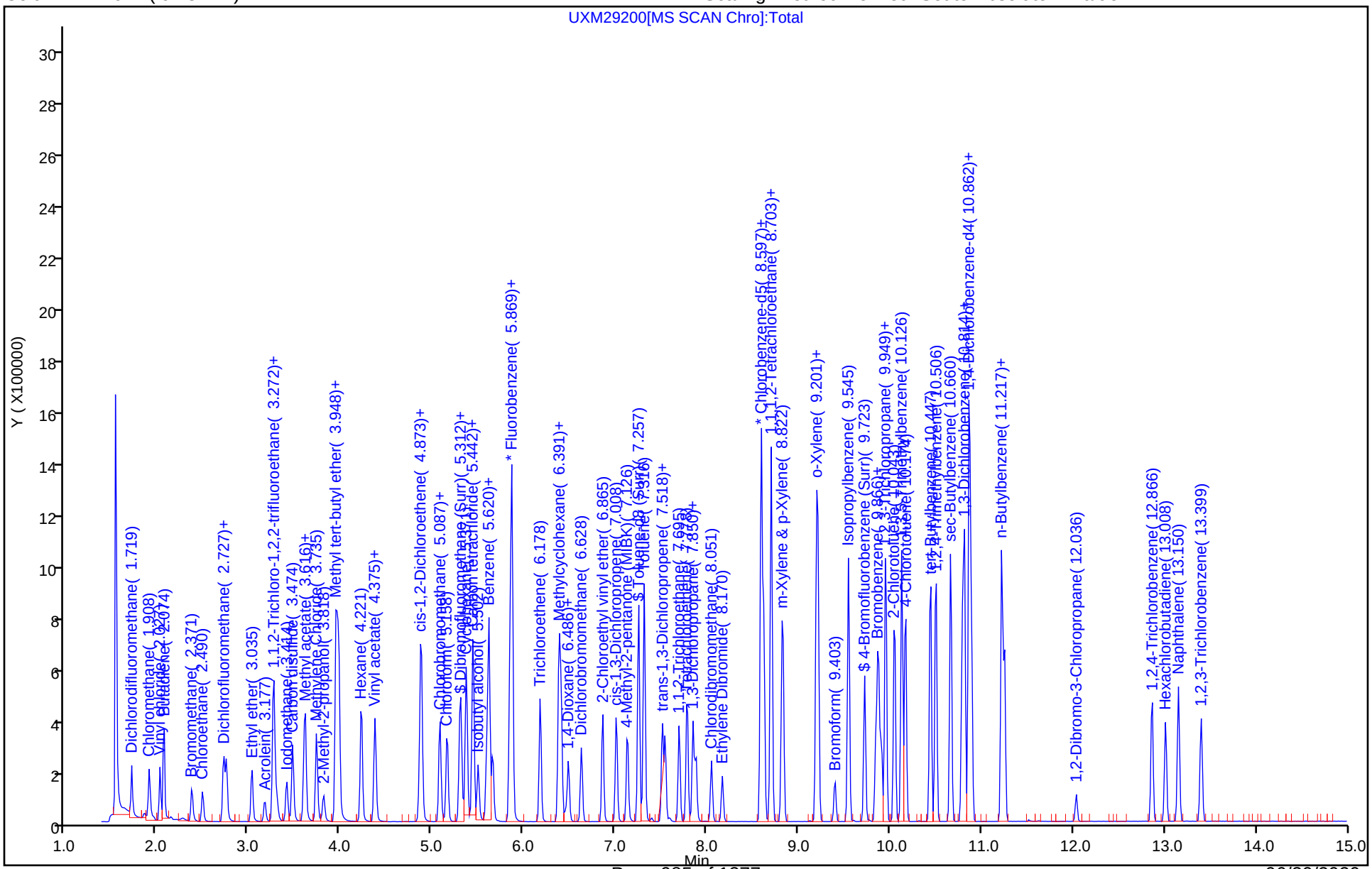
Report Date: 24-Jun-2020 13:02:18 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29200.D

Injection Date:	24-Jun-2020 11:29:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L3			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29201.D
Lims ID: std8260 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 24-Jun-2020 11:53:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099464-014
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Jun-2020 13:02:25 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1005

First Level Reviewer: bosworthh Date: 24-Jun-2020 12:18:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1010918	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	822492	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	430119	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	93	11457	1.00	0.9764	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.596	0.000	98	14192	1.00	0.99	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	92	44146	1.00	0.8534	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	87	17279	1.00	0.9085	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	99	10354	1.00	0.8725	
10 Chloromethane	50	1.908	1.908	0.000	98	15080	1.00	1.00	
11 Vinyl chloride	62	2.027	2.027	0.000	96	15338	1.00	1.01	
12 Butadiene	54	2.074	2.074	0.000	96	13190	1.00	0.9899	
13 Bromomethane	94	2.383	2.371	0.012	88	9028	1.00	1.14	
14 Chloroethane	64	2.490	2.489	0.001	96	9444	1.00	1.01	
15 Dichlorofluoromethane	67	2.727	2.727	0.000	96	21879	1.00	1.00	
16 Trichlorofluoromethane	101	2.750	2.750	0.000	97	14586	1.00	0.9275	
17 Ethyl ether	59	3.035	3.035	0.000	91	10942	1.00	1.05	
18 Acrolein	56	3.177	3.165	0.012	97	6919	5.00	5.28	
19 1,1-Dichloroethene	96	3.272	3.260	0.012	95	10679	1.00	0.9550	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.272	3.272	0.000	88	7115	1.00	0.8047	
21 Acetone	58	3.308	3.308	0.000	99	5993	2.00	2.10	
23 Iodomethane	142	3.415	3.414	0.000	97	18411	1.00	1.12	
24 Carbon disulfide	76	3.474	3.474	0.000	99	35838	1.00	0.9721	
27 Methyl acetate	43	3.604	3.604	0.000	98	19102	2.00	2.04	
26 3-Chloro-1-propene	41	3.616	3.616	0.000	90	20549	1.00	0.9757	
28 Methylene Chloride	84	3.735	3.735	0.000	92	15402	1.00	1.08	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	99	11114	10.0	9.70	
30 Acrylonitrile	53	3.948	3.948	0.000	98	49565	10.0	9.61	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	96	31669	1.00	0.9174	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	97	13122	1.00	0.99	
33 Hexane	57	4.221	4.221	0.000	89	14052	1.00	0.7053	
35 Vinyl acetate	43	4.375	4.363	0.012	98	13045	1.00	0.8025	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	22854	1.00	0.9548	
40 2-Butanone (MEK)	72	4.861	4.861	0.000	100	3021	2.00	1.95	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	81	13671	1.00	0.9319	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	89	18843	1.00	0.9619	
46 Tetrahydrofuran	42	5.087	5.087	0.001	88	7778	2.00	2.02	
45 Chlorobromomethane	128	5.087	5.087	0.001	97	6169	1.00	0.9846	
47 Chloroform	83	5.158	5.158	0.000	92	22498	1.00	0.9809	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	98	17546	1.00	0.9357	
49 Cyclohexane	56	5.371	5.371	0.000	88	19731	1.00	0.8422	
51 Carbon tetrachloride	117	5.442	5.442	0.000	83	12976	1.00	0.8548	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	93	16390	1.00	0.8803	
52 Isobutyl alcohol	41	5.502	5.502	0.000	92	8050	25.0	22.2	
54 Benzene	78	5.620	5.620	0.000	97	52426	1.00	0.9357	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	96	17263	1.00	0.99	
56 n-Heptane	57	5.869	5.845	0.024	91	40740	1.00	1.03	
58 Trichloroethene	130	6.178	6.177	0.001	97	12129	1.00	0.8806	
60 Methylcyclohexane	83	6.391	6.391	0.000	88	18704	1.00	0.7618	
61 1,2-Dichloropropane	63	6.415	6.415	0.000	95	12739	1.00	0.9293	
64 1,4-Dioxane	88	6.462	6.462	0.000	18	2753	20.0	17.3	
63 Dibromomethane	93	6.486	6.486	0.000	96	7051	1.00	0.9649	
65 Dichlorobromomethane	83	6.628	6.628	0.000	97	15958	1.00	0.9568	
67 2-Chloroethyl vinyl ether	63	6.865	6.865	0.000	91	14077	2.00	1.64	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	94	18255	1.00	0.8608	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	95	19538	2.00	1.82	
70 Toluene	91	7.316	7.316	0.000	98	55666	1.00	0.9110	
71 trans-1,3-Dichloropropene	75	7.518	7.517	0.001	89	16155	1.00	0.8139	
72 Ethyl methacrylate	69	7.541	7.541	0.000	88	12751	1.00	0.8081	
73 1,1,2-Trichloroethane	97	7.695	7.695	0.000	88	10165	1.00	0.9123	
75 Tetrachloroethene	164	7.790	7.790	0.000	96	9672	1.00	0.8541	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	89	19516	1.00	0.9066	
76 2-Hexanone	43	7.885	7.885	0.000	92	14390	2.00	1.80	
78 Chlorodibromomethane	129	8.051	8.051	0.000	87	10899	1.00	0.9142	
80 Ethylene Dibromide	107	8.170	8.170	0.000	98	9664	1.00	0.8624	
82 Chlorobenzene	112	8.620	8.620	0.000	94	36424	1.00	0.9403	
83 1,1,1,2-Tetrachloroethane	131	8.703	8.703	0.000	93	10431	1.00	0.8641	
84 Ethylbenzene	106	8.703	8.703	0.000	99	18633	1.00	0.8757	
85 m-Xylene & p-Xylene	106	8.822	8.822	0.000	98	24002	1.00	0.9083	
86 o-Xylene	106	9.201	9.201	0.000	95	23859	1.00	0.9399	
87 Styrene	104	9.213	9.213	0.000	94	36943	1.00	0.8627	
88 Bromoform	173	9.403	9.403	0.000	94	6113	1.00	0.7900	
89 Isopropylbenzene	105	9.545	9.545	0.000	96	55829	1.00	0.8551	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	94	13831	1.00	0.9425	
93 Bromobenzene	156	9.866	9.865	0.001	95	13407	1.00	0.9082	
94 trans-1,4-Dichloro-2-butene	53	9.877	9.877	0.000	81	4177	1.00	0.9202	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	80	4675	1.00	1.02	
96 N-Propylbenzene	120	9.949	9.948	0.001	99	15927	1.00	0.8638	
97 2-Chlorotoluene	126	10.055	10.055	0.000	97	14611	1.00	0.9529	
99 1,3,5-Trimethylbenzene	105	10.126	10.126	0.000	94	46198	1.00	0.8689	
100 4-Chlorotoluene	126	10.174	10.174	0.000	97	15113	1.00	0.9476	
102 tert-Butylbenzene	119	10.447	10.447	0.000	92	42188	1.00	0.9053	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	96	46079	1.00	0.8651	
105 sec-Butylbenzene	105	10.660	10.660	0.000	93	63102	1.00	0.8946	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.790	10.790	0.000	97	27512	1.00	0.9397	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	51720	1.00	0.8799	
108 1,4-Dichlorobenzene	146	10.885	10.885	0.000	93	27765	1.00	0.9499	
111 n-Butylbenzene	91	11.217	11.217	0.000	98	48087	1.00	0.8793	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	96	26494	1.00	0.9655	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	82	2669	1.00	0.8548	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	92	16798	1.00	1.01	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	92	7271	1.00	0.9366	
117 Naphthalene	128	13.150	13.150	0.000	96	43831	1.00	0.9875	
118 1,2,3-Trichlorobenzene	180	13.399	13.399	0.000	95	14240	1.00	0.9854	
S 158 Total BTEX	1				0		5.00	4.57	
S 134 Trihalomethanes, Total	1				0		4.00	3.64	
S 131 1,2-Dichloroethene, Total	96				0			1.92	
S 132 1,3-Dichloropropene, Total	75				0			1.67	
S 133 Xylenes, Total	106				0		2.00	1.85	

Reagents:

vmrgas_00344	Amount Added:	0.80	Units: uL
vmarolistdw_00349	Amount Added:	0.80	Units: uL
vmrprimw_00391	Amount Added:	0.80	Units: uL
vm50ss_00408	Amount Added:	0.80	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

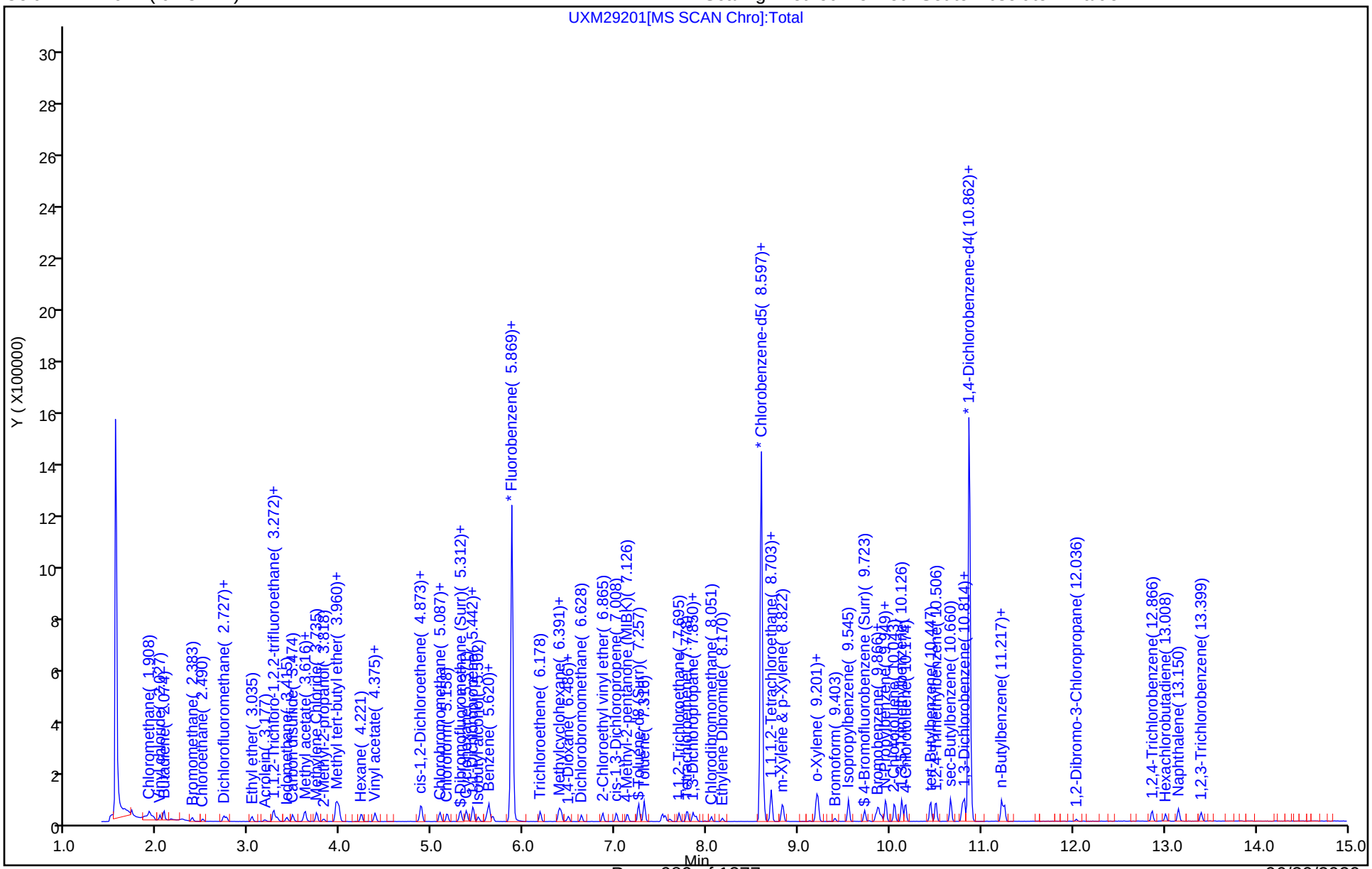
Report Date: 24-Jun-2020 13:02:26 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29201.D

Injection Date:	24-Jun-2020 11:53:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L2			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D
Lims ID: std8260 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Jun-2020 12:17:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099464-015
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Jun-2020 13:02:31 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1005

First Level Reviewer: bosworthh Date: 24-Jun-2020 12:38:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	988576	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	820984	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	429817	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	88	5641	0.5000	0.4916	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.596	0.000	96	6493	0.5000	0.4648	
$ 6 Toluene-d8 (Surr)	98		7.257				ND	ND	U
$ 7 4-Bromofluorobenzene (Surr)	95		9.723				ND	ND	U
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	94	5091	0.5000	0.4387	
10 Chloromethane	50	1.908	1.908	0.000	96	8018	0.5000	0.5412	
11 Vinyl chloride	62	2.027	2.027	0.000	92	6374	0.5000	0.4301	
12 Butadiene	54	2.074	2.074	0.000	95	6072	0.5000	0.4660	
13 Bromomethane	94	2.383	2.371	0.012	79	4565	0.5000	0.5870	
14 Chloroethane	64	2.490	2.489	0.001	93	4640	0.5000	0.5057	
15 Dichlorofluoromethane	67	2.727	2.727	0.000	94	9873	0.5000	0.4626	
16 Trichlorofluoromethane	101	2.750	2.750	0.000	96	6537	0.5000	0.4251	
17 Ethyl ether	59	3.035	3.035	0.000	90	4692	0.5000	0.4600	
18 Acrolein	56	3.165	3.165	0.000	96	2472	2.50	1.93	
19 1,1-Dichloroethene	96	3.260	3.260	0.000	93	5115	0.5000	0.4677	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272				ND	ND	U
21 Acetone	58		3.308				ND	ND	U
23 Iodomethane	142		3.414				ND	ND	U
24 Carbon disulfide	76	3.474	3.474	0.000	99	17608	0.5000	0.4884	
27 Methyl acetate	43	3.604	3.604	0.000	97	10020	1.00	1.09	
26 3-Chloro-1-propene	41	3.616	3.616	0.000	91	11278	0.5000	0.5476	
28 Methylene Chloride	84	3.735	3.735	0.000	91	8424	0.5000	0.6052	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	96	5215	5.00	4.66	
30 Acrylonitrile	53	3.948	3.948	0.000	98	24645	5.00	4.89	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	97	14682	0.5000	0.4349	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	97	5624	0.5000	0.4347	
33 Hexane	57		4.221				ND	ND	U
35 Vinyl acetate	43	4.363	4.363	0.000	54	6129	0.5000	0.3855	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.375	4.375	0.000	93	10767	0.5000	0.4600	
40 2-Butanone (MEK)	72		4.861				ND	ND	U
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	79	7189	0.5000	0.5011	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	85	8332	0.5000	0.4350	
46 Tetrahydrofuran	42	5.087	5.087	0.001	76	3903	1.00	1.03	
45 Chlorobromomethane	128	5.087	5.087	0.001	94	2872	0.5000	0.4688	
47 Chloroform	83	5.158	5.158	0.000	92	11938	0.5000	0.5323	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	94	8373	0.5000	0.4566	
49 Cyclohexane	56	5.371	5.371	0.000	85	9232	0.5000	0.4030	
51 Carbon tetrachloride	117	5.442	5.442	0.000	87	6631	0.5000	0.4467	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	90	7749	0.5000	0.4256	
52 Isobutyl alcohol	41	5.502	5.502	0.000	87	3778	12.5	10.7	
54 Benzene	78	5.620	5.620	0.000	97	25138	0.5000	0.4588	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	94	8299	0.5000	0.4872	
56 n-Heptane	57		5.845				ND	ND	U
58 Trichloroethene	130	6.178	6.177	0.001	93	6092	0.5000	0.4523	
60 Methylcyclohexane	83		6.391				ND	ND	U
61 1,2-Dichloropropane	63	6.403	6.415	-0.012	93	6191	0.5000	0.4618	
64 1,4-Dioxane	88	6.462	6.462	0.000	21	1397	10.0	8.97	
63 Dibromomethane	93	6.486	6.486	0.000	94	3402	0.5000	0.4761	
65 Dichlorobromomethane	83	6.628	6.628	0.000	96	8158	0.5000	0.5002	
67 2-Chloroethyl vinyl ether	63		6.865				ND	ND	U
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	91	8519	0.5000	0.4108	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	94	8178	1.00	0.7807	
70 Toluene	91	7.316	7.316	0.000	99	27702	0.5000	0.4542	
71 trans-1,3-Dichloropropene	75	7.518	7.517	0.001	89	7785	0.5000	0.3929	
72 Ethyl methacrylate	69	7.541	7.541	0.000	87	6274	0.5000	0.3983	
73 1,1,2-Trichloroethane	97	7.695	7.695	0.000	82	4532	0.5000	0.4075	
75 Tetrachloroethene	164	7.790	7.790	0.000	95	4948	0.5000	0.4378	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	88	8984	0.5000	0.4181	
76 2-Hexanone	43	7.885	7.885	0.000	97	6241	1.00	0.7815	
78 Chlorodibromomethane	129	8.051	8.051	0.000	86	5181	0.5000	0.4354	
80 Ethylene Dibromide	107	8.170	8.170	0.000	96	4438	0.5000	0.3967	
82 Chlorobenzene	112	8.620	8.620	0.000	96	17594	0.5000	0.4550	
83 1,1,1,2-Tetrachloroethane	131	8.703	8.703	0.000	88	4549	0.5000	0.3775	
84 Ethylbenzene	106	8.703	8.703	0.000	98	9293	0.5000	0.4375	
85 m-Xylene & p-Xylene	106	8.834	8.822	0.012	97	10892	0.5000	0.4129	
86 o-Xylene	106	9.201	9.201	0.000	95	10884	0.5000	0.4295	
87 Styrene	104	9.213	9.213	0.000	92	17536	0.5000	0.4103	
88 Bromoform	173		9.403				ND	ND	U
89 Isopropylbenzene	105	9.545	9.545	0.000	94	27660	0.5000	0.4244	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	84	6508	0.5000	0.4438	
93 Bromobenzene	156	9.866	9.865	0.001	93	6557	0.5000	0.4445	
94 trans-1,4-Dichloro-2-butene	53	9.877	9.877	0.000	40	1625	0.5000	0.3582	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	1	1571	0.5000	0.3439	a
96 N-Propylbenzene	120	9.949	9.948	0.001	98	8056	0.5000	0.4372	
97 2-Chlorotoluene	126	10.055	10.055	0.000	96	6737	0.5000	0.4397	
99 1,3,5-Trimethylbenzene	105	10.126	10.126	0.000	95	22126	0.5000	0.4165	
100 4-Chlorotoluene	126	10.174	10.174	0.000	96	6927	0.5000	0.4346	
102 tert-Butylbenzene	119	10.447	10.447	0.000	92	19309	0.5000	0.4146	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	96	22590	0.5000	0.4244	
105 sec-Butylbenzene	105	10.660	10.660	0.000	93	29175	0.5000	0.4139	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.790	10.790	0.000	94	13606	0.5000	0.4651	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	96	22949	0.5000	0.3907	
108 1,4-Dichlorobenzene	146	10.885	10.885	0.000	91	12980	0.5000	0.4444	
111 n-Butylbenzene	91	11.217	11.217	0.000	97	22510	0.5000	0.4119	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	97	13014	0.5000	0.4746	
113 1,2-Dibromo-3-Chloropropane	157		12.036				ND	ND	U
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	89	7436	0.5000	0.4464	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	82	2697	0.5000	0.3476	
117 Naphthalene	128	13.150	13.150	0.000	95	20175	0.5000	0.4549	
118 1,2,3-Trichlorobenzene	180	13.399	13.399	0.000	94	6344	0.5000	0.4393	
S 158 Total BTEX	1				0		2.50	2.19	
S 134 Trihalomethanes, Total	1				0		2.00	1.47	
S 131 1,2-Dichloroethene, Total	96				0			0.9358	
S 132 1,3-Dichloropropene, Total	75				0			0.8037	
S 133 Xylenes, Total	106				0		1.00	0.8425	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

vmrgas_00344	Amount Added:	0.40	Units: uL
vmarolistdw_00349	Amount Added:	0.40	Units: uL
vmrprimw_00391	Amount Added:	0.40	Units: uL
vm50ss_00408	Amount Added:	0.40	Units: uL
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL

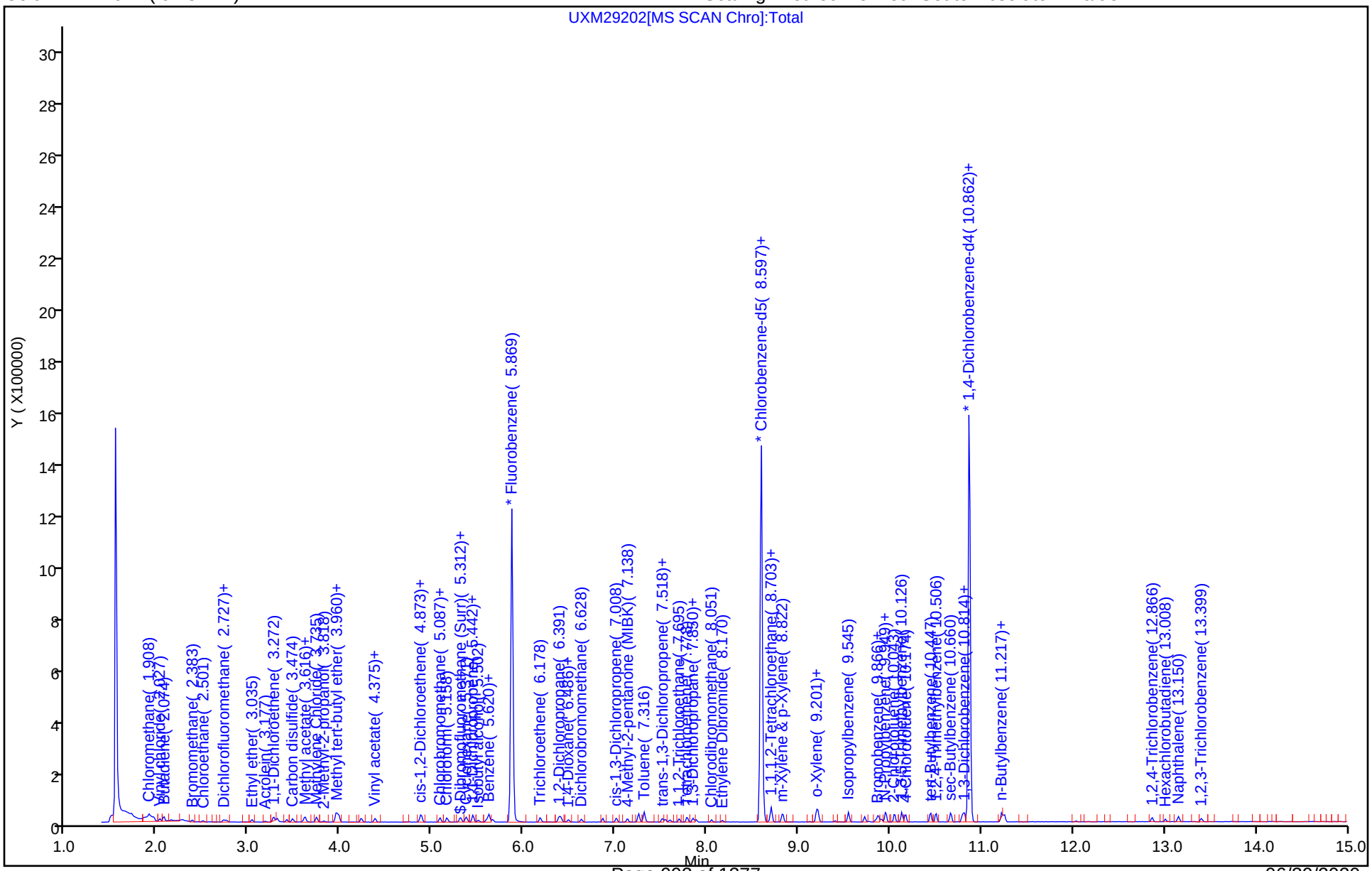
Report Date: 24-Jun-2020 13:02:32 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Injection Date:	24-Jun-2020 12:17:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L1			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

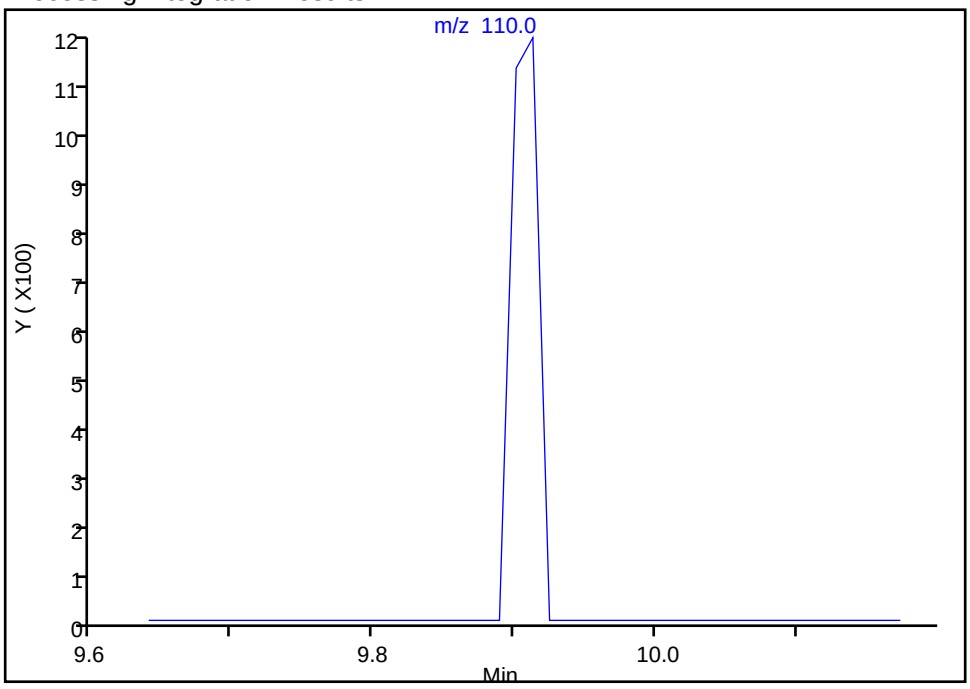
Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D
Injection Date: 24-Jun-2020 12:17:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

95 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

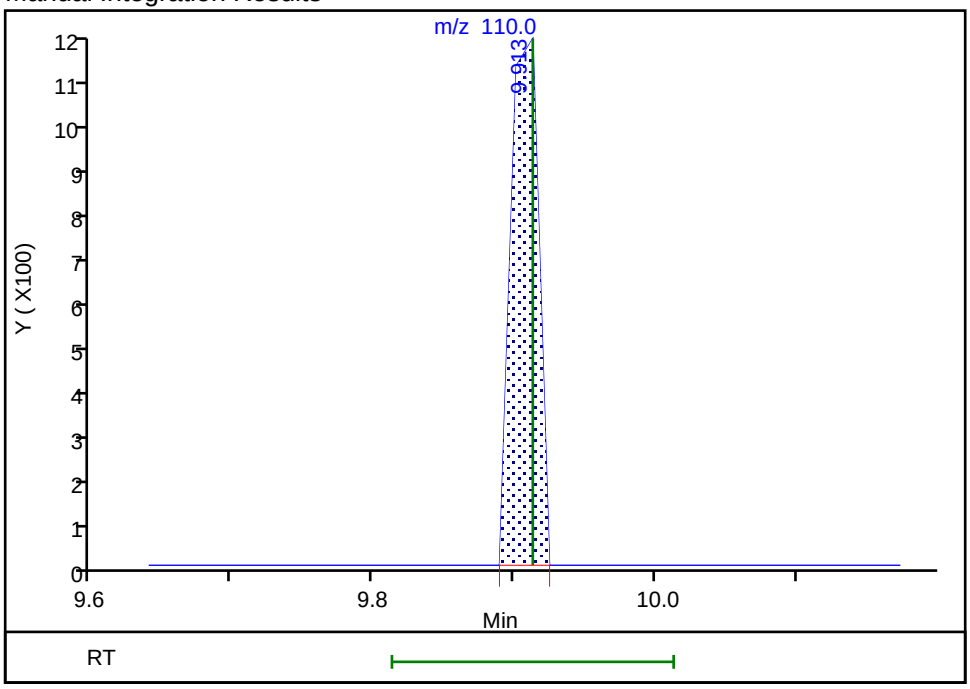
Not Detected
Expected RT: 9.91

Processing Integration Results



Manual Integration Results

RT: 9.91
Area: 1571
Amount: 0.343934
Amount Units: ug/l



Reviewer: bosworthh, 24-Jun-2020 12:38:11
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

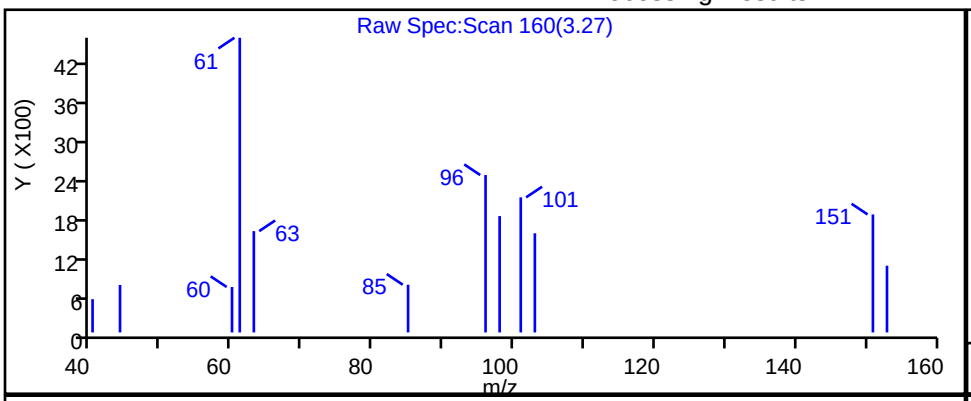
User Disabled Compound Report

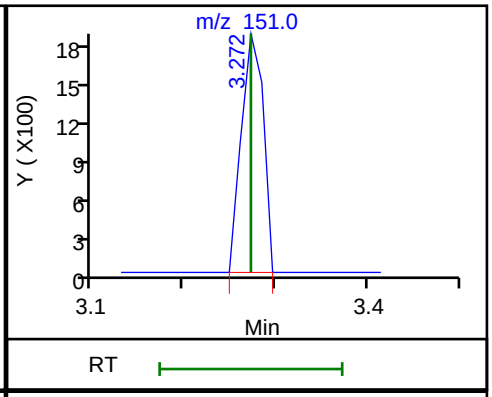
Eurofins TestAmerica, Canton

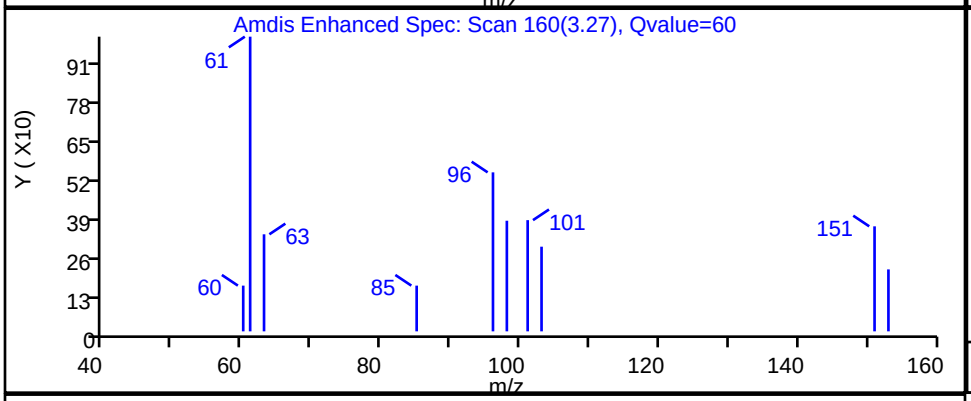
Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D
Injection Date: 24-Jun-2020 12:17:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

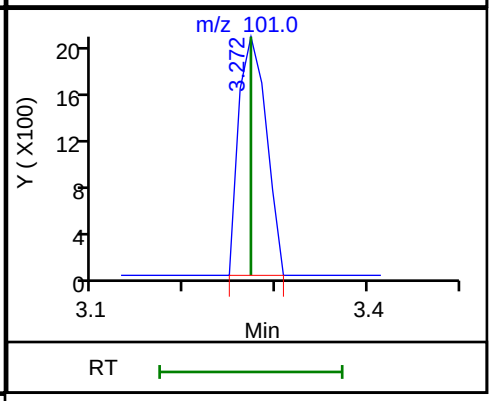
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

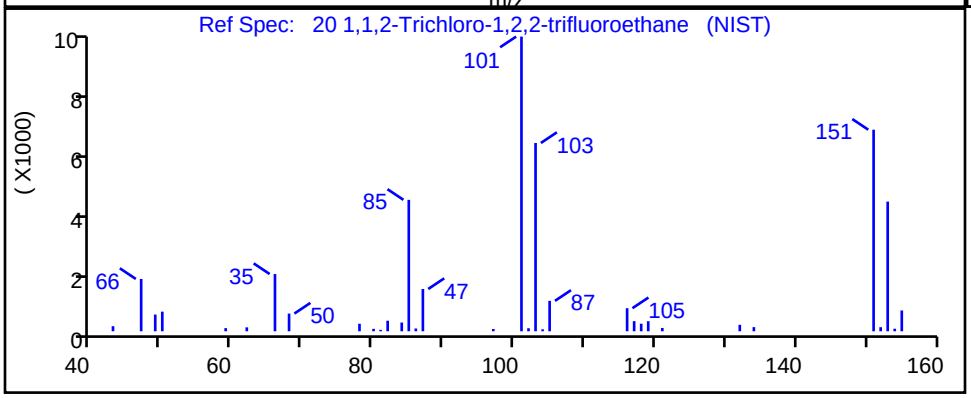
Processing Results











RT	Mass	Response	Amount
3.27	151.00	3000	0.489844
3.27	101.00	4325	

Reviewer: bosworthh, 24-Jun-2020 12:43:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

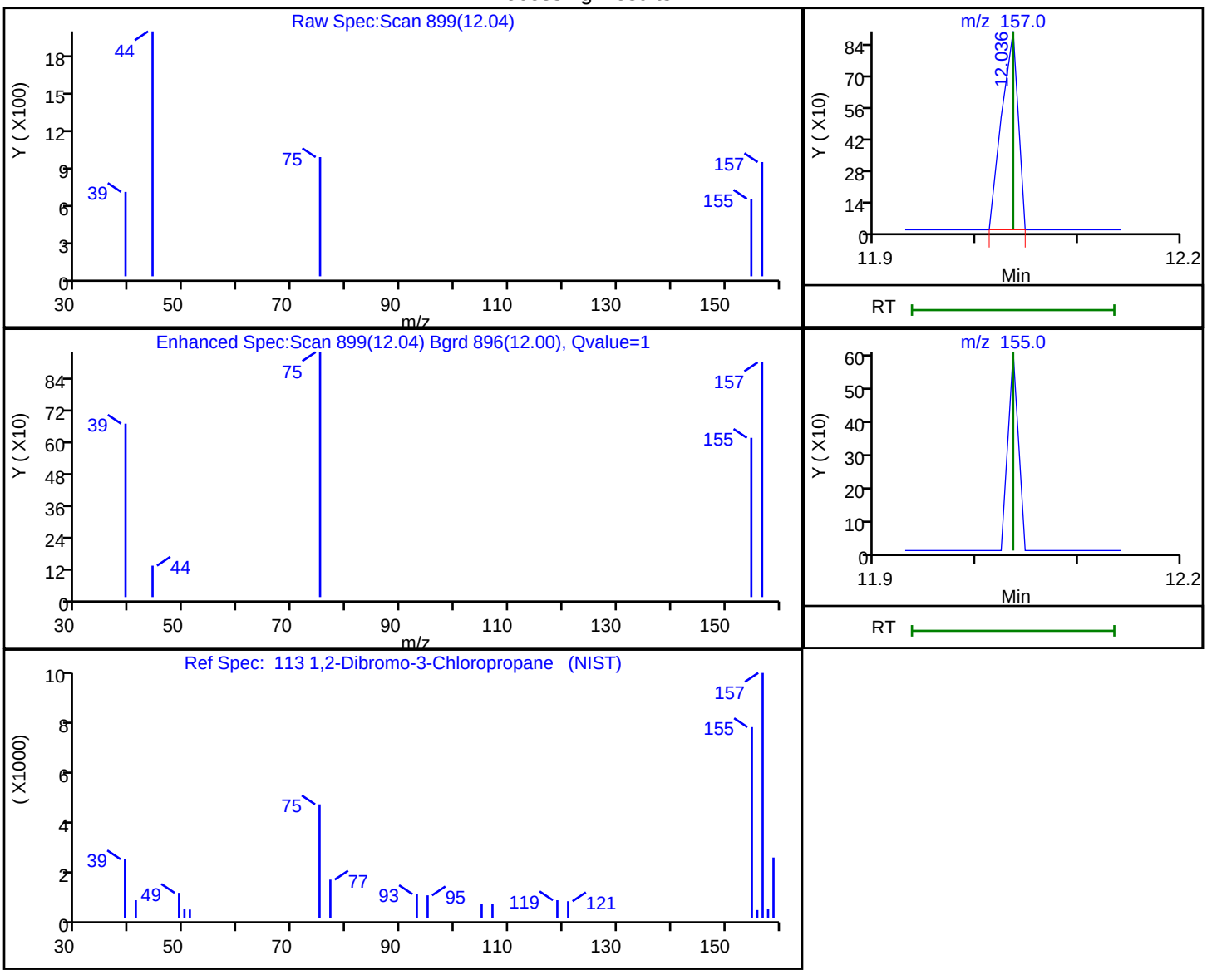
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D				
Injection Date:	24-Jun-2020 12:17:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

113 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Processing Results



RT	Mass	Response	Amount
12.04	157.00	1001	0.521546
12.04	155.00	0	

Reviewer: bosworthh, 24-Jun-2020 12:52:28

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

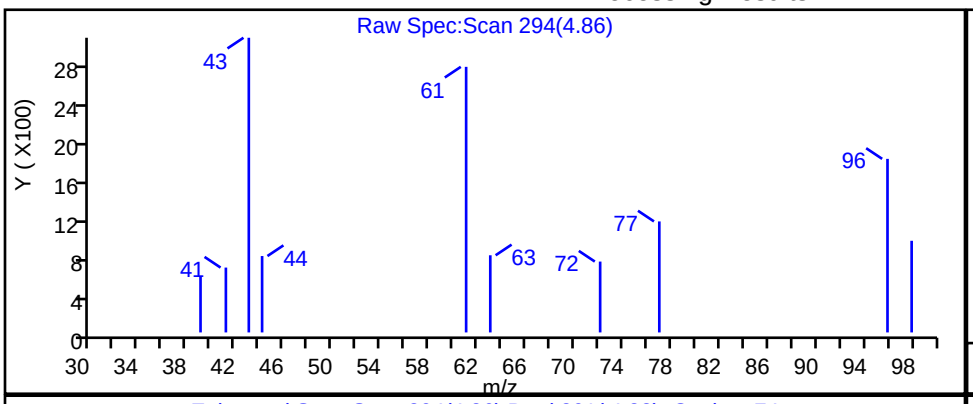
User Disabled Compound Report

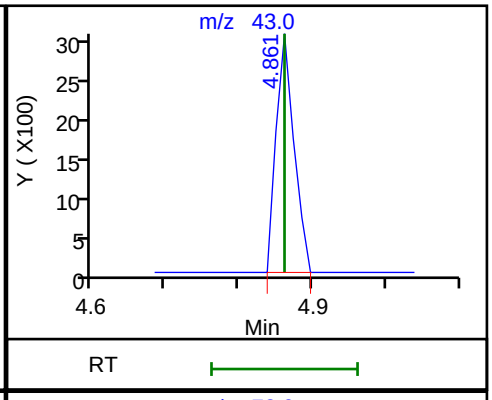
Eurofins TestAmerica, Canton

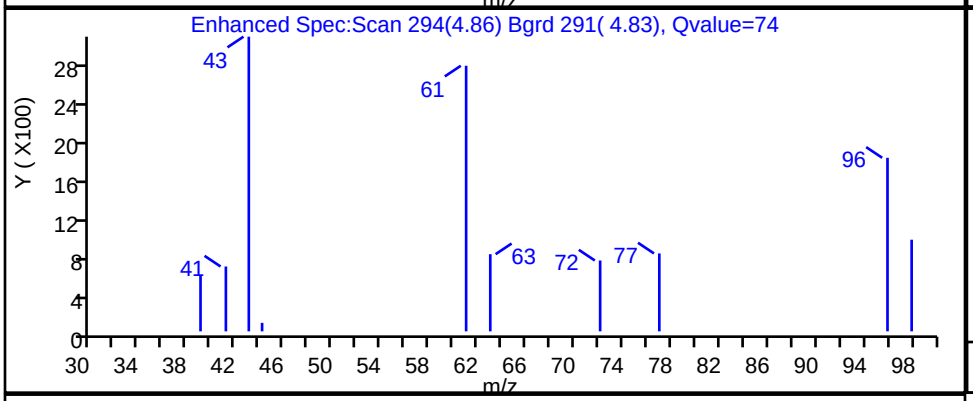
Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D
Injection Date: 24-Jun-2020 12:17:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

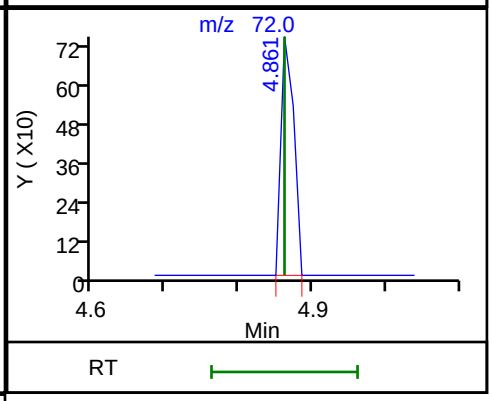
40 2-Butanone (MEK), CAS: 78-93-3

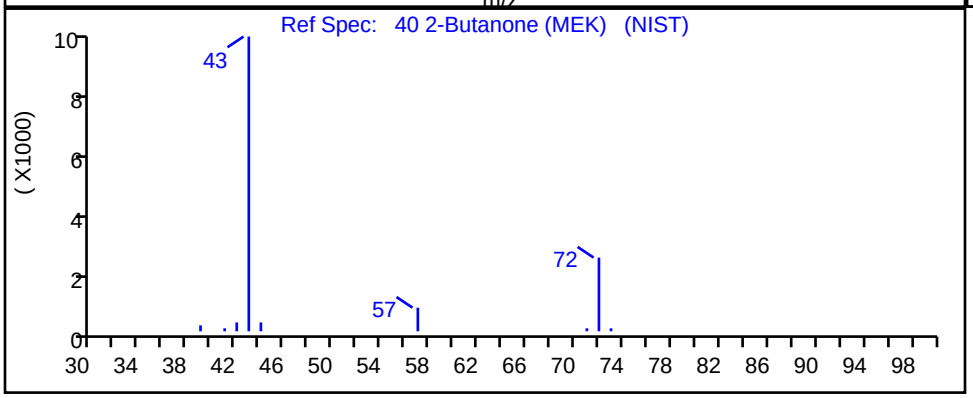
Processing Results











RT	Mass	Response	Amount
4.86	43.00	5241	
4.86	72.00	904	1.021116

Reviewer: bosworthh, 24-Jun-2020 12:45:35
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

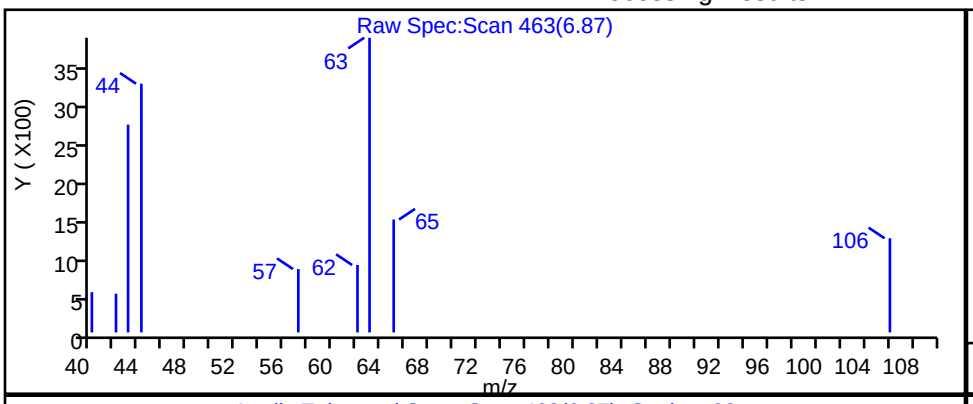
User Disabled Compound Report

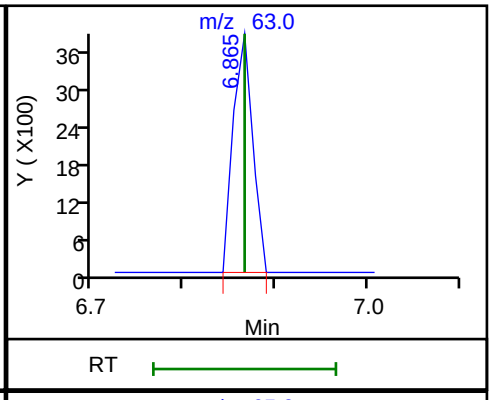
Eurofins TestAmerica, Canton

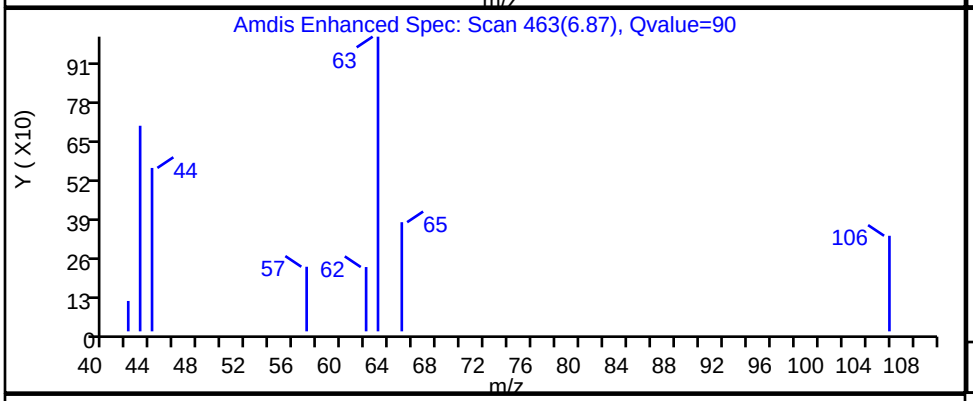
Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D
Injection Date: 24-Jun-2020 12:17:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

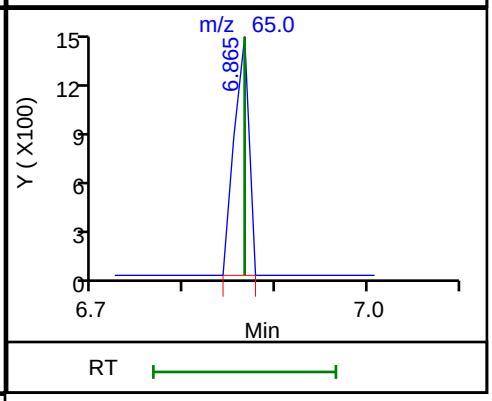
67 2-Chloroethyl vinyl ether, CAS: 110-75-8

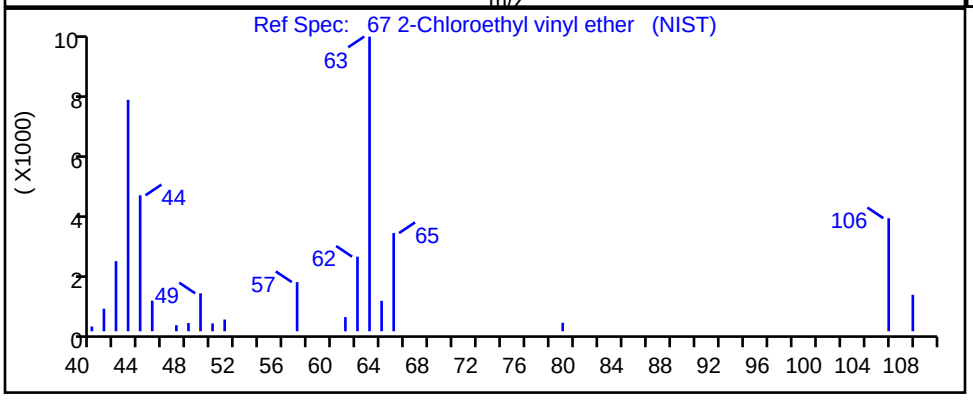
Processing Results











RT	Mass	Response	Amount
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6.87	65.00	1641	

Reviewer: bosworthh, 24-Jun-2020 12:46:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

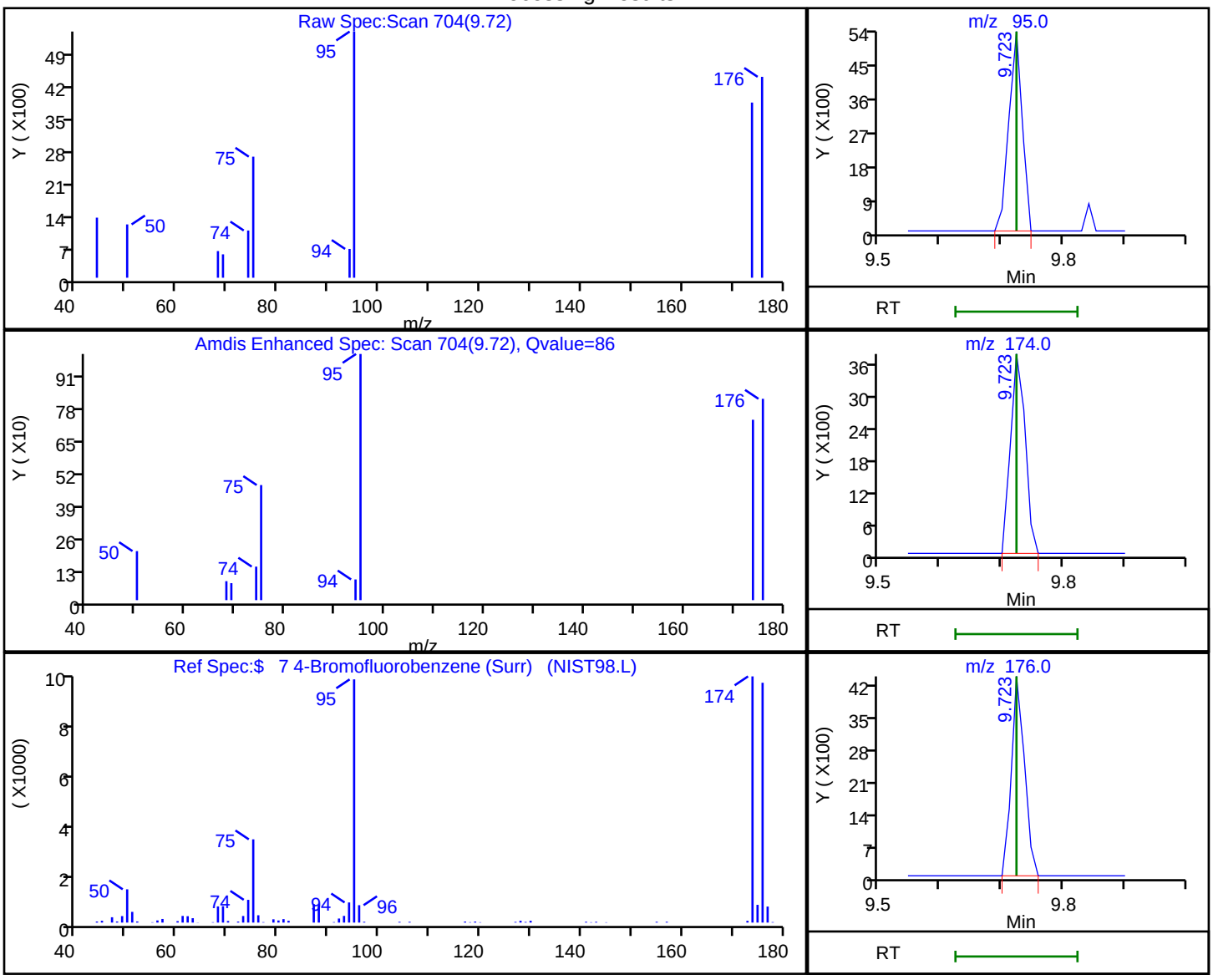
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D
Injection Date: 24-Jun-2020 12:17:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

$ 7 4-Bromofluorobenzene (Surr), CAS: 460-00-4

Processing Results



RT	Mass	Response	Amount
9.72	95.00	8111	0.436317
9.72	174.00	6320	
9.72	176.00	6513	

Reviewer: bosworthh, 24-Jun-2020 12:41:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

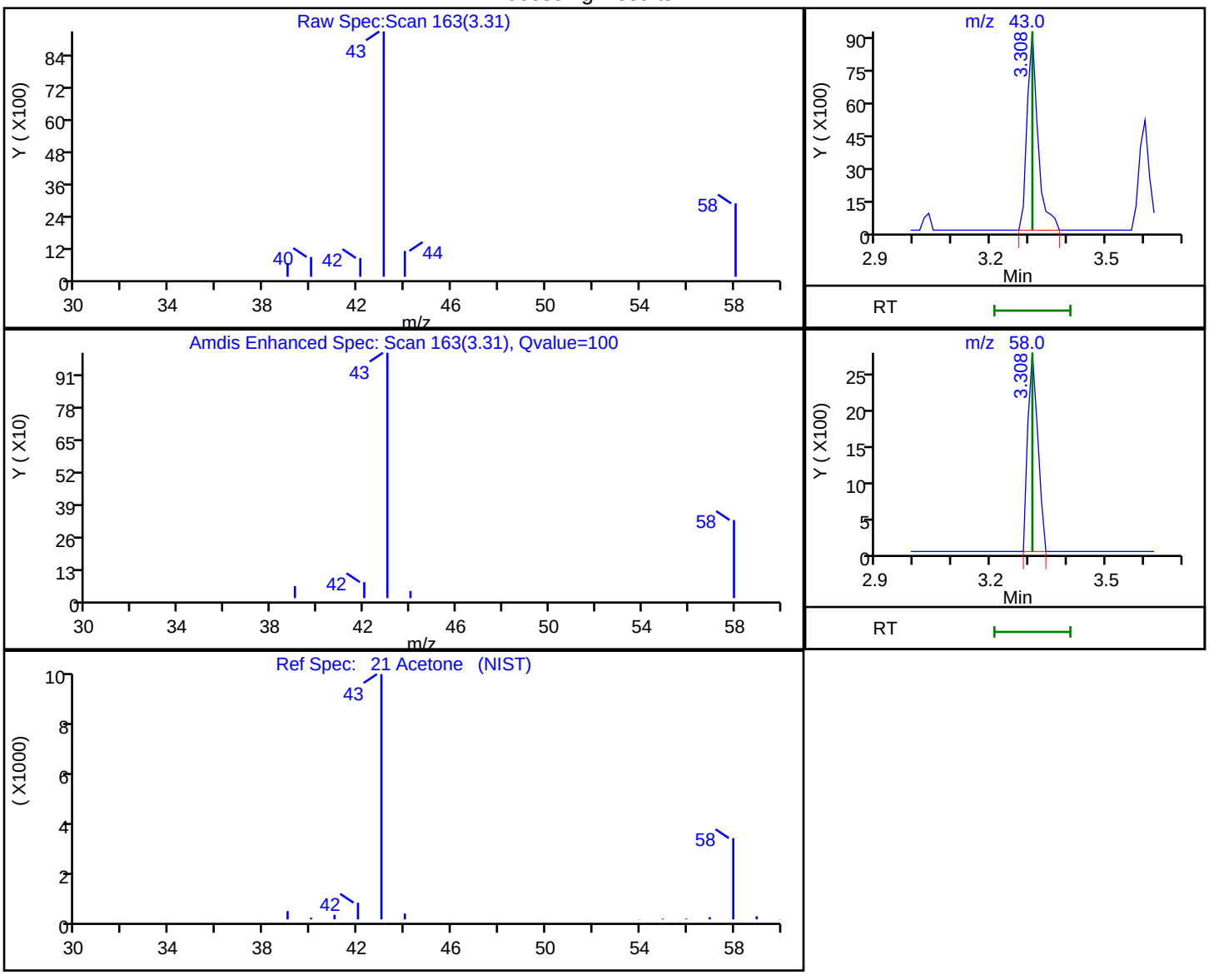
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D
Injection Date: 24-Jun-2020 12:17:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

21 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.31	43.00	18281	
3.31	58.00	5059	1.141436

Reviewer: bosworthh, 24-Jun-2020 12:44:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

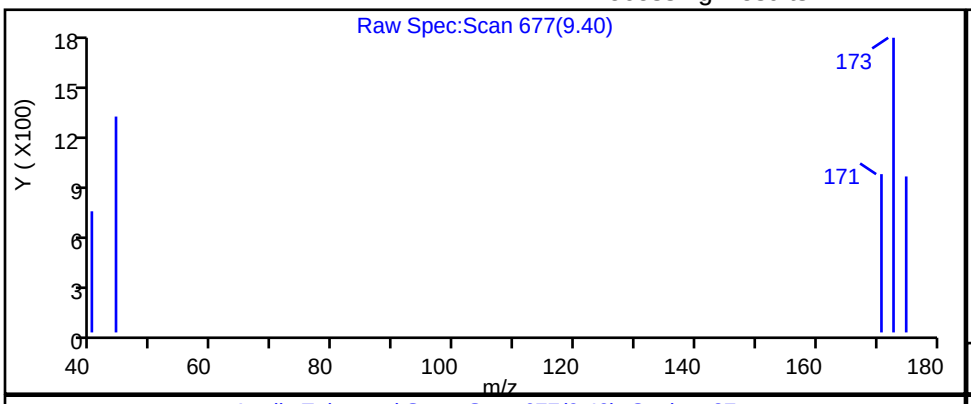
User Disabled Compound Report

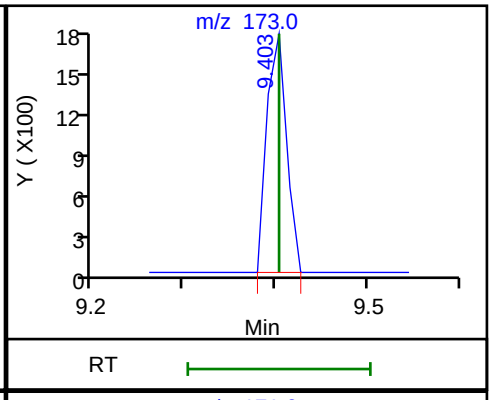
Eurofins TestAmerica, Canton

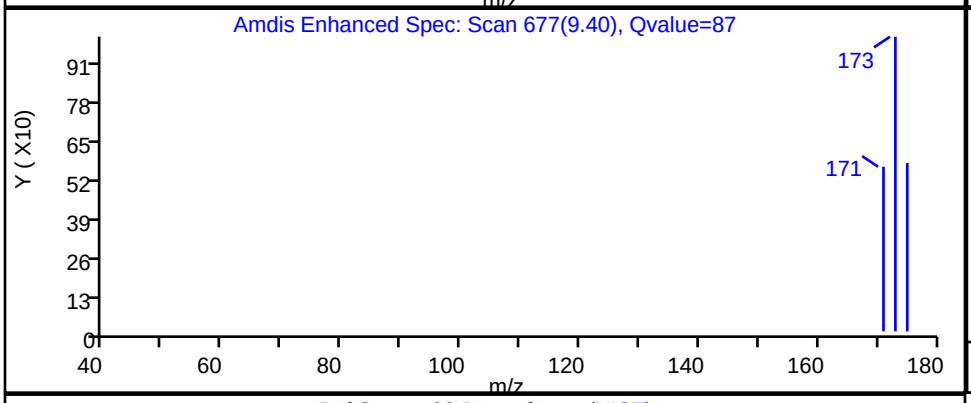
Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D
Injection Date: 24-Jun-2020 12:17:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

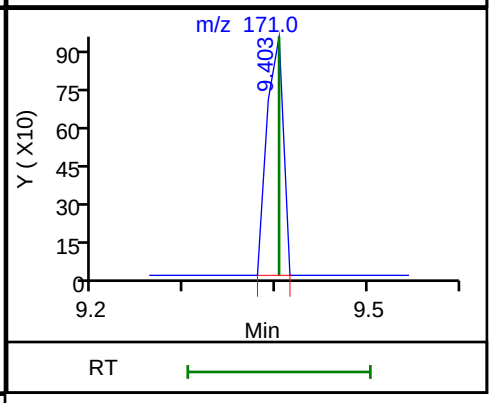
88 Bromoform, CAS: 75-25-2

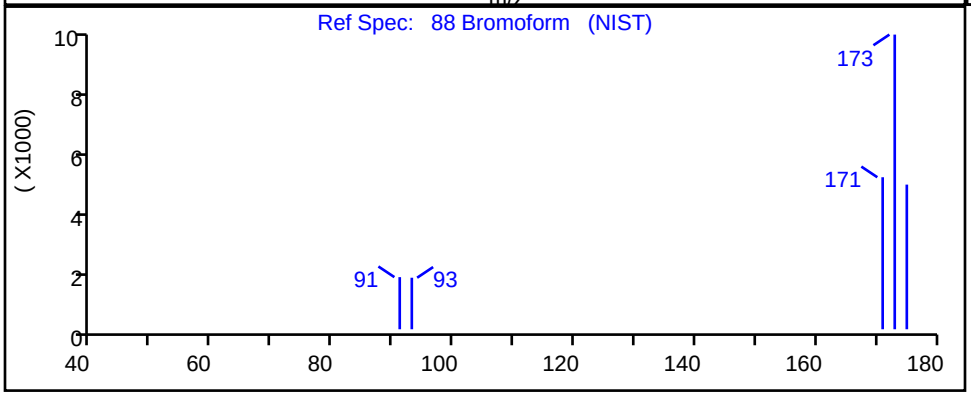
Processing Results











RT	Mass	Response	Amount
9.40	173.00	2660	0.562061
9.40	171.00	1179	

Reviewer: bosworthh, 24-Jun-2020 12:51:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

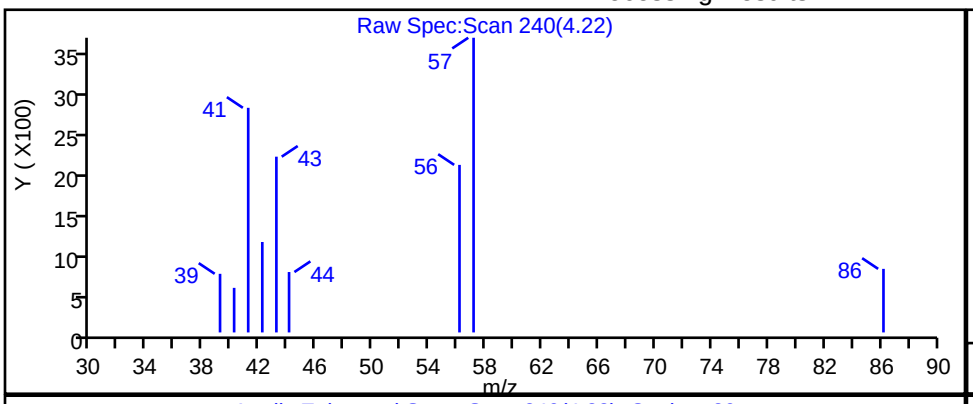
User Disabled Compound Report

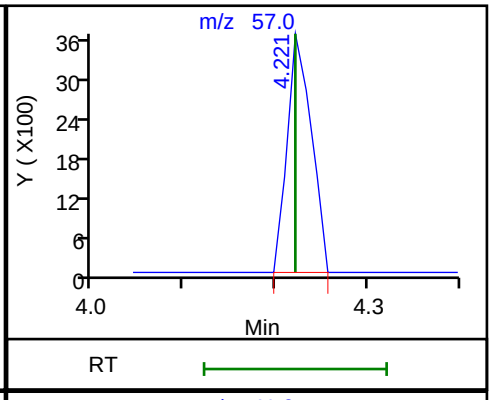
Eurofins TestAmerica, Canton

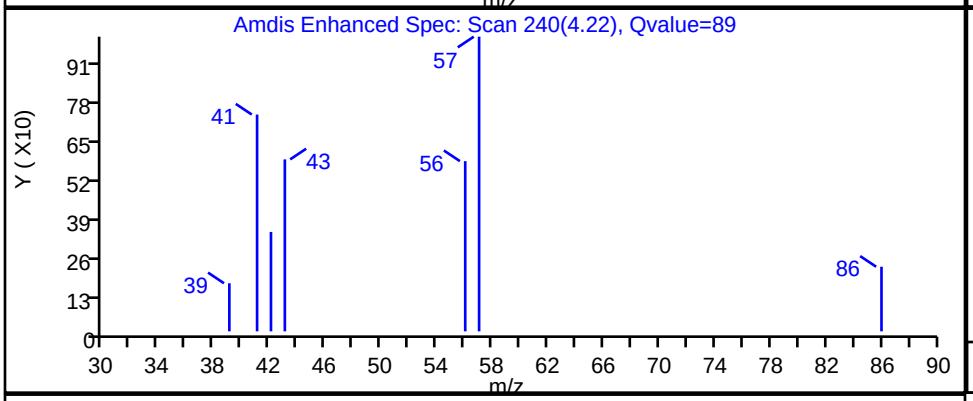
Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D
Injection Date: 24-Jun-2020 12:17:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

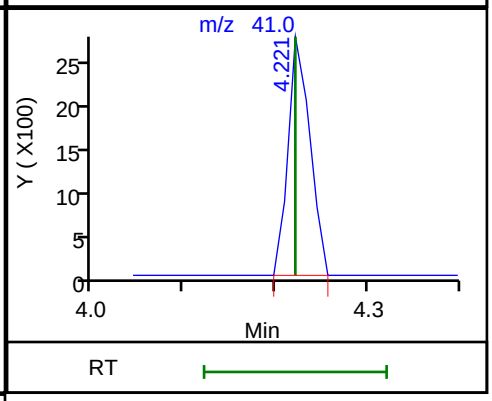
33 Hexane, CAS: 110-54-3

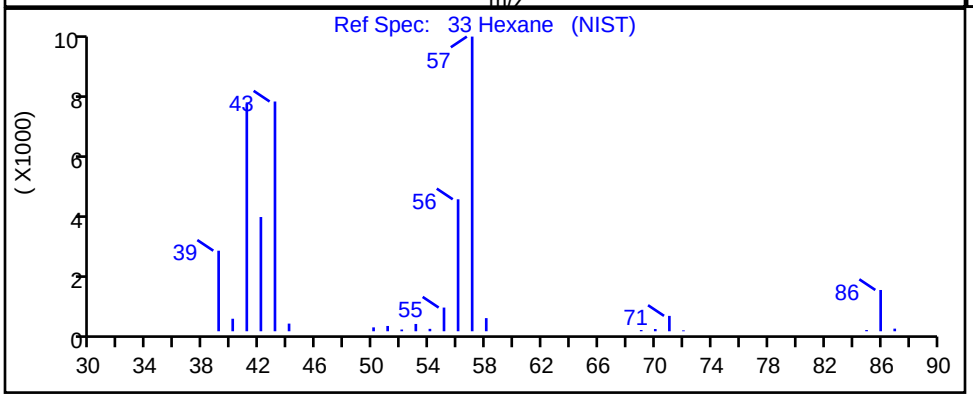
Processing Results











RT	Mass	Response	Amount
4.22	57.00	6644	0.576761
4.22	41.00	4589	

Reviewer: bosworthh, 24-Jun-2020 12:44:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

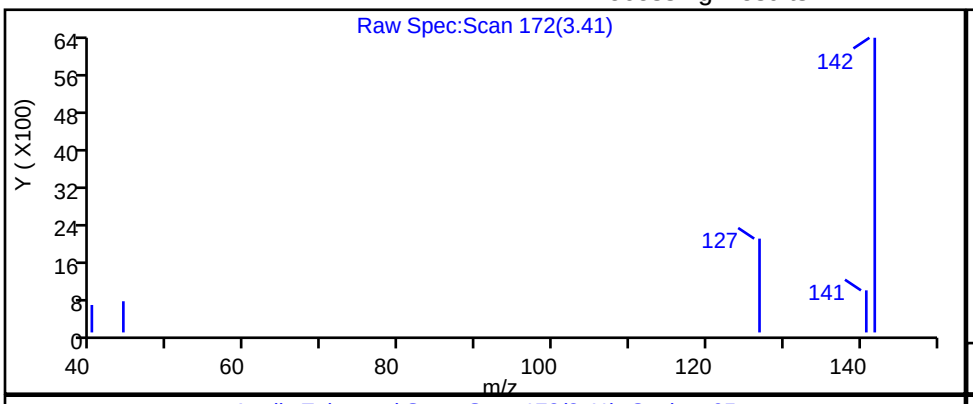
User Disabled Compound Report

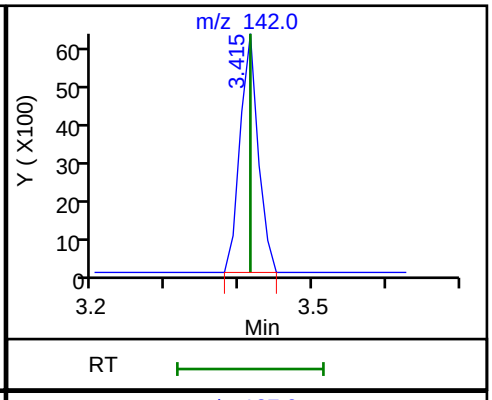
Eurofins TestAmerica, Canton

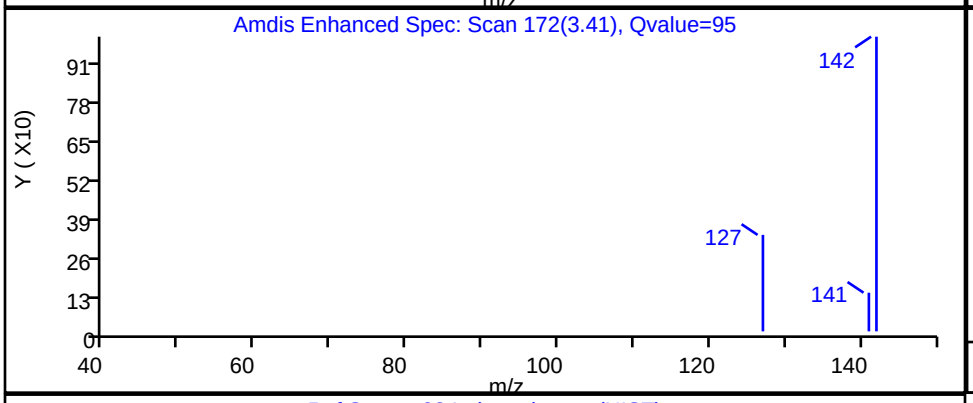
Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D
Injection Date: 24-Jun-2020 12:17:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

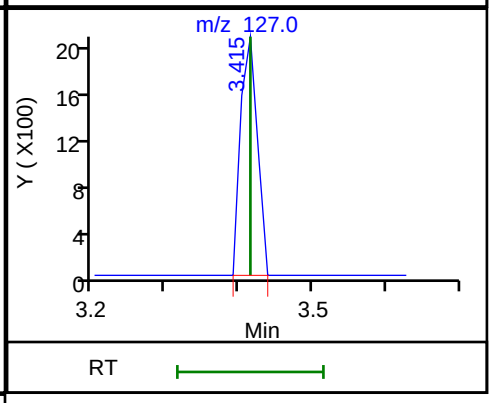
23 Iodomethane, CAS: 74-88-4

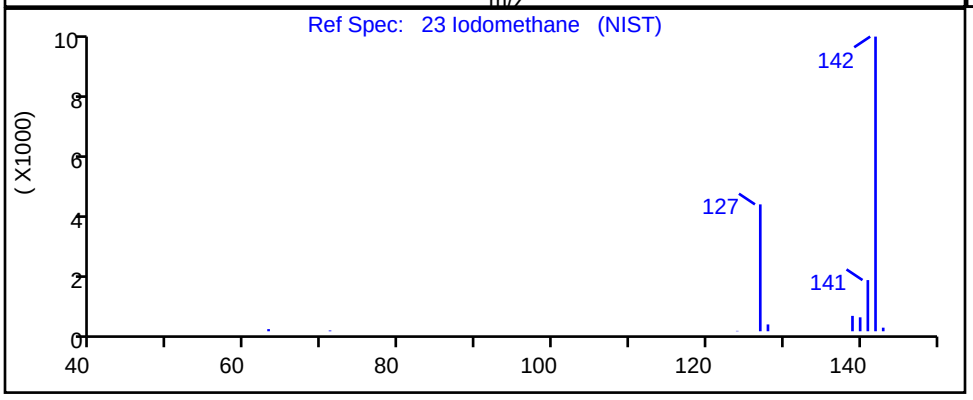
Processing Results











RT	Mass	Response	Amount
3.41	142.00	10941	0.452040
3.41	127.00	3225	

Reviewer: bosworthh, 24-Jun-2020 12:44:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

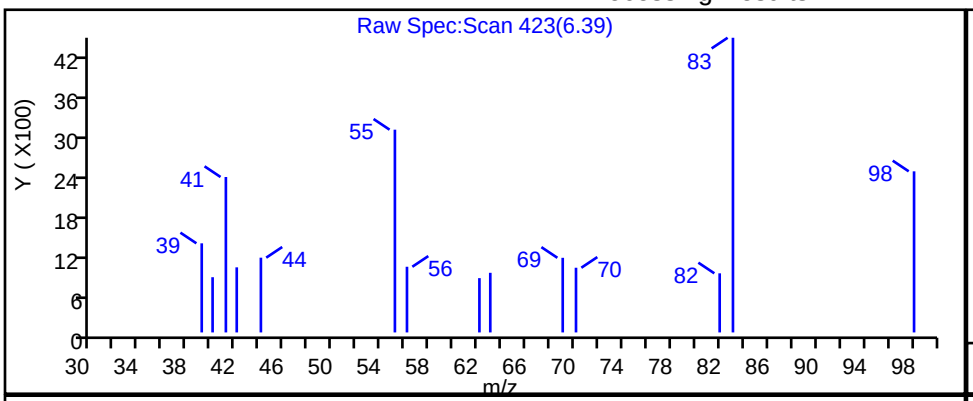
User Disabled Compound Report

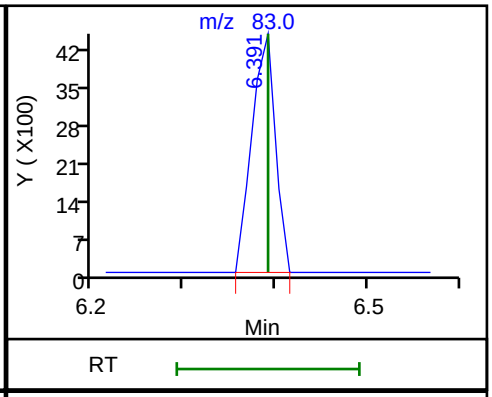
Eurofins TestAmerica, Canton

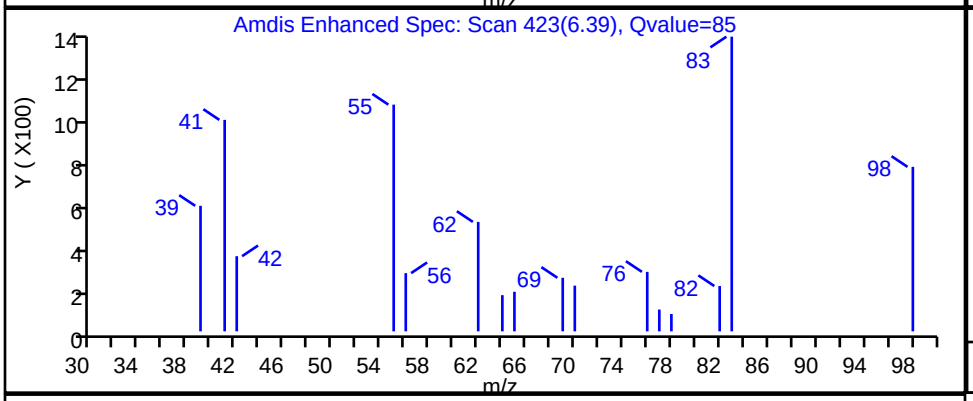
Data File:	\\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D				
Injection Date:	24-Jun-2020 12:17:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

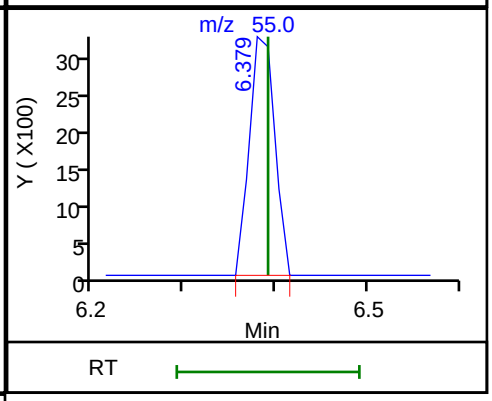
60 Methylcyclohexane, CAS: 108-87-2

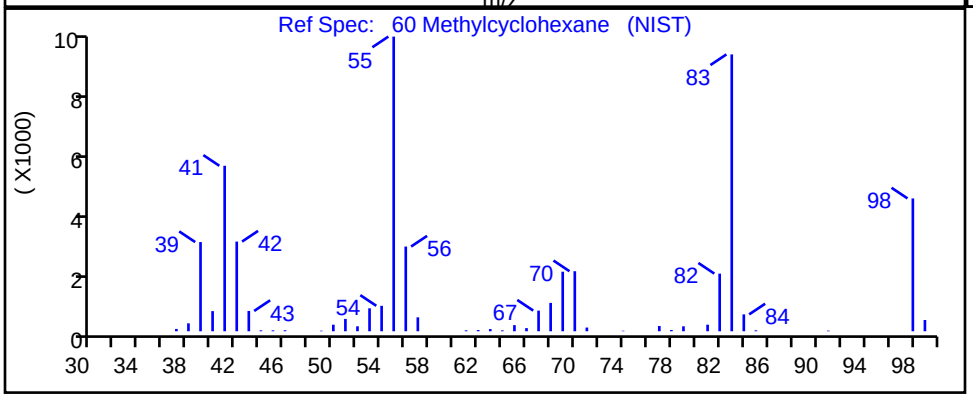
Processing Results











RT	Mass	Response	Amount
6.39	83.00	8017	0.544354
6.38	55.00	6230	

Reviewer: bosworthh, 24-Jun-2020 12:46:18

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

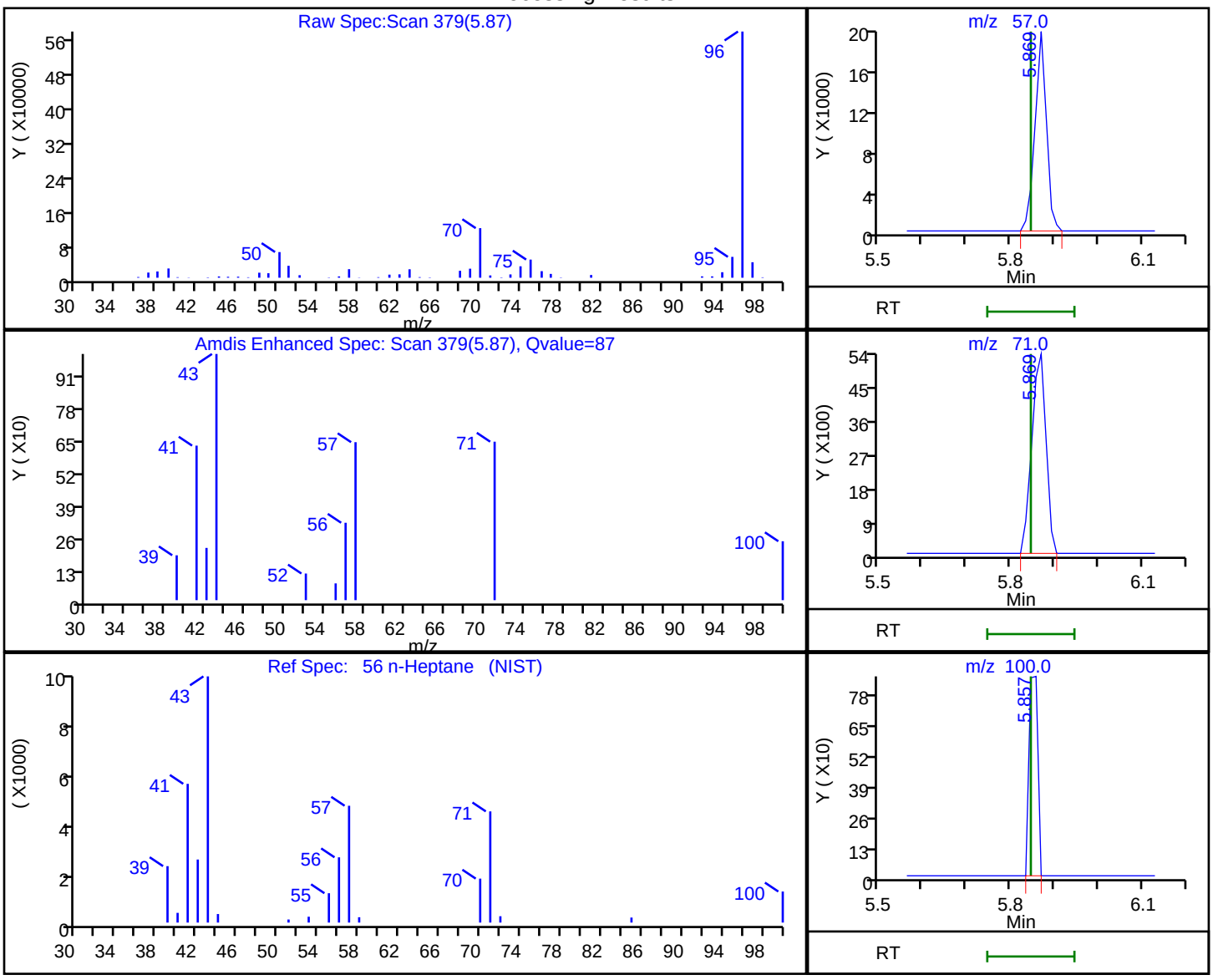
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D		
Injection Date:	24-Jun-2020 12:17:30	Instrument ID:	A3UX16
Lims ID:	std8260 L1		
Client ID:			
Operator ID:	001765	ALS Bottle#:	15 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_16	Limit Group:	MSV 8260C ICAL
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

56 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
5.87	57.00	36395	0.579056
5.87	71.00	12154	
5.86	100.00	1211	

Reviewer: bosworthh, 24-Jun-2020 12:43:02

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

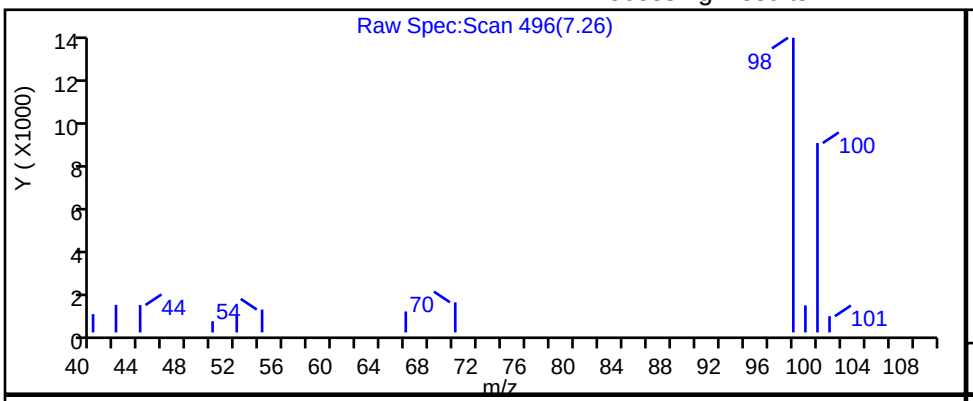
User Disabled Compound Report

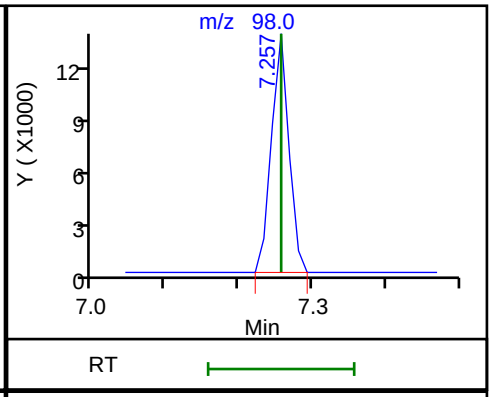
Eurofins TestAmerica, Canton

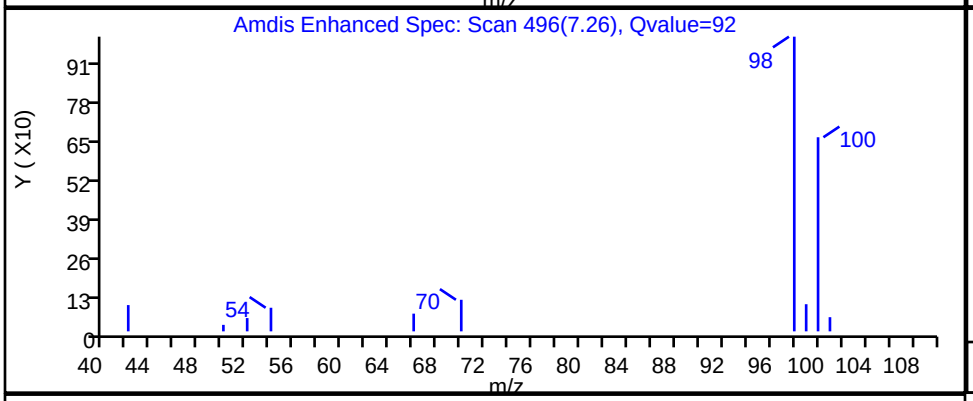
Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D
Injection Date: 24-Jun-2020 12:17:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

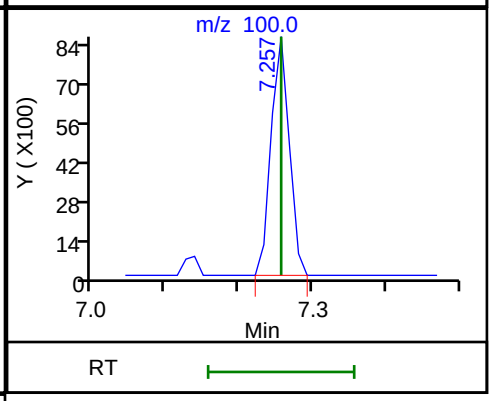
$ 6 Toluene-d8 (Surr), CAS: 2037-26-5

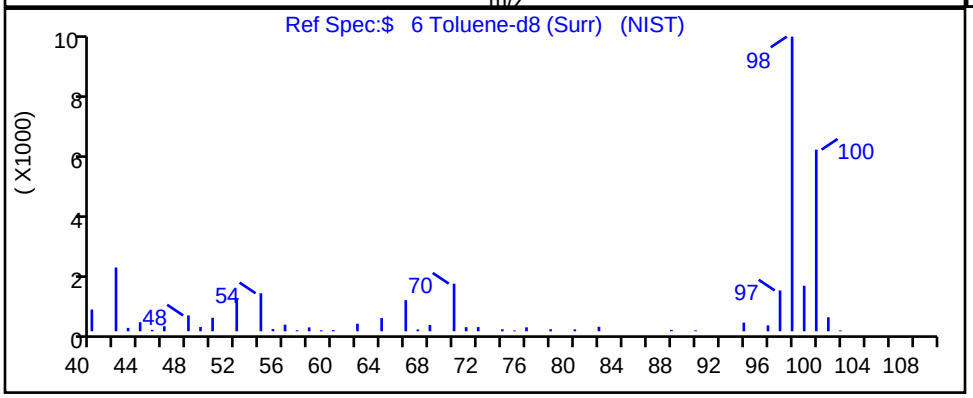
Processing Results











RT	Mass	Response	Amount
7.26	98.00	22337	0.441083
7.26	100.00	14923	

Reviewer: bosworthh, 24-Jun-2020 12:41:36
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, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-337766/13	U1900794.d
Level 2	STD8260 240-337766/12	U1900793.d
Level 3	STD8260 240-337766/11	U1900792.d
Level 4	ICIS 240-337766/10	U1900791.d
Level 5	STD8260 240-337766/9	U1900790.d
Level 6	STD8260 240-337766/3	U1900784.d
Level 7	STD8260 240-337766/2	U1900783.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2985 0.3869	0.3275 0.3899	0.3189	0.3531	0.3613	Ave		0.3480			0.1000	10.0		20.0			
Chloromethane	0.3558 0.3258	0.3705 0.3191	0.3263	0.3392	0.3223	Ave		0.3370			0.1000	5.8		20.0			
Butadiene	0.3408 0.3374	0.3424 0.3377	0.2895	0.3248	0.3219	Ave		0.3278				5.7		20.0			
Vinyl chloride	0.2746 0.3390	0.3544 0.3374	0.3113	0.3366	0.3288	Ave		0.3260			0.1000	8.0		20.0			
Bromomethane	0.2749 0.2254	0.2866 0.2173	0.2405	0.2466	0.2251	Ave		0.2452			0.0500	10.8		20.0			
Chloroethane	0.2109 0.1921	0.2097 0.1854	0.1960	0.2032	0.1901	Ave		0.1982			0.0500	5.0		20.0			
Dichlorofluoromethane	0.5221 0.4475	0.4917 0.4372	0.4526	0.4727	0.4486	Ave		0.4675				6.5		20.0			
Trichlorofluoromethane	0.4494 0.4561	0.4680 0.4427	0.3932	0.4472	0.4396	Ave		0.4423			0.1000	5.3		20.0			
Ethyl ether	0.2193 0.1979	0.2111 0.1891	0.1902	0.1939	0.1890	Ave		0.1987				6.0		20.0			
Acrolein	0.0586 0.0546	0.0507 0.0535	0.0446	0.0490	0.0542	Ave		0.0522				8.7		20.0			
1,1-Dichloroethene	0.3808 0.3850	0.3828 0.3735	0.3902	0.3740	0.3655	Ave		0.3788			0.1000	2.2		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2602 0.2706	0.2860 0.2683	0.2820	0.2661	0.2580	Ave		0.2702			0.0500	3.9		20.0			
Acetone	+++++ 0.0784	0.0790 0.0643	0.0549	0.0580	0.0606	Ave		0.0659			0.0100	15.8		20.0			
Iodomethane	0.4645 0.4649	0.4824 0.4542	0.4796	0.4736	0.4610	Ave		0.4686				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
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

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								
Carbon disulfide	1.0264 0.7904	0.9769 0.7703	0.8143	0.7839	0.7630	Ave		0.8465			0.1000	12.8		20.0			
3-Chloro-1-propene	0.4236 0.3955	0.4245 0.3845	0.3864	0.3828	0.3812	Ave		0.3969				4.8		20.0			
Methyl acetate	0.2893 0.2388	0.2199 0.2093	0.2069	0.2105	0.2113	Ave		0.2266			0.1000	13.1		20.0			
Methylene Chloride	+++++ 0.2977	0.3380 0.2854	0.3031	0.3009	0.2892	Ave		0.3024			0.1000	6.2		20.0			
2-Methyl-2-propanol	+++++ 0.0272	0.0286 +++++	0.0233	0.0231	0.0210	Ave		0.0246				12.8		20.0			
Acrylonitrile	0.1149 0.1149	0.0936 0.0991	0.0942	0.0985	0.1008	Ave		0.1023				8.8		20.0			
trans-1,2-Dichloroethene	0.4272 0.3621	0.3980 0.3508	0.3681	0.3544	0.3490	Ave		0.3728			0.1000	7.8		20.0			
Methyl tert-butyl ether	0.6889 0.7038	0.7226 0.6502	0.7037	0.7046	0.6888	Ave		0.6946			0.1000	3.3		20.0			
Hexane	0.4016 0.4127	0.4088 0.4136	0.4369	0.3839	0.3905	Ave		0.4069				4.3		20.0			
1,1-Dichloroethane	0.4297 0.4479	0.4309 0.4358	0.4483	0.4451	0.4391	Ave		0.4395			0.2000	1.8		20.0			
Vinyl acetate	0.4180 0.4211	0.3784 0.4083	0.3943	0.3850	0.3928	Ave		0.3997				4.1		20.0			
cis-1,2-Dichloroethene	0.3259 0.3058	0.3308 0.2928	0.3020	0.3030	0.2971	Ave		0.3082			0.1000	4.7		20.0			
2-Butanone (MEK)	+++++ 0.0411	0.0357 0.0381	0.0358	0.0358	0.0391	Ave		0.0376			0.0100	6.0		20.0			
2,2-Dichloropropane	0.2667 0.2404	0.2856 0.2633	0.2822	0.2661	0.2457	Ave		0.2643				6.4		20.0			
Chlorobromomethane	0.2447 0.2004	0.2207 0.1830	0.1878	0.1937	0.1884	Ave		0.2027				11.0		20.0			
Tetrahydrofuran	0.0995 0.1054	0.1040 0.0940	0.0907	0.0913	0.0950	Ave		0.0971				6.1		20.0			
Chloroform	0.4629 0.4616	0.4798 0.4429	0.4485	0.4541	0.4433	Ave		0.4561			0.2000	2.9		20.0			
1,1,1-Trichloroethane	0.3956 0.4177	0.3988 0.4154	0.4324	0.4070	0.4089	Ave		0.4108			0.1000	3.0		20.0			
Cyclohexane	0.4246 0.4364	0.4382 0.4292	0.4507	0.4156	0.4161	Ave		0.4301			0.1000	3.0		20.0			
1,1-Dichloropropene	0.3755 0.3758	0.3903 0.3692	0.3840	0.3595	0.3614	Ave		0.3737				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, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

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								
Carbon tetrachloride	0.3639 0.3981	0.3846 0.3917	0.3944	0.3722	0.3729	Ave		0.3825			0.1000	3.4		20.0			
Isobutyl alcohol	0.0095 0.0104	0.0071 0.0087	0.0088	0.0079	0.0092	Ave		0.0088				12.2		20.0			
Benzene	0.9890 1.0452	1.0827 1.0051	1.0373	1.0007	1.0215	Ave		1.0259			0.5000	3.1		20.0			
1,2-Dichloroethane	0.3674 0.3257	0.3549 0.3127	0.3205	0.3110	0.3150	Ave		0.3296			0.1000	6.8		20.0			
n-Heptane	+++++ 0.2252	0.7970 0.2266	0.2839	0.2324	0.2217	Lin1	0.5799	0.2147				4.3			0.9990		0.9900
Trichloroethene	0.3122 0.3167	0.3258 0.3140	0.3258	0.3068	0.3105	Ave		0.3160			0.1500	2.3		20.0			
Methylcyclohexane	0.4985 0.5342	0.5073 0.5200	0.5394	0.4970	0.4957	Ave		0.5132			0.1000	3.6		20.0			
1,2-Dichloropropane	0.2050 0.2404	0.2394 0.2326	0.2309	0.2270	0.2376	Ave		0.2304			0.1000	5.3		20.0			
Dibromomethane	0.2379 0.2151	0.2154 0.2010	0.2009	0.2115	0.2105	Ave		0.2132				5.8		20.0			
1,4-Dioxane	+++++ 0.0024	0.0017 0.0024	0.0024	0.0024	0.0023	Ave		0.0023				13.5		20.0			
Dichlorobromomethane	0.3232 0.3408	0.3027 0.3295	0.3203	0.3127	0.3310	Ave		0.3229			0.1500	3.9		20.0			
2-Chloroethyl vinyl ether	0.1601 0.1755	0.1580 0.1783	0.1797	0.1698	0.1774	Ave		0.1713				5.2		20.0			
cis-1,3-Dichloropropene	0.3599 0.3873	0.3811 0.3872	0.3686	0.3735	0.3865	Ave		0.3777			0.1500	2.8		20.0			
4-Methyl-2-pentanone (MIBK)	0.2834 0.3221	0.2998 0.3046	0.3240	0.2983	0.3095	Ave		0.3059			0.0500	4.6		20.0			
Toluene	1.5618 1.4027	1.4672 1.4180	1.4098	1.3276	1.3894	Ave		1.4252			0.4000	5.1		20.0			
trans-1,3-Dichloropropene	0.4760 0.4702	0.4587 0.4631	0.4478	0.4252	0.4649	Ave		0.4580			0.1000	3.7		20.0			
Ethyl methacrylate	0.4185 0.4604	0.4061 0.4531	0.4309	0.4112	0.4583	Ave		0.4341				5.3		20.0			
1,1,2-Trichloroethane	0.2547 0.2895	0.2773 0.2862	0.2834	0.2725	0.2908	Ave		0.2792			0.1000	4.5		20.0			
Tetrachloroethene	0.4086 0.4320	0.4228 0.4317	0.4309	0.4048	0.4173	Ave		0.4212			0.1500	2.7		20.0			
1,3-Dichloropropane	0.4853 0.4890	0.5028 0.4855	0.4893	0.4635	0.4865	Ave		0.4860				2.4		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, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.2860 0.3061	0.2740 0.2989	0.3048	0.2770	0.2999	Ave		0.2924			0.0500	4.5		20.0			
Chlorodibromomethane	0.3153 0.3531	0.3347 0.3456	0.3254	0.3197	0.3424	Ave		0.3337				4.2		20.0			
Ethylene Dibromide	0.3316 0.3186	0.3371 0.3125	0.3153	0.3013	0.3163	Ave		0.3190				3.8		20.0			
Chlorobenzene	0.9988 0.9439	1.0195 0.9268	0.9392	0.9052	0.9346	Ave		0.9526			0.3000	4.3		20.0			
1,1,1,2-Tetrachloroethane	0.2852 0.3466	0.3288 0.3341	0.3290	0.3310	0.3341	Ave		0.3270				5.9		20.0			
Ethylbenzene	0.4594 0.5246	0.5226 0.5211	0.5127	0.4996	0.5108	Ave		0.5073				4.5		20.0			
m-Xylene & p-Xylene	0.6169 0.6437	0.6148 0.6359	0.6355	0.6137	0.6232	Ave		0.6262				1.9		20.0			
o-Xylene	0.5941 0.6233	0.5896 0.6029	0.6245	0.6014	0.5968	Ave		0.6047				2.3		20.0			
Styrene	0.9580 1.0545	0.9583 1.0320	1.0135	0.9872	1.0201	Ave		1.0034			0.3000	3.7		20.0			
Bromoform	+++++ 0.2846	0.2440 0.2826	0.2606	0.2566	0.2726	Ave		0.2668			0.1000	6.0		20.0			
Isopropylbenzene	1.5546 1.6483	1.5581 1.6164	1.6482	1.5866	1.5868	Ave		1.5999			0.1000	2.4		20.0			
1,1,2,2-Tetrachloroethane	0.7561 0.8073	0.8321 0.7913	0.8175	0.7659	0.8099	Ave		0.7972			0.3000	3.5		20.0			
Bromobenzene	0.8153 0.7490	0.7267 0.7427	0.7731	0.7237	0.7577	Ave		0.7555				4.2		20.0			
1,2,3-Trichloropropane	0.3160 0.2796	0.2566 0.2769	0.2966	0.2651	0.2852	Ave		0.2823				7.0		20.0			
trans-1,4-Dichloro-2-butene	0.2699 0.2473	0.2213 0.2516	0.2435	0.2261	0.2517	Ave		0.2445				6.7		20.0			
N-Propylbenzene	0.7798 0.8210	0.7523 0.8202	0.8514	0.7731	0.8029	Ave		0.8001				4.2		20.0			
2-Chlorotoluene	0.6509 0.6957	0.7125 0.6833	0.7132	0.6770	0.6858	Ave		0.6883				3.1		20.0			
1,3,5-Trimethylbenzene	2.0585 2.3418	2.1282 2.3386	2.4321	2.2627	2.2905	Ave		2.2646				5.7		20.0			
4-Chlorotoluene	0.7199 0.7173	0.7260 0.7141	0.7528	0.6936	0.7171	Ave		0.7201				2.4		20.0			
tert-Butylbenzene	2.0893 2.2086	2.2305 2.1805	2.3049	2.0958	2.1272	Ave		2.1767				3.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.3016 2.3641	2.3139 2.3974	2.4350	2.3225	2.3165	Ave		2.3501				2.1		20.0			
sec-Butylbenzene	2.8312 3.0965	2.8639 3.1341	3.2011	2.9684	2.9595	Ave		3.0078				4.6		20.0			
1,3-Dichlorobenzene	1.6206 1.4203	1.5501 1.4165	1.4543	1.3821	1.4074	Ave		1.4645			0.6000	6.0		20.0			
4-Isopropyltoluene	2.3868 2.6740	2.3755 2.7456	2.7383	2.5786	2.5586	Ave		2.5796				5.9		20.0			
1,4-Dichlorobenzene	1.7882 1.4335	1.6574 1.4328	1.4853	1.4002	1.4320	Ave		1.5185			0.5000	9.7		20.0			
n-Butylbenzene	2.0220 2.3242	2.1252 2.3914	2.3447	2.2111	2.1782	Ave		2.2281				5.9		20.0			
1,2-Dichlorobenzene	1.3936 1.3079	1.4283 1.3217	1.3446	1.2913	1.2861	Ave		1.3391			0.4000	4.0		20.0			
1,2-Dibromo-3-Chloropropane	0.2394 0.2501	0.2225 0.2556	0.2287	0.2293	0.2369	Ave		0.2375			0.0500	5.0		20.0			
1,2,4-Trichlorobenzene	1.0063 0.8577	1.0084 0.9508	0.8893	0.8765	0.8484	Ave		0.9196			0.2000	7.4		20.0			
Hexachlorobutadiene	0.4988 0.4431	0.5134 0.5128	0.4874	0.4604	0.4444	Ave		0.4800				6.4		20.0			
Naphthalene	2.5280 2.5374	2.6896 2.7560	2.5594	2.5256	2.5586	Ave		2.5935				3.5		20.0			
1,2,3-Trichlorobenzene	0.8270 0.7867	0.8451 0.9084	0.8355	0.8114	0.8072	Ave		0.8316				4.7		20.0			
Dibromofluoromethane (Surr)	0.2924 0.2586	0.2650 0.2453	0.2515	0.2531	0.2466	Ave		0.2589				6.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3213 0.2669	0.3001 0.2485	0.2625	0.2659	0.2555	Ave		0.2744				9.6		20.0			
Toluene-d8 (Surr)	1.2522 1.2151	1.2033 1.2031	1.2111	1.1433	1.2004	Ave		1.2041				2.7		20.0			
4-Bromofluorobenzene (Surr)	0.5696 0.4390	0.4918 0.4279	0.4472	0.4315	0.4318	Ave		0.4627				11.2		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, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-337766/13	U1900794.d
Level 2	STD8260 240-337766/12	U1900793.d
Level 3	STD8260 240-337766/11	U1900792.d
Level 4	ICIS 240-337766/10	U1900791.d
Level 5	STD8260 240-337766/9	U1900790.d
Level 6	STD8260 240-337766/3	U1900784.d
Level 7	STD8260 240-337766/2	U1900783.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	6894 1134505	14647 1522047	151920	328230	708511	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloromethane	FB	Ave	8217 955231	16570 1245553	155433	315290	632033	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Butadiene	FB	Ave	7871 989374	15313 1318121	137925	301883	631099	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl chloride	FB	Ave	6342 993940	15847 1317064	148293	312915	644632	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromomethane	FB	Ave	6350 660888	12818 848050	114577	229239	441425	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloroethane	FB	Ave	4872 563348	9377 723733	93395	188891	372825	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dichlorofluoromethane	FB	Ave	12059 1312016	21989 1706469	215631	439391	879608	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Trichlorofluoromethane	FB	Ave	10381 1337225	20928 1728039	187339	415720	861954	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl ether	FB	Ave	5066 580370	9442 738330	90620	180269	370565	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acrolein	FB	Ave	6772 800130	11339 1043418	106196	227879	531628	2.50 300	5.00 400	50.0	100	200
1,1-Dichloroethene	FB	Ave	8796 1128785	17119 1458107	185910	347690	716665	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	6009 793296	12789 1047375	134365	247358	505930	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acetone	FB	Ave	+++++ 459712	7064 501797	52355	107763	237768	+++++ 120	2.00 160	20.0	40.0	80.0
Iodomethane	FB	Ave	10728 1363038	21574 1772860	228493	440198	903919	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon disulfide	FB	Ave	23708 2317545	43688 3006958	387941	728690	1496184	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

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
3-Chloro-1-propene	FB	Ave	9784 1159498	18985 1500878	184068	355801	747474	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methyl acetate	FB	Ave	13362 1400331	19667 1633788	197122	391356	828794	1.00 120	2.00 160	20.0	40.0	80.0
Methylene Chloride	FB	Ave	+++++ 872855	15117 1113978	144386	279726	566982	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
2-Methyl-2-propanol	FB	Ave	+++++ 798354	12788 +++++	110777	215092	411966	+++++ 600	10.0 +++++	100	200	400
Acrylonitrile	FB	Ave	26540 3368428	41875 3868018	448754	915892	1977138	5.00 600	10.0 800	100	200	400
trans-1,2-Dichloroethene	FB	Ave	9868 1061569	17800 1369327	175373	329454	684359	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methyl tert-butyl ether	FB	Ave	15911 2063462	32315 2537900	335243	654948	1350698	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexane	FB	Ave	9277 1210166	18280 1614587	208123	356826	765779	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloroethane	FB	Ave	9924 1313347	19272 1701003	213583	413734	860929	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl acetate	FB	Ave	9654 1234805	16923 1593713	187841	357825	770166	0.500 60.0	1.00 80.0	10.0	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	7528 896669	14795 1142993	143871	281663	582599	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Butanone (MEK)	FB	Ave	+++++ 241145	3193 297238	34072	66486	153177	+++++ 120	2.00 160	20.0	40.0	80.0
2,2-Dichloropropane	FB	Ave	6159 704769	12773 1027916	134434	247316	481767	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chlorobromomethane	FB	Ave	5651 587580	9868 714392	89489	180080	369472	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrahydrofuran	FB	Ave	4596 618274	9301 734202	86462	169823	372381	1.00 120	2.00 160	20.0	40.0	80.0
Chloroform	FB	Ave	10692 1353439	21458 1728769	213657	422069	869181	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1-Trichloroethane	FB	Ave	9137 1224716	17835 1621508	206006	378348	801860	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Cyclohexane	FB	Ave	9806 1279473	19597 1675220	214696	386296	815868	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloropropene	FB	Ave	8674 1102013	17455 1441115	182947	334178	708682	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon tetrachloride	FB	Ave	8406 1167256	17198 1528972	187898	345961	731238	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isobutyl alcohol	FB	Ave	5482 758926	7910 849021	105355	183028	449380	12.5 1500	25.0 2000	250	500	1000

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

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
Benzene	FB	Ave	22844 3064496	48419 3923346	494183	930203	2003056	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane	FB	Ave	8485 954899	15873 1220640	152677	289097	617748	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Heptane	FB	Lin1	+++++ 660181	35642 884598	135257	216048	434651	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Trichloroethene	FB	Ave	7211 928718	14571 1225880	155201	285190	608912	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	11515 1566351	22689 2029926	256970	461990	972024	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloropropane	FB	Ave	4734 704987	10704 908144	110015	210992	465852	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromomethane	FB	Ave	5496 630606	9635 784539	95707	196594	412829	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,4-Dioxane	FB	Ave	+++++ 142512	1478 187742	23290	43840	91591	+++++ 1200	20.0 1600	200	400	800
Dichlorobromomethane	FB	Ave	7466 999127	13539 1286301	152581	290639	649042	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chloroethyl vinyl ether	FB	Ave	7395 1029389	14128 1392220	171233	315645	695808	1.00 120	2.00 160	20.0	40.0	80.0
cis-1,3-Dichloropropene	FB	Ave	8313 1135535	17042 1511629	175580	347181	757793	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	13091 1889071	26811 2377711	308673	554613	1213622	1.00 120	2.00 160	20.0	40.0	80.0
Toluene	CBNZ d5	Ave	28549 3229981	51989 4260144	544060	985962	2123092	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	8702 1082760	16254 1391341	172822	315763	710372	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl methacrylate	CBNZ d5	Ave	7650 1060082	14391 1361372	166277	305349	700245	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloroethane	CBNZ d5	Ave	4656 666583	9825 859718	109350	202390	444369	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrachloroethene	CBNZ d5	Ave	7470 994717	14983 1297004	166266	300622	637692	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichloropropane	CBNZ d5	Ave	8871 1126088	17817 1458618	188817	344194	743433	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Hexanone	CBNZ d5	Ave	10457 1409861	19416 1795814	235229	411400	916606	1.00 120	2.00 160	20.0	40.0	80.0
Chlorodibromomethane	CBNZ d5	Ave	5763 813124	11860 1038431	125585	237418	523153	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethylene Dibromide	CBNZ d5	Ave	6061 733594	11944 938884	121691	223763	483377	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

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
Chlorobenzene	CBNZ d5	Ave	18258 2173534	36126 2784427	362449	672294	1428038	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5213 798193	11650 1003714	126948	245845	510579	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethylbenzene	CBNZ d5	Ave	8398 1207976	18517 1565528	197845	371072	780525	0.500 60.0	1.00 80.0	10.0	20.0	40.0
m-Xylene & p-Xylene	CBNZ d5	Ave	11276 1482266	21784 1910562	245222	455770	952249	0.500 60.0	1.00 80.0	10.0	20.0	40.0
o-Xylene	CBNZ d5	Ave	10860 1435324	20892 1811249	240986	446659	911893	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Styrene	CBNZ d5	Ave	17512 2428268	33956 3100442	391122	733164	1558780	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromoform	CBNZ d5	Ave	+++++ 655265	8645 849153	100560	190577	416502	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Isopropylbenzene	CBNZ d5	Ave	28418 3795594	55210 4856288	636049	1178300	2424662	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	8105 1065677	17817 1352703	173948	331847	686661	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromobenzene	DCBd 4	Ave	8740 988831	15559 1269533	164497	313555	642419	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichloropropane	DCBd 4	Ave	3387 369092	5494 473318	63108	114884	241838	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2893 326498	4738 430124	51819	97955	213375	0.500 60.0	1.00 80.0	10.0	20.0	40.0
N-Propylbenzene	DCBd 4	Ave	8359 1083875	16107 1402046	181166	334963	680756	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chlorotoluene	DCBd 4	Ave	6977 918378	15255 1168008	151745	293354	581507	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	22067 3091430	45567 3997648	517511	980405	1942019	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Chlorotoluene	DCBd 4	Ave	7717 946982	15545 1220622	160173	300515	607997	0.500 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butylbenzene	DCBd 4	Ave	22397 2915643	47758 3727392	490442	908078	1803602	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	24672 3120829	49545 4098181	518127	1006317	1964040	0.500 60.0	1.00 80.0	10.0	20.0	40.0
sec-Butylbenzene	DCBd 4	Ave	30350 4087764	61320 5357379	681132	1286147	2509293	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCBd 4	Ave	17372 1874897	33191 2421314	309437	598840	1193296	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Isopropyltoluene	DCBd 4	Ave	25586 3530033	50862 4693383	582655	1117286	2169356	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

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
1,4-Dichlorobenzene	DCBd 4	Ave	19169 1892443	35488 2449293	316046	606688	1214157	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Butylbenzene	DCBd 4	Ave	21675 3068191	45503 4087812	498908	958018	1846843	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCBd 4	Ave	14939 1726550	30581 2259323	286113	559506	1090448	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	2566 330105	4764 436864	48670	99335	200822	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	10787 1132196	21592 1625332	189226	379757	719342	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	DCBd 4	Ave	5347 584967	10992 876579	103707	199490	376786	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Naphthalene	DCBd 4	Ave	27099 3349616	57589 4711177	544587	1094286	2169342	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	8865 1038523	18094 1552764	177768	351575	684438	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromofluoromethane (Surr)	FB	Ave	6754 758227	11849 957680	119809	235239	483501	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	7422 782592	13421 970142	125069	247201	501017	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Toluene-d8 (Surr)	CBNZ d5	Ave	22890 2798059	42636 3614422	467380	849081	1834190	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	10413 1010844	17427 1285631	172585	320453	659738	0.500 60.0	1.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337766

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/24/2018 17:50 Calibration End Date: 07/24/2018 20:04 Calibration ID: 46235

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-337766/13	U1900794.d
Level 2	STD8260 240-337766/12	U1900793.d
Level 3	STD8260 240-337766/11	U1900792.d
Level 4	ICIS 240-337766/10	U1900791.d
Level 5	STD8260 240-337766/9	U1900790.d
Level 6	STD8260 240-337766/3	U1900784.d
Level 7	STD8260 240-337766/2	U1900783.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
n-Heptane	+++++	1.1						50				

TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900783.d
Lims ID: std8260 L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 24-Jul-2018 17:50:49 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0078277-002
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2018 10:13:29 Calib Date: 24-Jul-2018 20:04:28
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: laveyt Date: 25-Jul-2018 09:42:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	94	975875	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	80	751089	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	65	427349	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.037	5.049	-0.012	62	957680	80.0	75.8	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.345	5.357	-0.012	90	970142	80.0	72.5	
$ 6 Toluene-d8 (Surr)	98	7.100	7.101	-0.001	92	3614422	80.0	79.9	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	92	1285631	80.0	74.0	
9 Dichlorodifluoromethane	85	1.610	1.622	-0.012	88	1522047	80.0	89.6	
10 Chloromethane	50	1.811	1.823	-0.012	81	1245553	80.0	75.7	
12 Butadiene	54	1.894	1.906	-0.012	88	1318121	80.0	82.4	
11 Vinyl chloride	62	1.918	1.930	-0.012	82	1317064	80.0	82.8	
13 Bromomethane	94	2.203	2.227	-0.024	90	848050	80.0	70.9	
14 Chloroethane	64	2.286	2.310	-0.024	86	723733	80.0	74.8	
15 Dichlorofluoromethane	67	2.487	2.511	-0.024	83	1706469	80.0	74.8	
16 Trichlorofluoromethane	101	2.559	2.582	-0.023	88	1728039	80.0	80.1	
17 Ethyl ether	59	2.796	2.820	-0.024	91	738330	80.0	76.2	
18 Acrolein	56	2.914	2.938	-0.024	93	1043418	400.0	409.9	
21 1,1-Dichloroethene	61	3.021	3.033	-0.012	90	1458107	80.0	78.9	
20 1,1,2-Trichloro-1,2,2-trif	101	3.045	3.057	-0.012	83	1047375	80.0	79.5	
22 Acetone	43	3.068	3.080	-0.012	74	501797	160.0	156.1	
23 Iodomethane	142	3.175	3.199	-0.024	98	1772860	80.0	77.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Carbon disulfide	76	3.246	3.258	-0.012	98	3006958	80.0	72.8	
26 3-Chloro-1-propene	41	3.353	3.365	-0.012	83	1500878	80.0	77.5	
27 Methyl acetate	43	3.377	3.389	-0.012	97	1633788	160.0	147.8	
28 Methylene Chloride	49	3.472	3.484	-0.012	54	1113978	80.0	75.5	
29 2-Methyl-2-propanol	59	3.578	3.579	0.000	76	741744	800.0	616.8	
30 Acrylonitrile	53	3.685	3.697	-0.012	97	3868018	800.0	774.9	
32 trans-1,2-Dichloroethene	61	3.721	3.733	-0.012	80	1369327	80.0	75.3	
31 Methyl tert-butyl ether	73	3.733	3.733	0.000	69	2537900	80.0	74.9	
33 Hexane	57	3.970	3.982	-0.012	91	1614587	80.0	81.3	
34 1,1-Dichloroethane	63	4.100	4.112	-0.012	85	1701003	80.0	79.3	
35 Vinyl acetate	43	4.136	4.148	-0.012	97	1593713	80.0	81.7	
41 2-Butanone (MEK)	72	4.622	4.634	-0.012	64	297238	160.0	162.1	
39 2,2-Dichloropropane	77	4.622	4.634	-0.012	58	1027916	80.0	79.7	
40 cis-1,2-Dichloroethene	96	4.622	4.634	-0.012	68	1142993	80.0	76.0	
45 Chlorobromomethane	49	4.835	4.836	-0.001	71	714392	80.0	72.2	
46 Tetrahydrofuran	42	4.883	4.883	0.000	83	734202	160.0	154.9	
47 Chloroform	83	4.895	4.907	-0.012	68	1728769	80.0	77.7	
48 1,1,1-Trichloroethane	97	5.084	5.085	-0.001	89	1621508	80.0	80.9	
49 Cyclohexane	84	5.132	5.144	-0.012	87	1675220	80.0	79.8	
50 1,1-Dichloropropene	75	5.215	5.227	-0.012	92	1441115	80.0	79.0	
51 Carbon tetrachloride	117	5.227	5.239	-0.012	69	1528972	80.0	81.9	
52 Isobutyl alcohol	41	5.298	5.298	0.000	84	849021	2000.0	1980.1	
53 Benzene	78	5.405	5.417	-0.012	94	3923346	80.0	78.4	
54 1,2-Dichloroethane	62	5.416	5.417	-0.001	43	1220640	80.0	75.9	
56 n-Heptane	57	5.630	5.642	-0.012	91	884598	80.0	81.7	
58 Trichloroethene	130	5.986	5.986	0.000	90	1225880	80.0	79.5	
60 Methylcyclohexane	83	6.164	6.176	-0.012	90	2029926	80.0	81.1	
61 1,2-Dichloropropane	63	6.187	6.187	0.000	88	908144	80.0	80.8	
63 Dibromomethane	174	6.294	6.294	0.000	85	784539	80.0	75.4	
64 1,4-Dioxane	88	6.294	6.306	-0.012	33	187742	1600.0	1694.3	
65 Dichlorobromomethane	83	6.424	6.436	-0.012	94	1286301	80.0	81.6	
67 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	91	1392220	160.0	166.6	
68 cis-1,3-Dichloropropene	75	6.840	6.840	0.000	93	1511629	80.0	82.0	
69 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	89	2377711	160.0	159.3	
70 Toluene	91	7.160	7.172	-0.012	94	4260144	80.0	79.6	
71 trans-1,3-Dichloropropene	75	7.349	7.361	-0.012	82	1391341	80.0	80.9	
72 Ethyl methacrylate	69	7.432	7.433	-0.001	88	1361372	80.0	83.5	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	67	859718	80.0	82.0	
75 Tetrachloroethene	166	7.693	7.693	0.000	91	1297004	80.0	82.0	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	87	1458618	80.0	79.9	
77 2-Hexanone	43	7.764	7.765	-0.001	79	1795814	160.0	163.5	
79 Chlorodibromomethane	129	7.919	7.931	-0.012	88	1038431	80.0	82.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
80 Ethylene Dibromide	107	8.037	8.049	-0.012	97	938884	80.0	78.4	
82 Chlorobenzene	112	8.523	8.524	-0.001	96	2784427	80.0	77.8	
83 1,1,1,2-Tetrachloroethane	131	8.606	8.607	-0.001	79	1003714	80.0	81.7	
84 Ethylbenzene	106	8.630	8.630	0.000	97	1565528	80.0	82.2	
85 m-Xylene & p-Xylene	106	8.749	8.749	0.000	99	1910562	80.0	81.2	
87 Styrene	104	9.152	9.152	0.000	90	3100442	80.0	82.3	
86 o-Xylene	106	9.140	9.152	-0.012	93	1811249	80.0	79.8	
88 Bromoform	173	9.354	9.354	0.000	99	849153	80.0	84.7	
89 Isopropylbenzene	105	9.520	9.520	0.000	95	4856288	80.0	80.8	
91 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	83	1352703	80.0	79.4	
92 Bromobenzene	156	9.840	9.840	0.000	80	1269533	80.0	78.6	
93 1,2,3-Trichloropropane	110	9.863	9.864	-0.001	68	473318	80.0	78.5	
94 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	52	430124	80.0	82.3	
95 N-Propylbenzene	120	9.946	9.947	-0.001	91	1402046	80.0	82.0	
96 2-Chlorotoluene	126	10.041	10.041	0.000	96	1168008	80.0	79.4	
97 1,3,5-Trimethylbenzene	105	10.124	10.124	0.000	93	3997648	80.0	82.6	
98 4-Chlorotoluene	126	10.148	10.148	0.000	97	1220622	80.0	79.3	
99 tert-Butylbenzene	119	10.468	10.468	0.000	77	3727392	80.0	80.1	
101 1,2,4-Trimethylbenzene	105	10.516	10.516	0.000	70	4098181	80.0	81.6	
102 sec-Butylbenzene	105	10.694	10.694	0.000	94	5357379	80.0	83.4	
103 1,3-Dichlorobenzene	146	10.812	10.812	0.000	96	2421314	80.0	77.4	
104 4-Isopropyltoluene	119	10.848	10.848	0.000	90	4693383	80.0	85.1	
105 1,4-Dichlorobenzene	146	10.907	10.907	0.000	95	2449293	80.0	75.5	
108 n-Butylbenzene	91	11.275	11.275	0.000	97	4087812	80.0	85.9	
109 1,2-Dichlorobenzene	146	11.298	11.298	0.000	98	2259323	80.0	79.0	
110 1,2-Dibromo-3-Chloropropan	157	12.128	12.129	-0.001	94	436864	80.0	86.1	
112 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	92	1625332	80.0	82.7	
113 Hexachlorobutadiene	225	13.208	13.196	0.012	86	876579	80.0	85.5	
114 Naphthalene	128	13.279	13.279	0.000	96	4711177	80.0	85.0	
115 1,2,3-Trichlorobenzene	180	13.540	13.540	0.000	94	1552764	80.0	87.4	
S 164 Total BTEX	1				0		400.0	401.2	
S 127 Trihalomethanes, Total	1				0		320.0	326.9	
S 124 1,2-Dichloroethene, Total	96				0			151.3	
S 125 1,3-Dichloropropene, Total	75				0			162.9	
S 126 Xylenes, Total	106				0		160.0	161.0	

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmrgas_00255	Amount Added:	64.00	Units: uL
vmarolistdw_00256	Amount Added:	64.00	Units: uL
vmrprimw_00292	Amount Added:	64.00	Units: uL
vm50ss_00329	Amount Added:	64.00	Units: uL

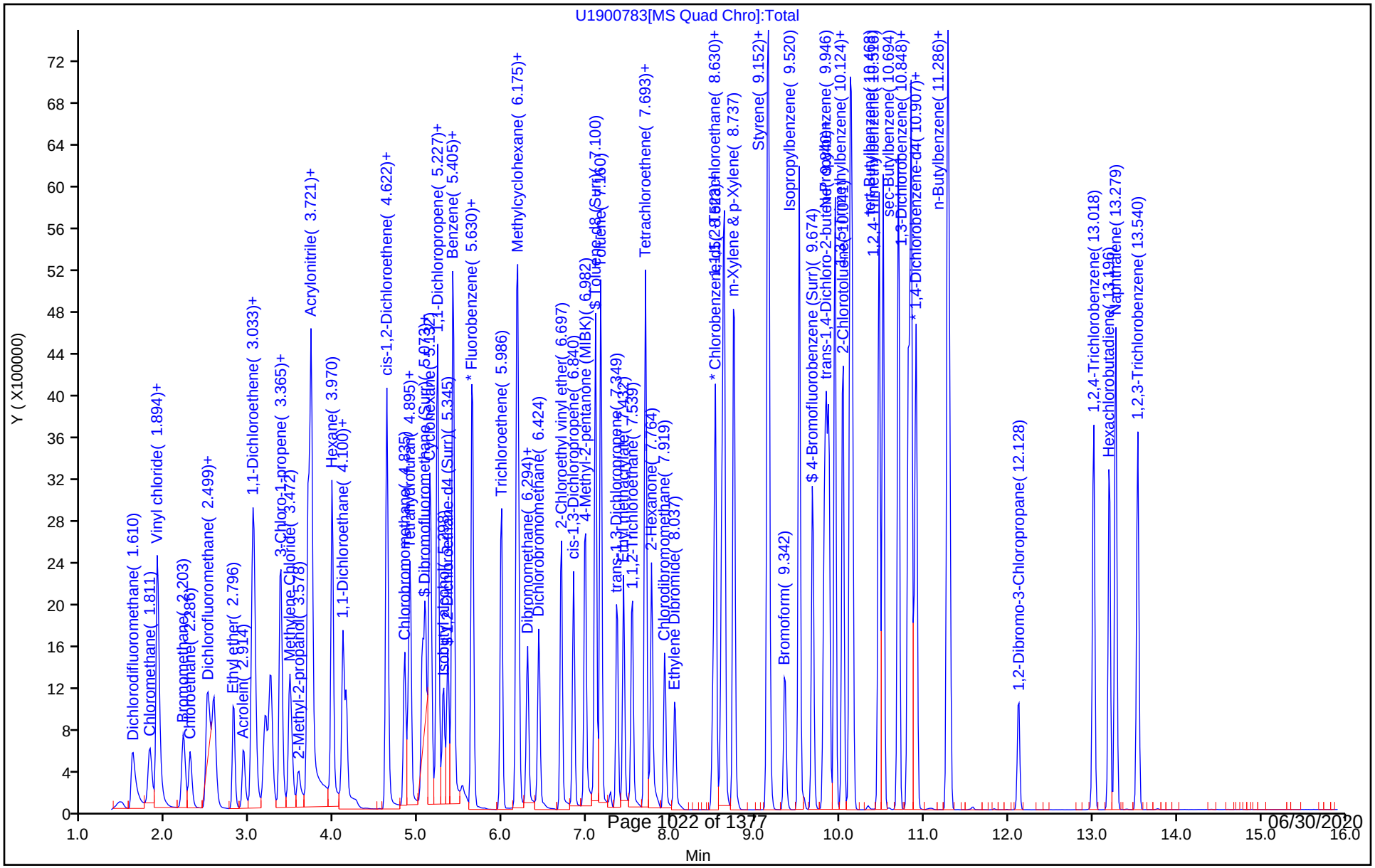
Report Date: 25-Jul-2018 10:13:31 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900783.d

Injection Date:	24-Jul-2018 17:50:49	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L7			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900784.d
Lims ID: std8260 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 24-Jul-2018 18:13:04 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0078277-003
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2018 10:13:35 Calib Date: 24-Jul-2018 20:04:28
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: laveyt Date: 25-Jul-2018 09:44:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	92	977352	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	82	767566	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.884	10.883	0.001	73	440038	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	63	758227	60.0	59.9	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.357	5.357	0.000	98	782592	60.0	58.4	
$ 6 Toluene-d8 (Surr)	98	7.101	7.101	0.000	89	2798059	60.0	60.6	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	92	1010844	60.0	56.9	
9 Dichlorodifluoromethane	85	1.622	1.622	0.000	87	1134505	60.0	66.7	
10 Chloromethane	50	1.824	1.823	0.001	78	955231	60.0	58.0	
12 Butadiene	54	1.907	1.906	0.000	88	989374	60.0	61.8	
11 Vinyl chloride	62	1.930	1.930	0.000	82	993940	60.0	62.4	
13 Bromomethane	94	2.227	2.227	0.000	91	660888	60.0	55.2	
14 Chloroethane	64	2.310	2.310	0.000	87	563348	60.0	58.2	
15 Dichlorofluoromethane	67	2.511	2.511	0.000	83	1312016	60.0	57.4	
16 Trichlorofluoromethane	101	2.582	2.582	0.000	87	1337225	60.0	61.9	
17 Ethyl ether	59	2.808	2.820	-0.012	90	580370	60.0	59.8	
18 Acrolein	56	2.926	2.938	-0.012	96	800130	300.0	313.8	
21 1,1-Dichloroethene	61	3.045	3.033	0.012	89	1128785	60.0	61.0	
20 1,1,2-Trichloro-1,2,2-trif	101	3.057	3.057	0.000	74	793296	60.0	60.1	
22 Acetone	43	3.081	3.080	0.001	88	459712	120.0	142.8	
23 Iodomethane	142	3.199	3.199	0.000	97	1363038	60.0	59.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Carbon disulfide	76	3.258	3.258	0.000	98	2317545	60.0	56.0	
26 3-Chloro-1-propene	41	3.365	3.365	0.000	79	1159498	60.0	59.8	
27 Methyl acetate	43	3.389	3.389	0.000	96	1400331	120.0	126.5	
28 Methylene Chloride	49	3.484	3.484	0.000	51	872855	60.0	59.1	
29 2-Methyl-2-propanol	59	3.579	3.579	0.001	88	798354	600.0	662.9	
30 Acrylonitrile	53	3.697	3.697	0.000	99	3368428	600.0	673.8	
31 Methyl tert-butyl ether	73	3.733	3.733	0.000	47	2063462	60.0	60.8	
32 trans-1,2-Dichloroethene	61	3.733	3.733	0.000	71	1061569	60.0	58.3	
33 Hexane	57	3.982	3.982	0.000	89	1210166	60.0	60.9	
34 1,1-Dichloroethane	63	4.112	4.112	0.000	84	1313347	60.0	61.1	
35 Vinyl acetate	43	4.148	4.148	0.000	97	1234805	60.0	63.2	
40 cis-1,2-Dichloroethene	96	4.634	4.634	0.000	67	896669	60.0	59.5	
39 2,2-Dichloropropane	77	4.634	4.634	0.000	59	704769	60.0	54.6	
41 2-Butanone (MEK)	72	4.634	4.634	0.000	79	241145	120.0	131.3	
45 Chlorobromomethane	49	4.836	4.836	0.000	75	587580	60.0	59.3	
46 Tetrahydrofuran	42	4.883	4.883	0.000	87	618274	120.0	130.2	
47 Chloroform	83	4.907	4.907	0.000	70	1353439	60.0	60.7	
48 1,1,1-Trichloroethane	97	5.085	5.085	0.000	81	1224716	60.0	61.0	
49 Cyclohexane	84	5.144	5.144	0.000	85	1279473	60.0	60.9	
50 1,1-Dichloropropene	75	5.227	5.227	0.000	91	1102013	60.0	60.3	
51 Carbon tetrachloride	117	5.239	5.239	0.000	70	1167256	60.0	62.4	
52 Isobutyl alcohol	41	5.298	5.298	0.000	83	758926	1500.0	1767.3	
54 1,2-Dichloroethane	62	5.417	5.417	0.000	46	954899	60.0	59.3	
53 Benzene	78	5.417	5.417	0.000	94	3064496	60.0	61.1	
56 n-Heptane	57	5.642	5.642	0.000	89	660181	60.0	60.2	
58 Trichloroethene	130	5.986	5.986	0.000	92	928718	60.0	60.1	
60 Methylcyclohexane	83	6.176	6.176	0.000	89	1566351	60.0	62.5	
61 1,2-Dichloropropane	63	6.187	6.187	0.000	86	704987	60.0	62.6	
63 Dibromomethane	174	6.294	6.294	0.000	88	630606	60.0	60.5	
64 1,4-Dioxane	88	6.306	6.306	0.000	34	142512	1200.0	1284.2	
65 Dichlorobromomethane	83	6.437	6.436	0.000	93	999127	60.0	63.3	
67 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	86	1029389	120.0	123.0	
68 cis-1,3-Dichloropropene	75	6.840	6.840	0.000	95	1135535	60.0	61.5	
69 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	93	1889071	120.0	126.4	
70 Toluene	91	7.172	7.172	0.000	94	3229981	60.0	59.1	
71 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	80	1082760	60.0	61.6	
72 Ethyl methacrylate	69	7.433	7.433	0.000	87	1060082	60.0	63.6	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	73	666583	60.0	62.2	
75 Tetrachloroethene	166	7.694	7.693	0.001	92	994717	60.0	61.5	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	87	1126088	60.0	60.4	
77 2-Hexanone	43	7.765	7.765	0.000	79	1409861	120.0	125.6	
79 Chlorodibromomethane	129	7.919	7.931	-0.012	88	813124	60.0	63.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
80 Ethylene Dibromide	107	8.049	8.049	0.000	99	733594	60.0	59.9	
82 Chlorobenzene	112	8.524	8.524	0.000	96	2173534	60.0	59.5	
83 1,1,1,2-Tetrachloroethane	131	8.607	8.607	0.000	85	798193	60.0	63.6	
84 Ethylbenzene	106	8.630	8.630	0.000	97	1207976	60.0	62.1	
85 m-Xylene & p-Xylene	106	8.749	8.749	0.000	99	1482266	60.0	61.7	
86 o-Xylene	106	9.140	9.152	-0.012	93	1435324	60.0	61.9	
87 Styrene	104	9.152	9.152	0.000	90	2428268	60.0	63.1	
88 Bromoform	173	9.354	9.354	0.000	99	655265	60.0	64.0	
89 Isopropylbenzene	105	9.520	9.520	0.000	95	3795594	60.0	61.8	
91 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	83	1065677	60.0	60.8	
92 Bromobenzene	156	9.840	9.840	0.000	80	988831	60.0	59.5	
93 1,2,3-Trichloropropane	110	9.864	9.864	0.000	67	369092	60.0	59.4	
94 trans-1,4-Dichloro-2-buten	53	9.876	9.875	0.001	52	326498	60.0	60.7	
95 N-Propylbenzene	120	9.947	9.947	0.000	95	1083875	60.0	61.6	
96 2-Chlorotoluene	126	10.042	10.041	0.001	96	918378	60.0	60.6	
97 1,3,5-Trimethylbenzene	105	10.125	10.124	0.001	93	3091430	60.0	62.0	
98 4-Chlorotoluene	126	10.148	10.148	0.000	97	946982	60.0	59.8	
99 tert-Butylbenzene	119	10.468	10.468	0.000	76	2915643	60.0	60.9	
101 1,2,4-Trimethylbenzene	105	10.516	10.516	0.000	70	3120829	60.0	60.4	
102 sec-Butylbenzene	105	10.694	10.694	0.000	93	4087764	60.0	61.8	
103 1,3-Dichlorobenzene	146	10.812	10.812	0.000	90	1874897	60.0	58.2	
104 4-Isopropyltoluene	119	10.848	10.848	0.000	90	3530033	60.0	62.2	
105 1,4-Dichlorobenzene	146	10.907	10.907	0.000	94	1892443	60.0	56.6	
108 n-Butylbenzene	91	11.275	11.275	0.000	97	3068191	60.0	62.6	
109 1,2-Dichlorobenzene	146	11.299	11.298	0.001	98	1726550	60.0	58.6	
110 1,2-Dibromo-3-Chloropropan	157	12.129	12.129	0.000	94	330105	60.0	63.2	
112 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	92	1132196	60.0	56.0	
113 Hexachlorobutadiene	225	13.196	13.196	0.000	92	584967	60.0	55.4	
114 Naphthalene	128	13.279	13.279	0.000	96	3349616	60.0	58.7	
115 1,2,3-Trichlorobenzene	180	13.540	13.540	0.000	94	1038523	60.0	56.8	
S 127 Trihalomethanes, Total	1				0		240.0	251.5	
S 164 Total BTEX	1				0		300.0	305.8	
S 124 1,2-Dichloroethene, Total	96				0			117.8	
S 125 1,3-Dichloropropene, Total	75				0			123.1	
S 126 Xylenes, Total	106				0		120.0	123.5	

Reagents:

vmarolistdw_00256	Amount Added:	48.00	Units: uL
vmrgas_00255	Amount Added:	48.00	Units: uL
vmrprimw_00292	Amount Added:	48.00	Units: uL
vm50ss_00329	Amount Added:	48.00	Units: uL
vm50is_stk_A_00001	Amount Added:	2.00	Units: uL

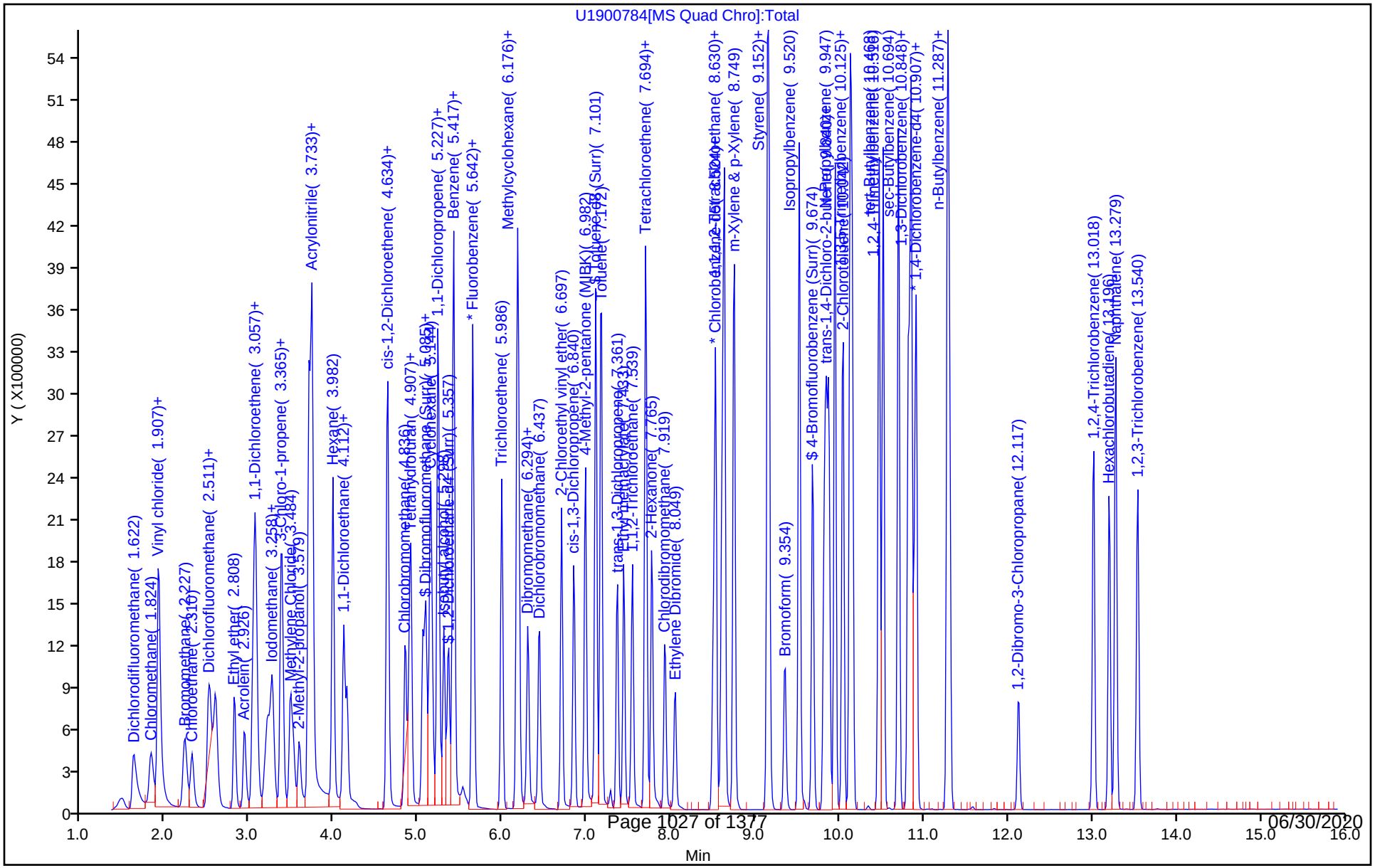
Report Date: 25-Jul-2018 10:13:37 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900784.d

Injection Date:	24-Jul-2018 18:13:04	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L6			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900790.d
Lims ID: std8260 L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 24-Jul-2018 18:35:32 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0078277-009
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2018 10:13:42 Calib Date: 24-Jul-2018 20:04:28
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: laveyt Date: 25-Jul-2018 09:45:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	95	980424	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	82	764018	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	76	423933	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	60	483501	40.0	38.1	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.345	5.357	-0.012	99	501017	40.0	37.2	
$ 6 Toluene-d8 (Surr)	98	7.100	7.101	-0.001	92	1834190	40.0	39.9	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	91	659738	40.0	37.3	
9 Dichlorodifluoromethane	85	1.610	1.622	-0.012	88	708511	40.0	41.5	
10 Chloromethane	50	1.811	1.823	-0.012	78	632033	40.0	38.3	
12 Butadiene	54	1.894	1.906	-0.012	87	631099	40.0	39.3	
11 Vinyl chloride	62	1.918	1.930	-0.012	83	644632	40.0	40.3	
13 Bromomethane	94	2.215	2.227	-0.012	90	441425	40.0	36.7	
14 Chloroethane	64	2.298	2.310	-0.012	86	372825	40.0	38.4	
15 Dichlorofluoromethane	67	2.499	2.511	-0.012	83	879608	40.0	38.4	
16 Trichlorofluoromethane	101	2.570	2.582	-0.012	87	861954	40.0	39.8	
17 Ethyl ether	59	2.808	2.820	-0.012	88	370565	40.0	38.0	
18 Acrolein	56	2.926	2.938	-0.012	92	531628	200.0	207.9	
21 1,1-Dichloroethene	61	3.033	3.033	0.000	89	716665	40.0	38.6	
20 1,1,2-Trichloro-1,2,2-trif	101	3.045	3.057	-0.012	76	505930	40.0	38.2	
22 Acetone	43	3.068	3.080	-0.012	63	237768	80.0	73.6	
23 Iodomethane	142	3.187	3.199	-0.012	96	903919	40.0	39.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Carbon disulfide	76	3.246	3.258	-0.012	98	1496184	40.0	36.1	
26 3-Chloro-1-propene	41	3.353	3.365	-0.012	81	747474	40.0	38.4	
27 Methyl acetate	43	3.377	3.389	-0.012	96	828794	80.0	74.6	
28 Methylene Chloride	49	3.472	3.484	-0.012	53	566982	40.0	38.3	
29 2-Methyl-2-propanol	59	3.578	3.579	0.000	9	411966	400.0	341.0	
30 Acrylonitrile	53	3.697	3.697	0.000	99	1977138	400.0	394.3	
32 trans-1,2-Dichloroethene	61	3.721	3.733	-0.012	78	684359	40.0	37.4	
31 Methyl tert-butyl ether	73	3.733	3.733	0.000	88	1350698	40.0	39.7	
33 Hexane	57	3.982	3.982	0.000	90	765779	40.0	38.4	
34 1,1-Dichloroethane	63	4.100	4.112	-0.012	85	860929	40.0	40.0	
35 Vinyl acetate	43	4.148	4.148	0.000	96	770166	40.0	39.3	
41 2-Butanone (MEK)	72	4.634	4.634	0.000	74	153177	80.0	83.1	
39 2,2-Dichloropropane	77	4.634	4.634	0.000	64	481767	40.0	37.2	
40 cis-1,2-Dichloroethene	96	4.622	4.634	-0.012	62	582599	40.0	38.6	
45 Chlorobromomethane	49	4.835	4.836	-0.001	89	369472	40.0	37.2	
46 Tetrahydrofuran	42	4.883	4.883	0.000	87	372381	80.0	78.2	
47 Chloroform	83	4.907	4.907	0.000	70	869181	40.0	38.9	
48 1,1,1-Trichloroethane	97	5.084	5.085	-0.001	89	801860	40.0	39.8	
49 Cyclohexane	84	5.144	5.144	0.000	75	815868	40.0	38.7	
50 1,1-Dichloropropene	75	5.227	5.227	0.000	90	708682	40.0	38.7	
51 Carbon tetrachloride	117	5.239	5.239	0.000	70	731238	40.0	39.0	
52 Isobutyl alcohol	41	5.298	5.298	0.000	70	449380	1000.0	1043.2	
53 Benzene	78	5.405	5.417	-0.012	93	2003056	40.0	39.8	
54 1,2-Dichloroethane	62	5.416	5.417	-0.001	47	617748	40.0	38.2	
56 n-Heptane	57	5.642	5.642	0.000	86	434651	40.0	38.6	
58 Trichloroethene	130	5.986	5.986	0.000	92	608912	40.0	39.3	
60 Methylcyclohexane	83	6.175	6.176	-0.001	90	972024	40.0	38.6	
61 1,2-Dichloropropane	63	6.187	6.187	0.000	86	465852	40.0	41.2	
63 Dibromomethane	174	6.294	6.294	0.000	90	412829	40.0	39.5	
64 1,4-Dioxane	88	6.306	6.306	0.000	32	91591	800.0	822.7	
65 Dichlorobromomethane	83	6.424	6.436	-0.012	94	649042	40.0	41.0	
67 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	86	695808	80.0	82.9	
68 cis-1,3-Dichloropropene	75	6.840	6.840	0.000	93	757793	40.0	40.9	
69 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	92	1213622	80.0	80.9	
70 Toluene	91	7.160	7.172	-0.012	94	2123092	40.0	39.0	
71 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	80	710372	40.0	40.6	
72 Ethyl methacrylate	69	7.432	7.433	-0.001	87	700245	40.0	42.2	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	73	444369	40.0	41.7	
75 Tetrachloroethene	166	7.693	7.693	0.000	91	637692	40.0	39.6	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	87	743433	40.0	40.0	
77 2-Hexanone	43	7.764	7.765	-0.001	79	916606	80.0	82.1	
79 Chlorodibromomethane	129	7.919	7.931	-0.012	88	523153	40.0	41.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
80 Ethylene Dibromide	107	8.049	8.049	0.000	99	483377	40.0	39.7	
82 Chlorobenzene	112	8.523	8.524	-0.001	96	1428038	40.0	39.2	
83 1,1,1,2-Tetrachloroethane	131	8.606	8.607	-0.001	85	510579	40.0	40.9	
84 Ethylbenzene	106	8.630	8.630	0.000	98	780525	40.0	40.3	
85 m-Xylene & p-Xylene	106	8.749	8.749	0.000	99	952249	40.0	39.8	
87 Styrene	104	9.152	9.152	0.000	89	1558780	40.0	40.7	
86 o-Xylene	106	9.152	9.152	0.000	86	911893	40.0	39.5	
88 Bromoform	173	9.354	9.354	0.000	99	416502	40.0	40.9	
89 Isopropylbenzene	105	9.520	9.520	0.000	95	2424662	40.0	39.7	
91 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	87	686661	40.0	40.6	
92 Bromobenzene	156	9.840	9.840	0.000	87	642419	40.0	40.1	
93 1,2,3-Trichloropropane	110	9.863	9.864	-0.001	68	241838	40.0	40.4	
94 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	59	213375	40.0	41.2	
95 N-Propylbenzene	120	9.946	9.947	-0.001	95	680756	40.0	40.1	
96 2-Chlorotoluene	126	10.041	10.041	0.000	96	581507	40.0	39.9	
97 1,3,5-Trimethylbenzene	105	10.124	10.124	0.000	93	1942019	40.0	40.5	
98 4-Chlorotoluene	126	10.148	10.148	0.000	97	607997	40.0	39.8	
99 tert-Butylbenzene	119	10.468	10.468	0.000	77	1803602	40.0	39.1	
101 1,2,4-Trimethylbenzene	105	10.516	10.516	0.000	70	1964040	40.0	39.4	
102 sec-Butylbenzene	105	10.694	10.694	0.000	94	2509293	40.0	39.4	
103 1,3-Dichlorobenzene	146	10.812	10.812	0.000	89	1193296	40.0	38.4	
104 4-Isopropyltoluene	119	10.848	10.848	0.000	90	2169356	40.0	39.7	
105 1,4-Dichlorobenzene	146	10.907	10.907	0.000	94	1214157	40.0	37.7	
108 n-Butylbenzene	91	11.275	11.275	0.000	97	1846843	40.0	39.1	
109 1,2-Dichlorobenzene	146	11.298	11.298	0.000	98	1090448	40.0	38.4	
110 1,2-Dibromo-3-Chloropropan	157	12.128	12.129	-0.001	93	200822	40.0	39.9	
112 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	92	719342	40.0	36.9	
113 Hexachlorobutadiene	225	13.208	13.196	0.012	86	376786	40.0	37.0	
114 Naphthalene	128	13.279	13.279	0.000	96	2169342	40.0	39.5	
115 1,2,3-Trichlorobenzene	180	13.540	13.540	0.000	94	684438	40.0	38.8	
S 164 Total BTEX	1				0		200.0	198.4	
S 127 Trihalomethanes, Total	1				0		160.0	161.8	
S 124 1,2-Dichloroethene, Total	96				0			76.0	
S 125 1,3-Dichloropropene, Total	75				0			81.5	
S 126 Xylenes, Total	106				0		80.0	79.3	

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmrgas_00255	Amount Added:	32.00	Units: uL
vmarolistdw_00256	Amount Added:	32.00	Units: uL
vmrprimw_00292	Amount Added:	32.00	Units: uL
vm50ss_00329	Amount Added:	32.00	Units: uL

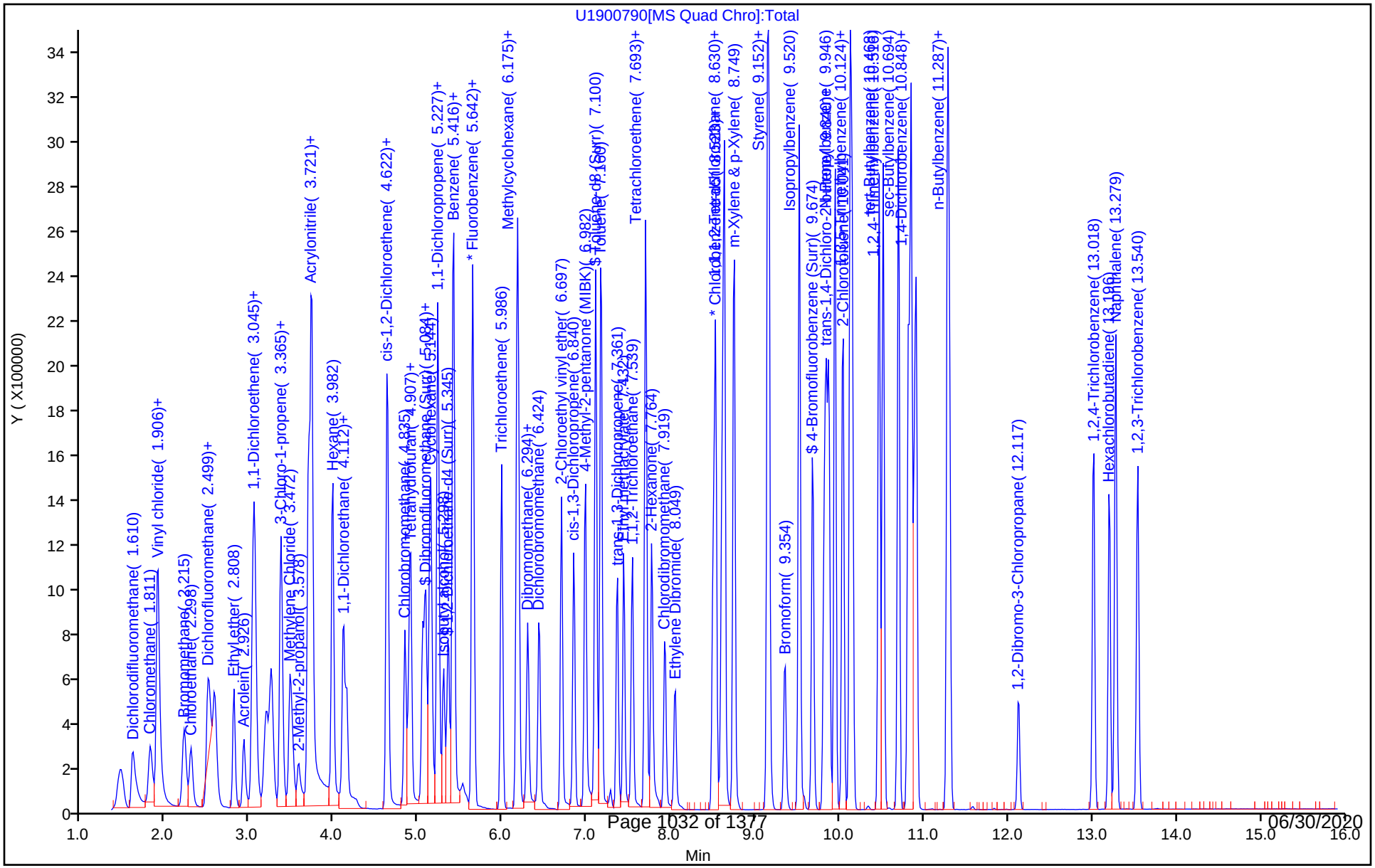
Report Date: 25-Jul-2018 10:13:44 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900790.d

Injection Date:	24-Jul-2018 18:35:32	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L5			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900791.d
Lims ID: ICIS L4
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 24-Jul-2018 18:57:47 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0078277-010
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2018 10:13:48 Calib Date: 24-Jul-2018 20:04:28
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: laveyt Date: 25-Jul-2018 09:47:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	96	929533	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	84	742668	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	89	433286	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	59	235239	20.0	19.5	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.357	5.357	0.000	98	247201	20.0	19.4	
$ 6 Toluene-d8 (Surr)	98	7.101	7.101	0.000	84	849081	20.0	19.0	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	91	320453	20.0	18.7	
9 Dichlorodifluoromethane	85	1.622	1.622	0.000	87	328230	20.0	20.3	
10 Chloromethane	50	1.823	1.823	0.000	89	315290	20.0	20.1	
12 Butadiene	54	1.906	1.906	0.000	86	301883	20.0	19.8	
11 Vinyl chloride	62	1.930	1.930	0.000	74	312915	20.0	20.7	
13 Bromomethane	94	2.227	2.227	0.000	90	229239	20.0	20.1	
14 Chloroethane	64	2.310	2.310	0.000	94	188891	20.0	20.5	
15 Dichlorofluoromethane	67	2.511	2.511	0.000	83	439391	20.0	20.2	
16 Trichlorofluoromethane	101	2.582	2.582	0.000	86	415720	20.0	20.2	
17 Ethyl ether	59	2.820	2.820	0.000	89	180269	20.0	19.5	
18 Acrolein	56	2.938	2.938	0.000	95	227879	100.0	94.0	
21 1,1-Dichloroethene	61	3.033	3.033	0.000	90	347690	20.0	19.7	
20 1,1,2-Trichloro-1,2,2-trif	101	3.057	3.057	0.000	83	247358	20.0	19.7	
22 Acetone	43	3.080	3.080	0.000	74	107763	40.0	35.2	
23 Iodomethane	142	3.199	3.199	0.000	98	440198	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
24 Carbon disulfide	76	3.258	3.258	0.000	98	728690	20.0	18.5	
26 3-Chloro-1-propene	41	3.365	3.365	0.000	82	355801	20.0	19.3	
27 Methyl acetate	43	3.389	3.389	0.000	96	391356	40.0	37.2	
28 Methylene Chloride	49	3.484	3.484	0.000	51	279726	20.0	19.9	
29 2-Methyl-2-propanol	59	3.579	3.579	0.000	7	215092	200.0	187.8	
30 Acrylonitrile	53	3.697	3.697	0.000	99	915892	200.0	192.6	
31 Methyl tert-butyl ether	73	3.733	3.733	0.000	88	654948	20.0	20.3	
32 trans-1,2-Dichloroethene	61	3.733	3.733	0.000	72	329454	20.0	19.0	
33 Hexane	57	3.982	3.982	0.000	91	356826	20.0	18.9	
34 1,1-Dichloroethane	63	4.112	4.112	0.000	85	413734	20.0	20.3	
35 Vinyl acetate	43	4.148	4.148	0.000	97	357825	20.0	19.3	
40 cis-1,2-Dichloroethene	96	4.634	4.634	0.000	67	281663	20.0	19.7	
39 2,2-Dichloropropane	77	4.634	4.634	0.000	61	247316	20.0	20.1	
41 2-Butanone (MEK)	72	4.634	4.634	0.000	69	66486	40.0	38.1	
45 Chlorobromomethane	49	4.836	4.836	0.000	72	180080	20.0	19.1	
46 Tetrahydrofuran	42	4.883	4.883	0.000	87	169823	40.0	37.6	
47 Chloroform	83	4.907	4.907	0.000	70	422069	20.0	19.9	
48 1,1,1-Trichloroethane	97	5.085	5.085	0.000	56	378348	20.0	19.8	
49 Cyclohexane	84	5.144	5.144	0.000	85	386296	20.0	19.3	
50 1,1-Dichloropropene	75	5.227	5.227	0.000	92	334178	20.0	19.2	
51 Carbon tetrachloride	117	5.239	5.239	0.000	70	345961	20.0	19.5	
52 Isobutyl alcohol	41	5.298	5.298	0.000	69	183028	500.0	448.2	
54 1,2-Dichloroethane	62	5.417	5.417	0.000	45	289097	20.0	18.9	
53 Benzene	78	5.417	5.417	0.000	94	930203	20.0	19.5	
56 n-Heptane	57	5.642	5.642	0.000	84	216048	20.0	18.9	
58 Trichloroethene	130	5.986	5.986	0.000	92	285190	20.0	19.4	
60 Methylcyclohexane	83	6.176	6.176	0.000	89	461990	20.0	19.4	
61 1,2-Dichloropropane	63	6.187	6.187	0.000	84	210992	20.0	19.7	
63 Dibromomethane	174	6.294	6.294	0.000	93	196594	20.0	19.8	
64 1,4-Dioxane	88	6.306	6.306	0.000	33	43840	400.0	415.4	
65 Dichlorobromomethane	83	6.436	6.436	0.000	93	290639	20.0	19.4	
67 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	91	315645	40.0	39.7	
68 cis-1,3-Dichloropropene	75	6.840	6.840	0.000	91	347181	20.0	19.8	
69 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	93	554613	40.0	39.0	
70 Toluene	91	7.172	7.172	0.000	94	985962	20.0	18.6	
71 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	82	315763	20.0	18.6	
72 Ethyl methacrylate	69	7.433	7.433	0.000	87	305349	20.0	18.9	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	74	202390	20.0	19.5	
75 Tetrachloroethene	166	7.693	7.693	0.000	97	300622	20.0	19.2	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	87	344194	20.0	19.1	
77 2-Hexanone	43	7.765	7.765	0.000	79	411400	40.0	37.9	
79 Chlorodibromomethane	129	7.931	7.931	0.000	87	237418	20.0	19.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
80 Ethylene Dibromide	107	8.049	8.049	0.000	99	223763	20.0	18.9	
82 Chlorobenzene	112	8.524	8.524	0.000	96	672294	20.0	19.0	
83 1,1,1,2-Tetrachloroethane	131	8.607	8.607	0.000	86	245845	20.0	20.2	
84 Ethylbenzene	106	8.630	8.630	0.000	97	371072	20.0	19.7	
85 m-Xylene & p-Xylene	106	8.749	8.749	0.000	99	455770	20.0	19.6	
86 o-Xylene	106	9.152	9.152	0.000	87	446659	20.0	19.9	
87 Styrene	104	9.152	9.152	0.000	88	733164	20.0	19.7	
88 Bromoform	173	9.354	9.354	0.000	98	190577	20.0	19.2	
89 Isopropylbenzene	105	9.520	9.520	0.000	95	1178300	20.0	19.8	
91 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	87	331847	20.0	19.2	
92 Bromobenzene	156	9.840	9.840	0.000	80	313555	20.0	19.2	
93 1,2,3-Trichloropropane	110	9.864	9.864	0.000	68	114884	20.0	18.8	
94 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	52	97955	20.0	18.5	
95 N-Propylbenzene	120	9.947	9.947	0.000	91	334963	20.0	19.3	
96 2-Chlorotoluene	126	10.041	10.041	0.000	94	293354	20.0	19.7	
97 1,3,5-Trimethylbenzene	105	10.124	10.124	0.000	93	980405	20.0	20.0	
98 4-Chlorotoluene	126	10.148	10.148	0.000	97	300515	20.0	19.3	
99 tert-Butylbenzene	119	10.468	10.468	0.000	76	908078	20.0	19.3	
101 1,2,4-Trimethylbenzene	105	10.516	10.516	0.000	70	1006317	20.0	19.8	
102 sec-Butylbenzene	105	10.694	10.694	0.000	94	1286147	20.0	19.7	
103 1,3-Dichlorobenzene	146	10.812	10.812	0.000	84	598840	20.0	18.9	
104 4-Isopropyltoluene	119	10.848	10.848	0.000	90	1117286	20.0	20.0	
105 1,4-Dichlorobenzene	146	10.907	10.907	0.000	93	606688	20.0	18.4	
108 n-Butylbenzene	91	11.275	11.275	0.000	98	958018	20.0	19.8	
109 1,2-Dichlorobenzene	146	11.298	11.298	0.000	97	559506	20.0	19.3	
110 1,2-Dibromo-3-Chloropropan	157	12.129	12.129	0.000	92	99335	20.0	19.3	
112 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	90	379757	20.0	19.1	
113 Hexachlorobutadiene	225	13.196	13.196	0.000	92	199490	20.0	19.2	
114 Naphthalene	128	13.279	13.279	0.000	96	1094286	20.0	19.5	
115 1,2,3-Trichlorobenzene	180	13.540	13.540	0.000	94	351575	20.0	19.5	
S 127 Trihalomethanes, Total	1				0		80.0	77.7	
S 164 Total BTEX	1				0		100.0	97.3	
S 126 Xylenes, Total	106				0		40.0	39.5	

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmrgas_00255	Amount Added:	16.00	Units: uL
vmarolistdw_00256	Amount Added:	16.00	Units: uL
vmrprimw_00292	Amount Added:	16.00	Units: uL
vm50ss_00329	Amount Added:	16.00	Units: uL

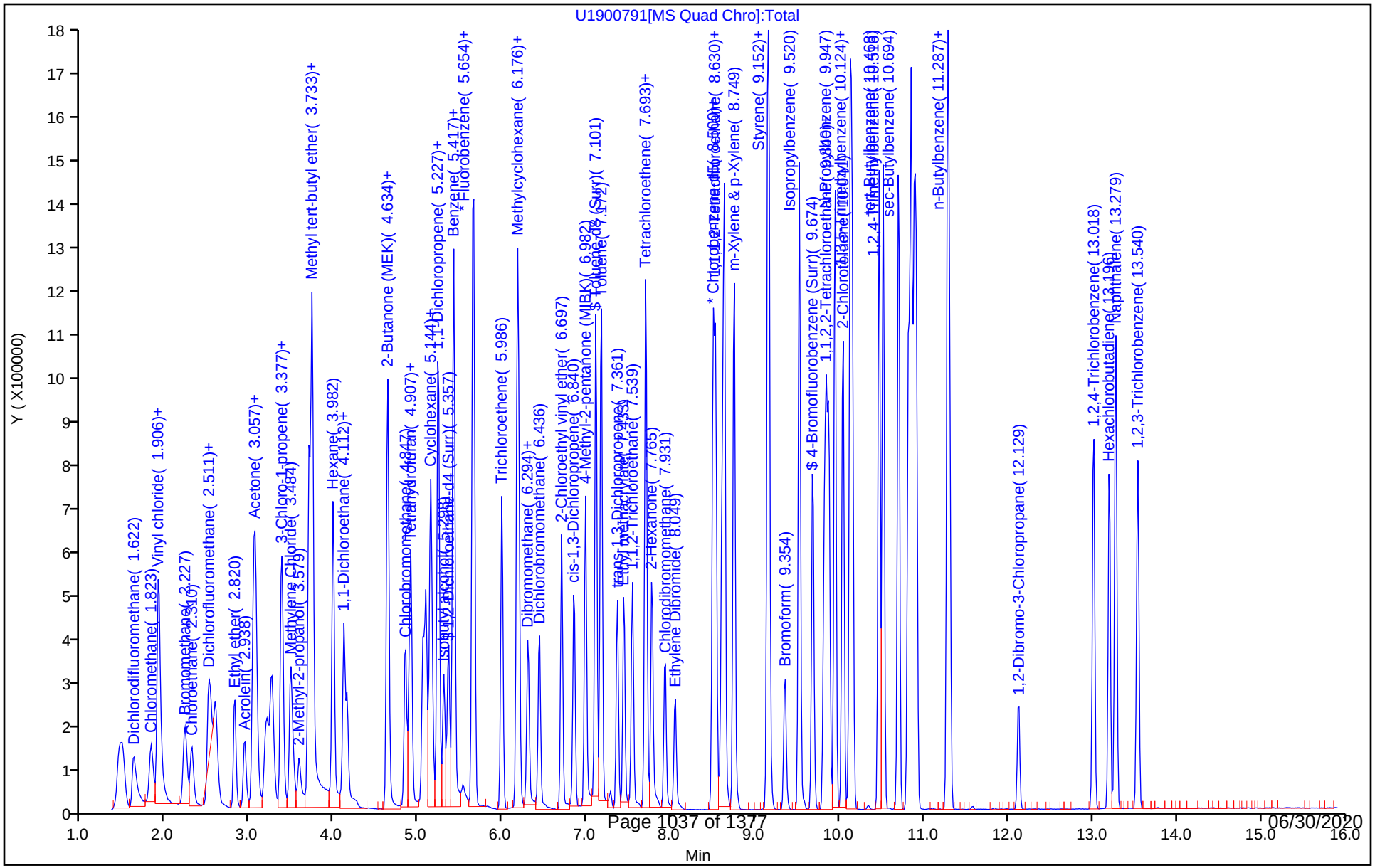
Report Date: 25-Jul-2018 10:13:50 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900791.d

Injection Date:	24-Jul-2018 18:57:47	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	ICIS L4			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900792.d
Lims ID: std8260 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 24-Jul-2018 19:20:02 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0078277-011
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2018 10:13:54 Calib Date: 24-Jul-2018 20:04:28
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: laveyt Date: 25-Jul-2018 09:49:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.653	5.654	-0.001	98	952790	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	83	771801	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	92	425561	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	60	119809	10.0	9.71	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.357	5.357	0.000	90	125069	10.0	9.57	
$ 6 Toluene-d8 (Surr)	98	7.100	7.101	-0.001	89	467380	10.0	10.1	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	91	172585	10.0	9.67	
9 Dichlorodifluoromethane	85	1.598	1.622	-0.024	86	151920	10.0	9.16	
10 Chloromethane	50	1.811	1.823	-0.012	78	155433	10.0	9.68	
12 Butadiene	54	1.894	1.906	-0.012	88	137925	10.0	8.83	
11 Vinyl chloride	62	1.918	1.930	-0.012	73	148293	10.0	9.55	
13 Bromomethane	94	2.214	2.227	-0.013	91	114577	10.0	9.81	
14 Chloroethane	64	2.297	2.310	-0.013	94	93395	10.0	9.89	
15 Dichlorofluoromethane	67	2.499	2.511	-0.012	82	215631	10.0	9.68	
16 Trichlorofluoromethane	101	2.570	2.582	-0.012	98	187339	10.0	8.89	
17 Ethyl ether	59	2.807	2.820	-0.013	87	90620	10.0	9.57	
18 Acrolein	56	2.926	2.938	-0.012	95	106196	50.0	42.7	
21 1,1-Dichloroethene	61	3.033	3.033	0.000	90	185910	10.0	10.3	
20 1,1,2-Trichloro-1,2,2-trif	101	3.045	3.057	-0.012	76	134365	10.0	10.4	
22 Acetone	43	3.068	3.080	-0.012	55	52355	20.0	16.7	
23 Iodomethane	142	3.187	3.199	-0.012	97	228493	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Carbon disulfide	76	3.246	3.258	-0.012	98	387941	10.0	9.62	
26 3-Chloro-1-propene	41	3.365	3.365	0.000	82	184068	10.0	9.73	
27 Methyl acetate	43	3.377	3.389	-0.012	84	197122	20.0	18.3	
28 Methylene Chloride	49	3.471	3.484	-0.013	57	144386	10.0	10.0	
29 2-Methyl-2-propanol	59	3.578	3.579	0.000	32	110777	100.0	94.4	
30 Acrylonitrile	53	3.697	3.697	0.000	99	448754	100.0	92.1	
32 trans-1,2-Dichloroethene	61	3.732	3.733	-0.001	71	175373	10.0	9.87	
31 Methyl tert-butyl ether	73	3.732	3.733	-0.001	88	335243	10.0	10.1	
33 Hexane	57	3.981	3.982	-0.001	90	208123	10.0	10.7	
34 1,1-Dichloroethane	63	4.112	4.112	0.000	97	213583	10.0	10.2	
35 Vinyl acetate	43	4.147	4.148	-0.001	96	187841	10.0	9.87	
41 2-Butanone (MEK)	72	4.634	4.634	0.000	71	34072	20.0	19.0	
39 2,2-Dichloropropane	77	4.634	4.634	0.000	65	134434	10.0	10.7	
40 cis-1,2-Dichloroethene	96	4.622	4.634	-0.012	69	143871	10.0	9.80	
45 Chlorobromomethane	49	4.835	4.836	-0.001	84	89489	10.0	9.27	
46 Tetrahydrofuran	42	4.883	4.883	0.000	87	86462	20.0	18.7	
47 Chloroform	83	4.906	4.907	-0.001	70	213657	10.0	9.83	
48 1,1,1-Trichloroethane	97	5.084	5.085	-0.001	90	206006	10.0	10.5	
49 Cyclohexane	84	5.144	5.144	0.000	85	214696	10.0	10.5	
50 1,1-Dichloropropene	75	5.227	5.227	0.000	93	182947	10.0	10.3	
51 Carbon tetrachloride	117	5.238	5.239	-0.001	69	187898	10.0	10.3	
52 Isobutyl alcohol	41	5.298	5.298	0.000	69	105355	250.0	251.7	
53 Benzene	78	5.416	5.417	-0.001	94	494183	10.0	10.1	
54 1,2-Dichloroethane	62	5.416	5.417	-0.001	46	152677	10.0	9.72	
56 n-Heptane	57	5.642	5.642	0.000	60	135257	10.0	10.5	
58 Trichloroethene	130	5.985	5.986	-0.001	91	155201	10.0	10.3	
60 Methylcyclohexane	83	6.175	6.176	-0.001	89	256970	10.0	10.5	
61 1,2-Dichloropropane	63	6.187	6.187	0.000	84	110015	10.0	10.0	
63 Dibromomethane	174	6.294	6.294	0.000	91	95707	10.0	9.42	
64 1,4-Dioxane	88	6.306	6.306	0.000	33	23290	200.0	215.3	
65 Dichlorobromomethane	83	6.436	6.436	0.000	93	152581	10.0	9.92	
67 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	86	171233	20.0	21.0	
68 cis-1,3-Dichloropropene	75	6.839	6.840	-0.001	93	175580	10.0	9.76	
69 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	93	308673	20.0	21.2	
70 Toluene	91	7.171	7.172	-0.001	94	544060	10.0	9.89	
71 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	85	172822	10.0	9.78	
72 Ethyl methacrylate	69	7.432	7.433	-0.001	88	166277	10.0	9.93	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	80	109350	10.0	10.1	
75 Tetrachloroethene	166	7.693	7.693	0.000	91	166266	10.0	10.2	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	87	188817	10.0	10.1	
77 2-Hexanone	43	7.764	7.765	-0.001	80	235229	20.0	20.8	
79 Chlorodibromomethane	129	7.930	7.931	-0.001	86	125585	10.0	9.75	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
80 Ethylene Dibromide	107	8.049	8.049	0.000	98	121691	10.0	9.89	
82 Chlorobenzene	112	8.523	8.524	-0.001	97	362449	10.0	9.86	
83 1,1,1,2-Tetrachloroethane	131	8.606	8.607	-0.001	80	126948	10.0	10.1	
84 Ethylbenzene	106	8.630	8.630	0.000	98	197845	10.0	10.1	
85 m-Xylene & p-Xylene	106	8.749	8.749	0.000	99	245222	10.0	10.1	
87 Styrene	104	9.152	9.152	0.000	88	391122	10.0	10.1	
86 o-Xylene	106	9.152	9.152	0.000	87	240986	10.0	10.3	
88 Bromoform	173	9.353	9.354	-0.001	98	100560	10.0	9.77	
89 Isopropylbenzene	105	9.519	9.520	-0.001	95	636049	10.0	10.3	
91 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	88	173948	10.0	10.3	
92 Bromobenzene	156	9.840	9.840	0.000	87	164497	10.0	10.2	
93 1,2,3-Trichloropropane	110	9.863	9.864	-0.001	69	63108	10.0	10.5	
94 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	64	51819	10.0	9.96	
95 N-Propylbenzene	120	9.946	9.947	-0.001	96	181166	10.0	10.6	
96 2-Chlorotoluene	126	10.041	10.041	0.000	96	151745	10.0	10.4	
97 1,3,5-Trimethylbenzene	105	10.124	10.124	0.000	93	517511	10.0	10.7	
98 4-Chlorotoluene	126	10.148	10.148	0.000	97	160173	10.0	10.5	
99 tert-Butylbenzene	119	10.468	10.468	0.000	77	490442	10.0	10.6	
101 1,2,4-Trimethylbenzene	105	10.515	10.516	-0.001	70	518127	10.0	10.4	
102 sec-Butylbenzene	105	10.693	10.694	-0.001	94	681132	10.0	10.6	
103 1,3-Dichlorobenzene	146	10.812	10.812	0.000	82	309437	10.0	9.93	
104 4-Isopropyltoluene	119	10.848	10.848	0.000	91	582655	10.0	10.6	
105 1,4-Dichlorobenzene	146	10.907	10.907	0.000	91	316046	10.0	9.78	
108 n-Butylbenzene	91	11.274	11.275	-0.001	97	498908	10.0	10.5	
109 1,2-Dichlorobenzene	146	11.298	11.298	0.000	97	286113	10.0	10.0	
110 1,2-Dibromo-3-Chloropropan	157	12.128	12.129	-0.001	88	48670	10.0	9.63	
112 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	92	189226	10.0	9.67	
113 Hexachlorobutadiene	225	13.207	13.196	0.011	85	103707	10.0	10.2	
114 Naphthalene	128	13.279	13.279	0.000	96	544587	10.0	9.87	
115 1,2,3-Trichlorobenzene	180	13.539	13.540	-0.001	96	177768	10.0	10.0	
S 164 Total BTEX	1				0		50.0	50.6	
S 127 Trihalomethanes, Total	1				0		40.0	39.3	
S 124 1,2-Dichloroethene, Total	96				0			19.7	
S 125 1,3-Dichloropropene, Total	75				0			19.5	
S 126 Xylenes, Total	106				0		20.0	20.5	

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmrgas_00255	Amount Added:	8.00	Units: uL
vmarolistdw_00256	Amount Added:	8.00	Units: uL
vmrprimw_00292	Amount Added:	8.00	Units: uL
vm50ss_00329	Amount Added:	8.00	Units: uL

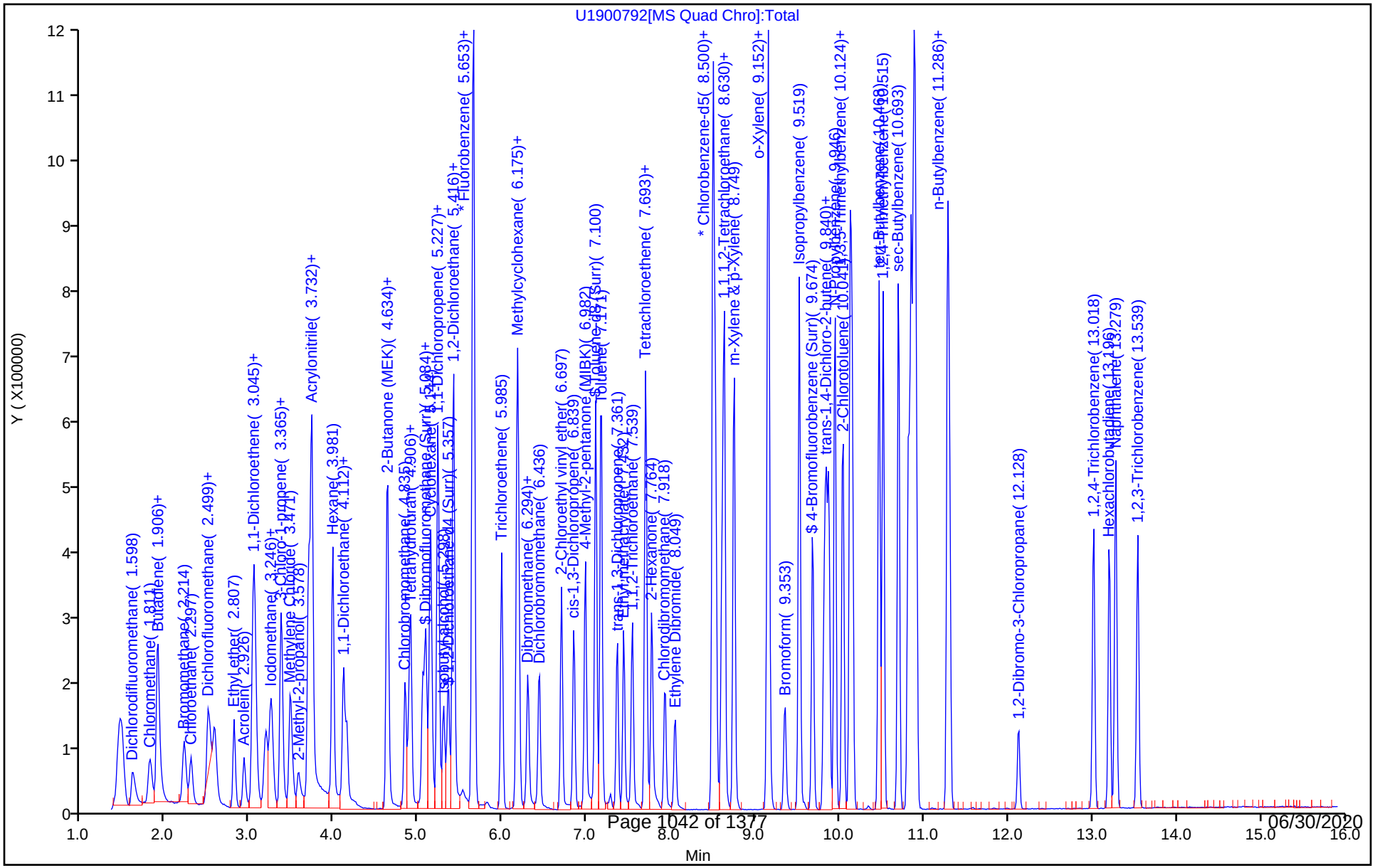
Report Date: 25-Jul-2018 10:13:56 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900792.d

Injection Date:	24-Jul-2018 19:20:02	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L3			Worklist Smp#:	11
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900793.d
Lims ID: std8260 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 24-Jul-2018 19:42:05 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0078277-012
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2018 10:14:00 Calib Date: 24-Jul-2018 20:04:28
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: laveyt Date: 25-Jul-2018 09:51:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	99	894422	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	82	708670	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.884	10.883	0.001	93	428230	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	60	11849	1.00	1.02	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.357	5.357	0.000	88	13421	1.00	1.09	
$ 6 Toluene-d8 (Surr)	98	7.101	7.101	0.000	87	42636	1.00	1.00	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	86	17427	1.00	1.06	
9 Dichlorodifluoromethane	85	1.610	1.622	-0.012	74	14647	1.00	0.9411	
10 Chloromethane	50	1.812	1.823	-0.011	89	16570	1.00	1.10	
12 Butadiene	54	1.895	1.906	-0.011	88	15313	1.00	1.04	
11 Vinyl chloride	62	1.930	1.930	0.000	70	15847	1.00	1.09	
13 Bromomethane	94	2.215	2.227	-0.012	77	12818	1.00	1.17	
14 Chloroethane	64	2.298	2.310	-0.012	70	9377	1.00	1.06	
15 Dichlorofluoromethane	67	2.499	2.511	-0.012	82	21989	1.00	1.05	
16 Trichlorofluoromethane	101	2.559	2.582	-0.023	73	20928	1.00	1.06	
17 Ethyl ether	59	2.808	2.820	-0.012	80	9442	1.00	1.06	
18 Acrolein	56	2.926	2.938	-0.012	86	11339	5.00	4.86	
21 1,1-Dichloroethene	61	3.033	3.033	0.000	92	17119	1.00	1.01	
20 1,1,2-Trichloro-1,2,2-trif	101	3.057	3.057	0.000	63	12789	1.00	1.06	
22 Acetone	43	3.069	3.080	-0.011	66	7064	2.00	2.40	
23 Iodomethane	142	3.187	3.199	-0.012	96	21574	1.00	1.03	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Carbon disulfide	76	3.247	3.258	-0.011	96	43688	1.00	1.15	
26 3-Chloro-1-propene	41	3.365	3.365	0.000	84	18985	1.00	1.07	
27 Methyl acetate	43	3.389	3.389	0.000	92	19667	2.00	1.94	
28 Methylene Chloride	49	3.472	3.484	-0.012	75	15117	1.00	1.12	
29 2-Methyl-2-propanol	59	3.579	3.579	0.001	70	12788	10.0	11.6	
30 Acrylonitrile	53	3.697	3.697	0.000	100	41875	10.0	9.15	
31 Methyl tert-butyl ether	73	3.733	3.733	0.000	87	32315	1.00	1.04	
32 trans-1,2-Dichloroethene	61	3.733	3.733	0.000	73	17800	1.00	1.07	
33 Hexane	57	3.982	3.982	0.000	92	18280	1.00	1.00	
34 1,1-Dichloroethane	63	4.112	4.112	0.000	83	19272	1.00	0.9804	
35 Vinyl acetate	43	4.148	4.148	0.000	95	16923	1.00	0.9468	
40 cis-1,2-Dichloroethene	96	4.622	4.634	-0.012	78	14795	1.00	1.07	
39 2,2-Dichloropropane	77	4.634	4.634	0.000	56	12773	1.00	1.08	
41 2-Butanone (MEK)	72	4.634	4.634	0.000	60	3193	2.00	1.90	
45 Chlorobromomethane	49	4.836	4.836	0.000	67	9868	1.00	1.09	
46 Tetrahydrofuran	42	4.883	4.883	0.000	84	9301	2.00	2.14	
47 Chloroform	83	4.907	4.907	0.000	66	21458	1.00	1.05	
48 1,1,1-Trichloroethane	97	5.085	5.085	0.000	80	17835	1.00	0.9707	
49 Cyclohexane	84	5.144	5.144	0.000	82	19597	1.00	1.02	
50 1,1-Dichloropropene	75	5.227	5.227	0.000	87	17455	1.00	1.04	
51 Carbon tetrachloride	117	5.239	5.239	0.000	75	17198	1.00	1.01	
52 Isobutyl alcohol	41	5.298	5.298	0.000	89	7910	25.0	20.1	
54 1,2-Dichloroethane	62	5.417	5.417	0.000	50	15873	1.00	1.08	
53 Benzene	78	5.417	5.417	0.000	94	48419	1.00	1.06	
56 n-Heptane	57	5.654	5.642	0.012	38	35642	1.00	1.01	
58 Trichloroethene	130	5.986	5.986	0.000	84	14571	1.00	1.03	
60 Methylcyclohexane	83	6.176	6.176	0.000	88	22689	1.00	0.9886	
61 1,2-Dichloropropane	63	6.187	6.187	0.000	79	10704	1.00	1.04	
63 Dibromomethane	174	6.294	6.294	0.000	82	9635	1.00	1.01	
64 1,4-Dioxane	88	6.318	6.306	0.012	1	1478	20.0	14.6	
65 Dichlorobromomethane	83	6.425	6.436	-0.011	87	13539	1.00	0.9376	
67 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	82	14128	2.00	1.84	
68 cis-1,3-Dichloropropene	75	6.840	6.840	0.000	76	17042	1.00	1.01	
69 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	91	26811	2.00	1.96	
70 Toluene	91	7.172	7.172	0.000	93	51989	1.00	1.03	
71 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	75	16254	1.00	1.00	
72 Ethyl methacrylate	69	7.433	7.433	0.000	77	14391	1.00	0.9357	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	74	9825	1.00	0.99	
75 Tetrachloroethene	166	7.694	7.693	0.001	89	14983	1.00	1.00	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	77	17817	1.00	1.03	
77 2-Hexanone	43	7.777	7.765	0.012	67	19416	2.00	1.87	
79 Chlorodibromomethane	129	7.931	7.931	0.000	74	11860	1.00	1.00	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
80 Ethylene Dibromide	107	8.049	8.049	0.000	85	11944	1.00	1.06	
82 Chlorobenzene	112	8.524	8.524	0.000	65	36126	1.00	1.07	
83 1,1,1,2-Tetrachloroethane	131	8.607	8.607	0.000	59	11650	1.00	1.01	
84 Ethylbenzene	106	8.630	8.630	0.000	96	18517	1.00	1.03	
85 m-Xylene & p-Xylene	106	8.749	8.749	0.000	99	21784	1.00	0.9817	
86 o-Xylene	106	9.140	9.152	-0.012	91	20892	1.00	0.9751	
87 Styrene	104	9.152	9.152	0.000	88	33956	1.00	0.9551	
88 Bromoform	173	9.354	9.354	0.000	82	8645	1.00	0.9144	
89 Isopropylbenzene	105	9.520	9.520	0.000	91	55210	1.00	0.9739	
91 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	77	17817	1.00	1.04	
92 Bromobenzene	156	9.840	9.840	0.000	89	15559	1.00	0.9619	
93 1,2,3-Trichloropropane	110	9.864	9.864	0.000	70	5494	1.00	0.9090	
94 trans-1,4-Dichloro-2-buten	53	9.864	9.875	-0.011	44	4738	1.00	0.9051	
95 N-Propylbenzene	120	9.947	9.947	0.000	94	16107	1.00	0.9402	
96 2-Chlorotoluene	126	10.042	10.041	0.001	93	15255	1.00	1.04	
97 1,3,5-Trimethylbenzene	105	10.125	10.124	0.001	93	45567	1.00	0.9397	
98 4-Chlorotoluene	126	10.148	10.148	0.000	94	15545	1.00	1.01	
99 tert-Butylbenzene	119	10.468	10.468	0.000	88	47758	1.00	1.02	
101 1,2,4-Trimethylbenzene	105	10.516	10.516	0.000	68	49545	1.00	0.9846	
102 sec-Butylbenzene	105	10.694	10.694	0.000	90	61320	1.00	0.9521	
103 1,3-Dichlorobenzene	146	10.812	10.812	0.000	11	33191	1.00	1.06	
104 4-Isopropyltoluene	119	10.848	10.848	0.000	82	50862	1.00	0.9208	
105 1,4-Dichlorobenzene	146	10.907	10.907	0.000	52	35488	1.00	1.09	
108 n-Butylbenzene	91	11.275	11.275	0.000	94	45503	1.00	0.9538	
109 1,2-Dichlorobenzene	146	11.299	11.298	0.001	94	30581	1.00	1.07	
110 1,2-Dibromo-3-Chloropropan	157	12.129	12.129	0.000	47	4764	1.00	0.9369	
112 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	82	21592	1.00	1.10	
113 Hexachlorobutadiene	225	13.208	13.196	0.012	66	10992	1.00	1.07	
114 Naphthalene	128	13.279	13.279	0.000	93	57589	1.00	1.04	
115 1,2,3-Trichlorobenzene	180	13.540	13.540	0.000	86	18094	1.00	1.02	
S 127 Trihalomethanes, Total	1				0		4.00	3.91	
S 164 Total BTEX	1				0		5.00	5.07	
S 124 1,2-Dichloroethene, Total	96				0			2.14	
S 125 1,3-Dichloropropene, Total	75				0			2.01	
S 126 Xylenes, Total	106				0		2.00	1.96	

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmrgas_00255	Amount Added:	0.80	Units: uL
vmarolistdw_00256	Amount Added:	0.80	Units: uL
vmrprimw_00292	Amount Added:	0.80	Units: uL
vm50ss_00329	Amount Added:	0.80	Units: uL

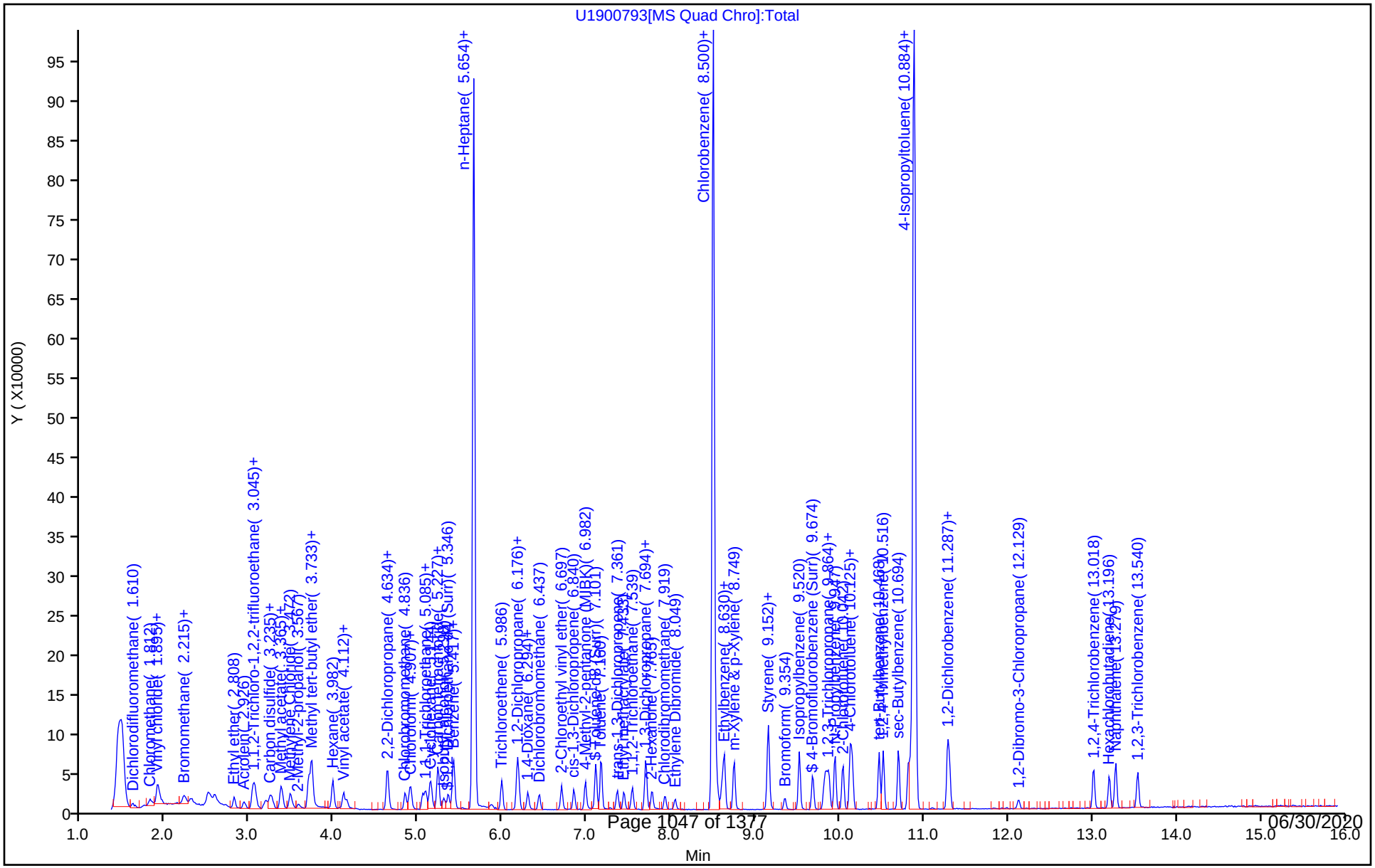
Report Date: 25-Jul-2018 10:14:02 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900793.d

Injection Date:	24-Jul-2018 19:42:05	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L2			Worklist Smp#:	12
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d
Lims ID: std8260 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Jul-2018 20:04:28 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0078277-013
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2018 10:14:09 Calib Date: 24-Jul-2018 20:04:28
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: laveyt Date: 25-Jul-2018 09:56:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	99	923893	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	84	731189	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	93	428789	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	56	6754	0.5000	0.5647	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.357	5.357	0.000	75	7422	0.5000	0.5855	
$ 6 Toluene-d8 (Surr)	98	7.100	7.101	-0.001	74	22890	0.5000	0.5200	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	79	10413	0.5000	0.6156	
9 Dichlorodifluoromethane	85	1.633	1.622	0.011	62	6894	0.5000	0.4288	
10 Chloromethane	50	1.823	1.823	0.000	71	8217	0.5000	0.5278	
12 Butadiene	54	1.906	1.906	0.000	82	7871	0.5000	0.5198	
11 Vinyl chloride	62	1.930	1.930	0.000	64	6342	0.5000	0.4211	
13 Bromomethane	94	2.238	2.227	0.011	71	6350	0.5000	0.5606	
14 Chloroethane	64	2.309	2.310	-0.001	60	4872	0.5000	0.5321	
15 Dichlorofluoromethane	67	2.511	2.511	0.000	53	12059	0.5000	0.5584	
16 Trichlorofluoromethane	101	2.582	2.582	0.000	75	10381	0.5000	0.5081	
17 Ethyl ether	59	2.819	2.820	-0.001	67	5066	0.5000	0.5520	
18 Acrolein	56	2.938	2.938	0.000	82	6772	2.50	2.81	
21 1,1-Dichloroethene	61	3.045	3.033	0.012	68	8796	0.5000	0.5026	
20 1,1,2-Trichloro-1,2,2-trif	101	3.057	3.057	-0.001	56	6009	0.5000	0.4815	
22 Acetone	43		3.080				ND	ND	U
23 Iodomethane	142	3.187	3.199	-0.012	82	10728	0.5000	0.4956	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Carbon disulfide	76	3.246	3.258	-0.012	95	23708	0.5000	0.6063	
26 3-Chloro-1-propene	41	3.365	3.365	0.000	77	9784	0.5000	0.5336	
27 Methyl acetate	43	3.389	3.389	0.000	86	13362	1.00	1.28	
28 Methylene Chloride	49		3.484				ND	ND	U
29 2-Methyl-2-propanol	59		3.579				ND	ND	U
30 Acrylonitrile	53	3.697	3.697	0.000	99	26540	5.00	5.62	
32 trans-1,2-Dichloroethene	61	3.732	3.733	-0.001	74	9868	0.5000	0.5730	
31 Methyl tert-butyl ether	73	3.732	3.733	-0.001	83	15911	0.5000	0.4958	
33 Hexane	57	3.981	3.982	-0.001	90	9277	0.5000	0.4936	
34 1,1-Dichloroethane	63	4.112	4.112	0.000	54	9924	0.5000	0.4888	
35 Vinyl acetate	43	4.148	4.148	0.000	95	9654	0.5000	0.5229	
41 2-Butanone (MEK)	72		4.634				ND	ND	
39 2,2-Dichloropropane	77	4.634	4.634	0.000	46	6159	0.5000	0.5045	
40 cis-1,2-Dichloroethene	96	4.634	4.634	0.000	56	7528	0.5000	0.5287	
45 Chlorobromomethane	49	4.835	4.836	-0.001	65	5651	0.5000	0.6036	
46 Tetrahydrofuran	42	4.895	4.883	0.012	78	4596	1.00	1.02	
47 Chloroform	83	4.906	4.907	-0.001	60	10692	0.5000	0.5074	
48 1,1,1-Trichloroethane	97	5.084	5.085	-0.001	72	9137	0.5000	0.4814	
49 Cyclohexane	84	5.144	5.144	0.000	79	9806	0.5000	0.4936	
50 1,1-Dichloropropene	75	5.227	5.227	0.000	85	8674	0.5000	0.5025	
51 Carbon tetrachloride	117	5.239	5.239	-0.001	69	8406	0.5000	0.4757	
52 Isobutyl alcohol	41	5.298	5.298	0.000	73	5482	12.5	13.5	
53 Benzene	78	5.416	5.417	-0.001	94	22844	0.5000	0.4820	
54 1,2-Dichloroethane	62	5.416	5.417	-0.001	40	8485	0.5000	0.5573	
56 n-Heptane	57		5.642				ND	ND	U
58 Trichloroethene	130	5.986	5.986	0.000	83	7211	0.5000	0.4940	
60 Methylcyclohexane	83	6.175	6.176	-0.001	83	11515	0.5000	0.4857	
61 1,2-Dichloropropane	63	6.187	6.187	0.000	62	4734	0.5000	0.4448	
63 Dibromomethane	174	6.306	6.294	0.012	67	5496	0.5000	0.5580	
64 1,4-Dioxane	88		6.306				ND	ND	U
65 Dichlorobromomethane	83	6.436	6.436	0.000	71	7466	0.5000	0.5005	
67 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	76	7395	1.00	0.9347	
68 cis-1,3-Dichloropropene	75	6.839	6.840	-0.001	66	8313	0.5000	0.4764	
69 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	86	13091	1.00	0.9263	
70 Toluene	91	7.171	7.172	-0.001	90	28549	0.5000	0.5479	
71 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	72	8702	0.5000	0.5197	
72 Ethyl methacrylate	69	7.432	7.433	-0.001	67	7650	0.5000	0.4821	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	65	4656	0.5000	0.4562	
75 Tetrachloroethene	166	7.693	7.693	0.000	89	7470	0.5000	0.4851	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	73	8871	0.5000	0.4993	
77 2-Hexanone	43	7.764	7.765	-0.001	87	10457	1.00	0.9783	
79 Chlorodibromomethane	129	7.919	7.931	-0.012	51	5763	0.5000	0.4723	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
80 Ethylene Dibromide	107	8.049	8.049	0.000	69	6061	0.5000	0.5198	
82 Chlorobenzene	112	8.523	8.524	-0.001	47	18258	0.5000	0.5243	
83 1,1,1,2-Tetrachloroethane	131	8.606	8.607	-0.001	47	5213	0.5000	0.4361	
84 Ethylbenzene	106	8.630	8.630	0.000	92	8398	0.5000	0.4528	
85 m-Xylene & p-Xylene	106	8.749	8.749	0.000	96	11276	0.5000	0.4925	
87 Styrene	104	9.152	9.152	0.000	84	17512	0.5000	0.4774	
86 o-Xylene	106	9.152	9.152	0.000	82	10860	0.5000	0.4913	
88 Bromoform	173		9.354				ND	ND	U
89 Isopropylbenzene	105	9.519	9.520	-0.001	87	28418	0.5000	0.4859	
91 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	49	8105	0.5000	0.4742	
92 Bromobenzene	156	9.840	9.840	0.000	80	8740	0.5000	0.5396	
93 1,2,3-Trichloropropane	110	9.863	9.864	-0.001	57	3387	0.5000	0.5596	
94 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	36	2893	0.5000	0.5519	
95 N-Propylbenzene	120	9.946	9.947	-0.001	90	8359	0.5000	0.4873	
96 2-Chlorotoluene	126	10.041	10.041	0.000	86	6977	0.5000	0.4728	
97 1,3,5-Trimethylbenzene	105	10.124	10.124	0.000	88	22067	0.5000	0.4545	
98 4-Chlorotoluene	126	10.148	10.148	0.000	89	7717	0.5000	0.4998	
99 tert-Butylbenzene	119	10.468	10.468	0.000	82	22397	0.5000	0.4799	
101 1,2,4-Trimethylbenzene	105	10.516	10.516	0.000	62	24672	0.5000	0.4897	
102 sec-Butylbenzene	105	10.693	10.694	-0.001	78	30350	0.5000	0.4706	
103 1,3-Dichlorobenzene	146	10.812	10.812	0.000	1	17372	0.5000	0.5533	a
104 4-Isopropyltoluene	119	10.848	10.848	0.000	80	25586	0.5000	0.4626	
105 1,4-Dichlorobenzene	146	10.907	10.907	0.000	42	19169	0.5000	0.5888	
108 n-Butylbenzene	91	11.275	11.275	0.000	91	21675	0.5000	0.4537	
109 1,2-Dichlorobenzene	146	11.298	11.298	0.000	87	14939	0.5000	0.5204	
110 1,2-Dibromo-3-Chloropropan	157	12.128	12.129	-0.001	24	2566	0.5000	0.5040	
112 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	65	10787	0.5000	0.5471	
113 Hexachlorobutadiene	225	13.196	13.196	0.000	52	5347	0.5000	0.5195	
114 Naphthalene	128	13.279	13.279	0.000	81	27099	0.5000	0.4874	
115 1,2,3-Trichlorobenzene	180	13.540	13.540	0.000	60	8865	0.5000	0.4972	
S 164 Total BTEX	1				0		2.50	2.47	
S 127 Trihalomethanes, Total	1				0		2.00	1.48	
S 124 1,2-Dichloroethene, Total	96				0			1.10	
S 125 1,3-Dichloropropene, Total	75				0			1.00	
S 126 Xylenes, Total	106				0		1.00	0.9838	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmrgas_00255	Amount Added:	0.40	Units: uL
vmarolistdw_00256	Amount Added:	0.40	Units: uL
vmrprimw_00292	Amount Added:	0.40	Units: uL
vm50ss_00329	Amount Added:	0.40	Units: uL

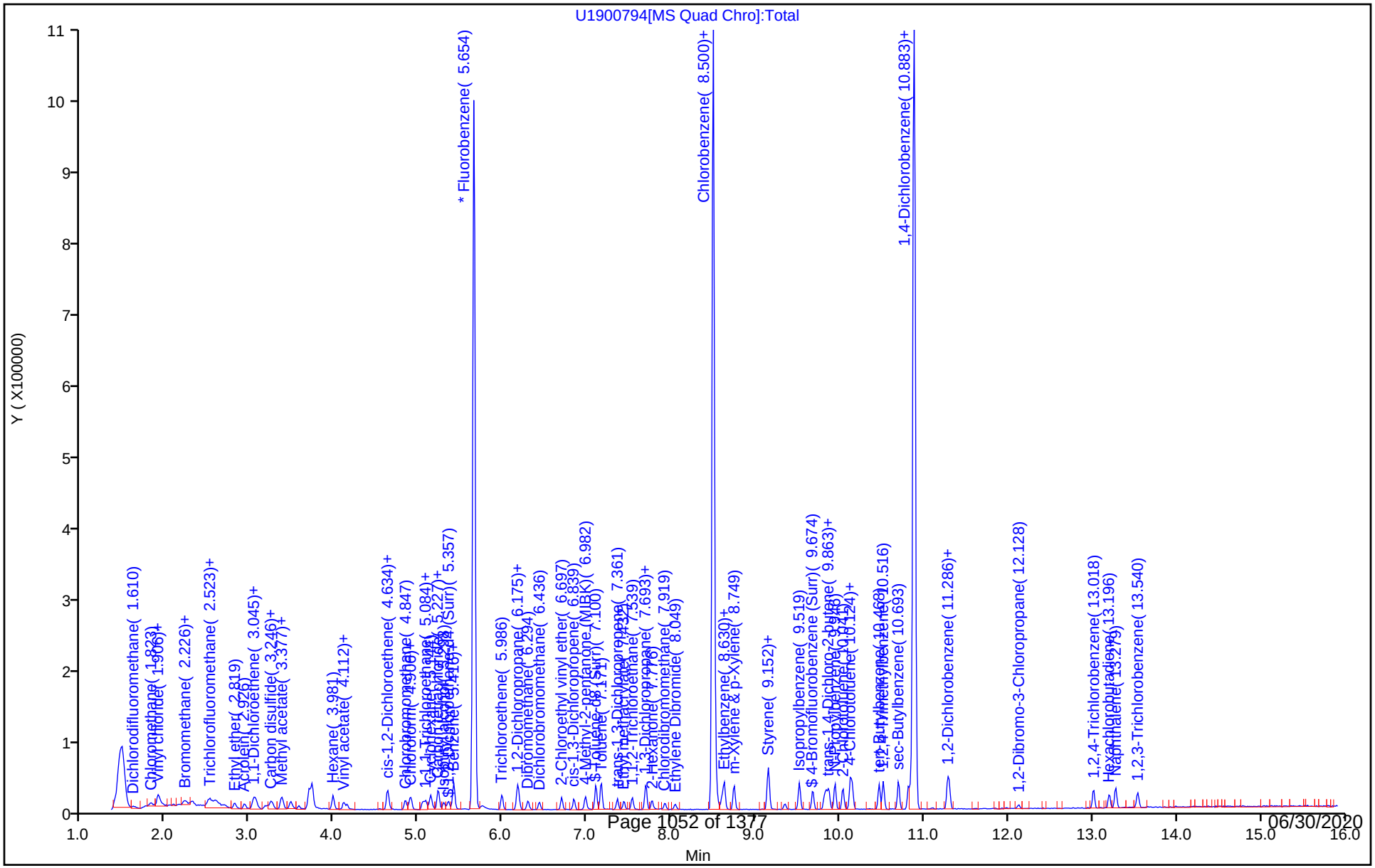
Report Date: 25-Jul-2018 10:14:11 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d

Injection Date:	24-Jul-2018 20:04:28	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L1			Worklist Smp#:	13
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Canton

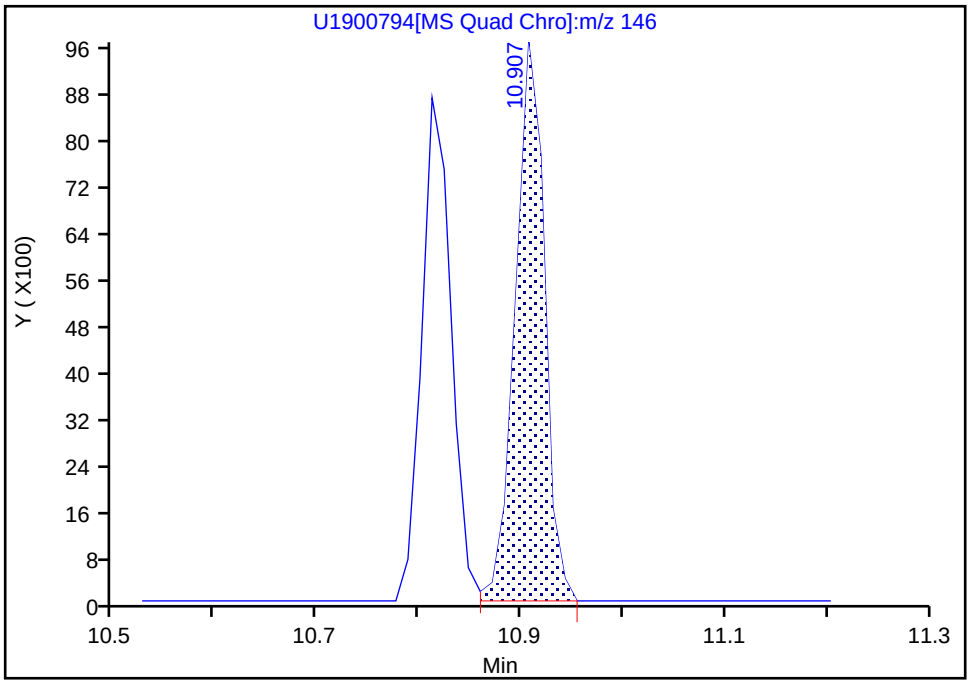
Data File:	\\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d				
Injection Date:	24-Jul-2018 20:04:28	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

103 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

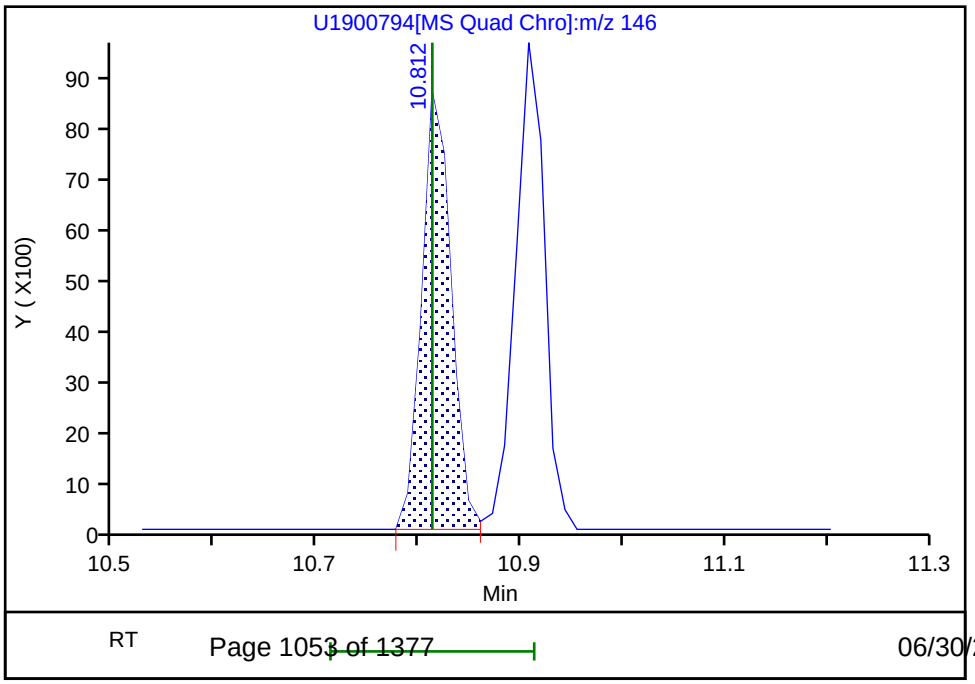
Processing Integration Results

RT: 10.91
Area: 19169
Amount: 0.600710
Amount Units: ug/l



Manual Integration Results

RT: 10.81
Area: 17372
Amount: 0.553299
Amount Units: ug/l



Reviewer: laveyt, 25-Jul-2018 09:51:37

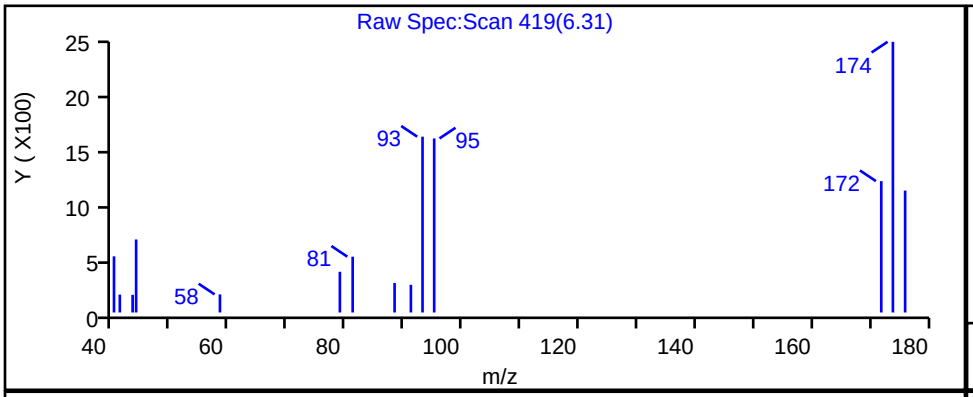
User Disabled Compound Report

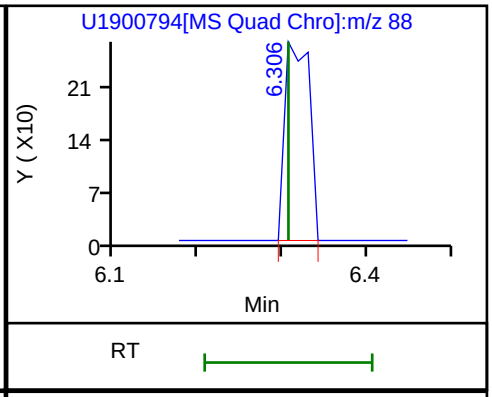
TestAmerica Canton

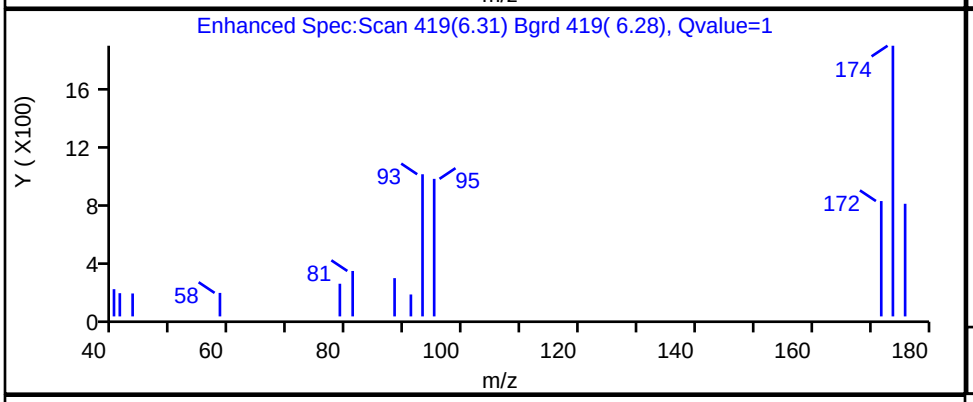
Data File:	\\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d				
Injection Date:	24-Jul-2018 20:04:28	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

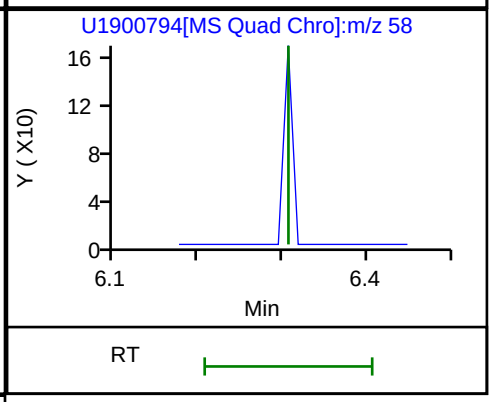
64 1,4-Dioxane, CAS: 123-91-1

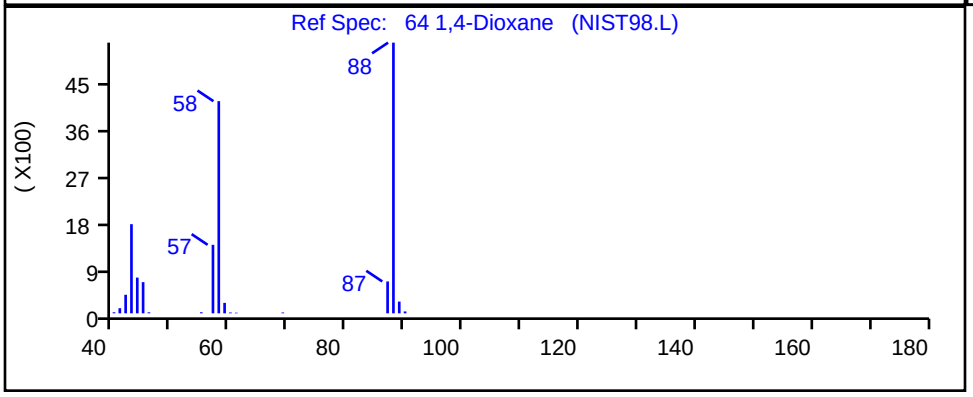
Processing Results











RT	Mass	Response	Amount
6.31	88.00	541	10.248924
6.31	58.00	0	

Reviewer: laveyt, 25-Jul-2018 10:11:40

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

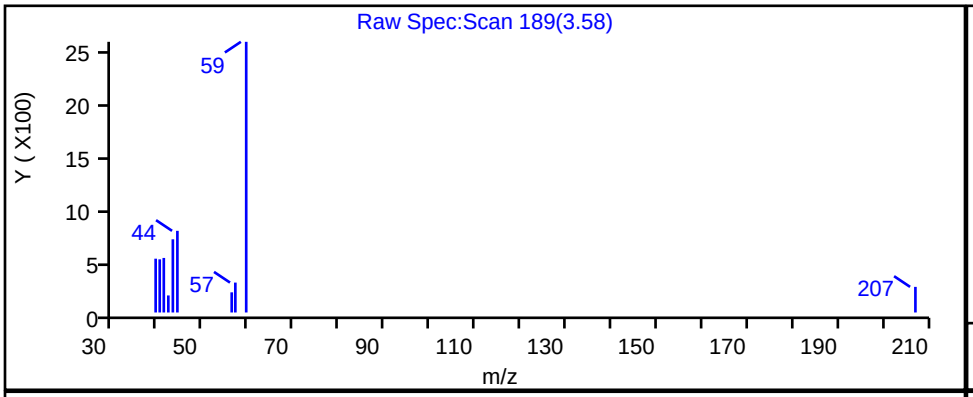
User Disabled Compound Report

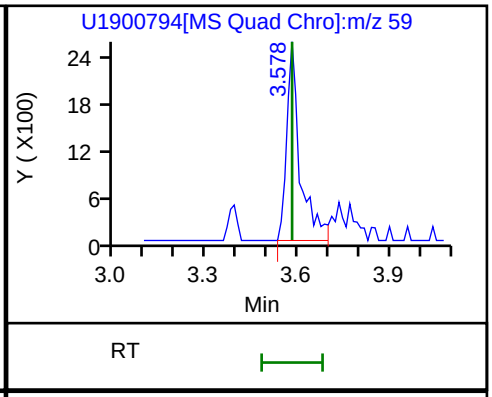
TestAmerica Canton

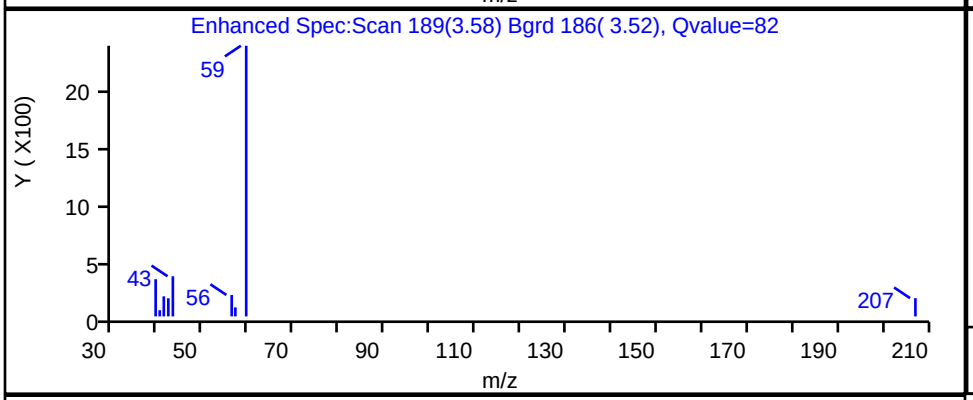
Data File:	\\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d				
Injection Date:	24-Jul-2018 20:04:28	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

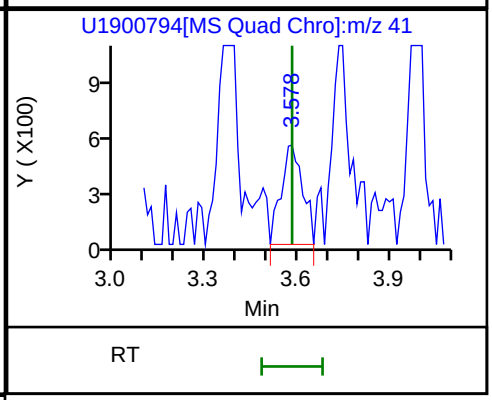
29 2-Methyl-2-propanol, CAS: 75-65-0

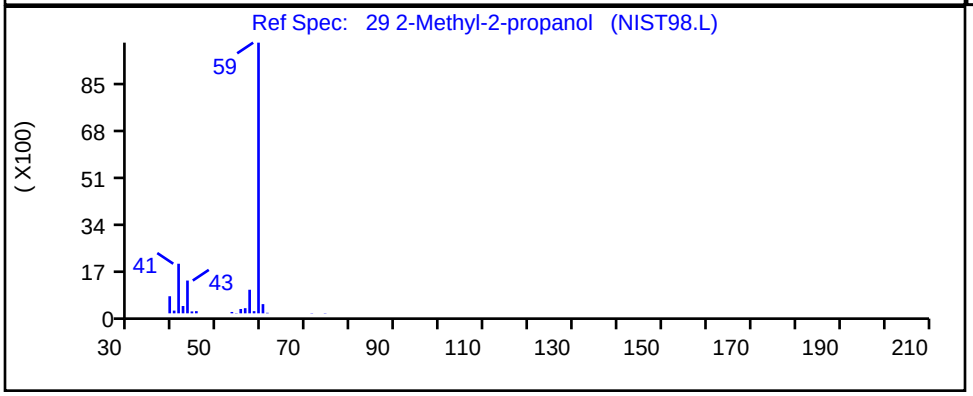
Processing Results











RT	Mass	Response	Amount
3.58	59.00	7655	6.614472
3.58	41.00	2500	

Reviewer: laveyt, 25-Jul-2018 09:53:00

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

User Disabled Compound Report

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d

Injection Date: 24-Jul-2018 20:04:28 Instrument ID: A3UX19

Lims ID: std8260 L1

Client ID:

Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 13

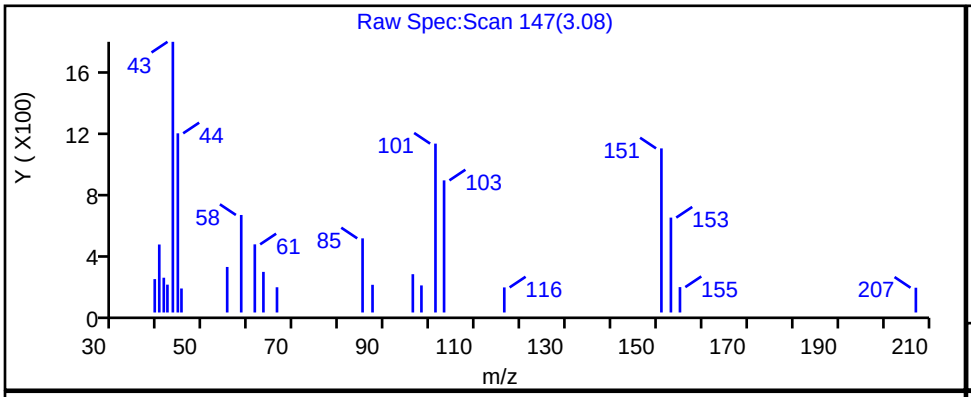
Injection Vol: 5.0 mL Dil. Factor: 1.0000

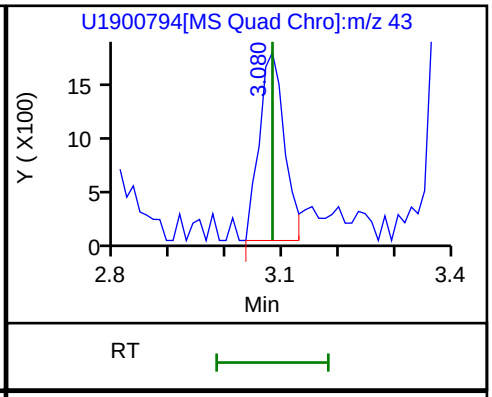
Method: 8260_19 Limit Group: MSV 8260C ICAL

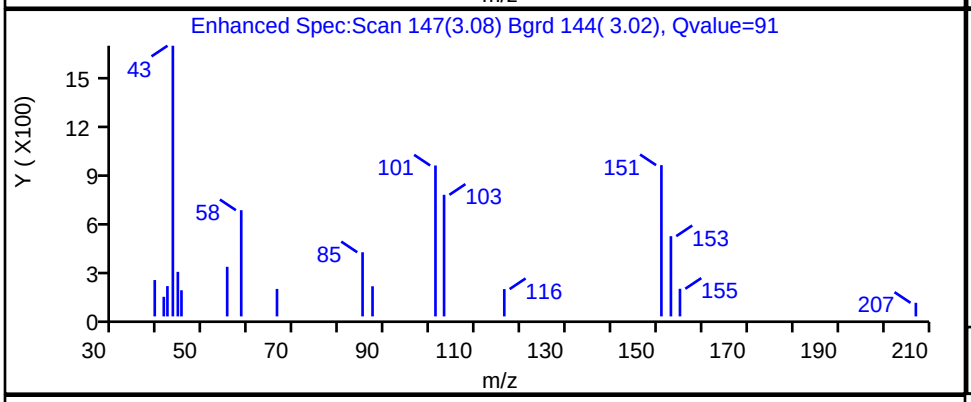
Column: DB-624 (0.18 mm) Detector MS SCAN

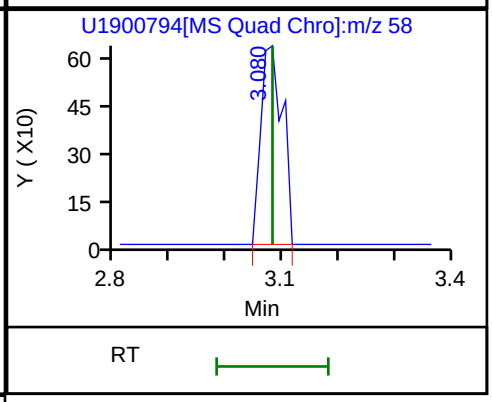
22 Acetone, CAS: 67-64-1

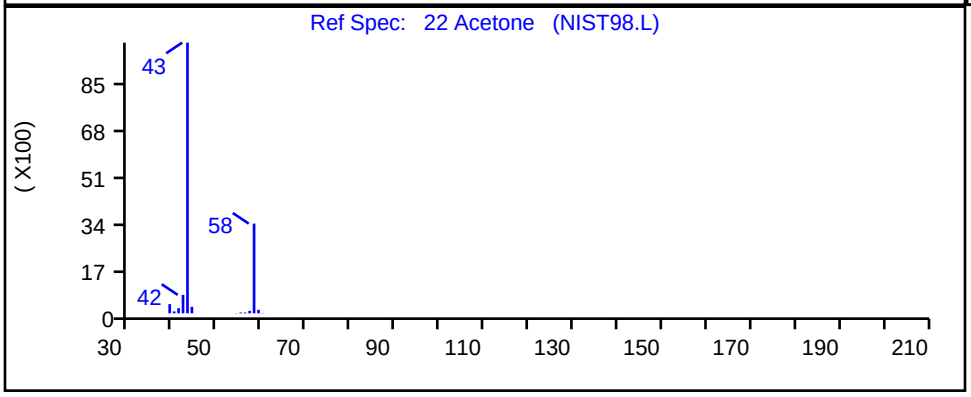
Processing Results











RT	Mass	Response	Amount
3.08	43.00	5518	1.624733
3.08	58.00	1707	

Reviewer: laveyt, 25-Jul-2018 09:52:16

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

User Disabled Compound Report

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d

Injection Date: 24-Jul-2018 20:04:28 Instrument ID: A3UX19

Lims ID: std8260 L1

Client ID:

Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 13

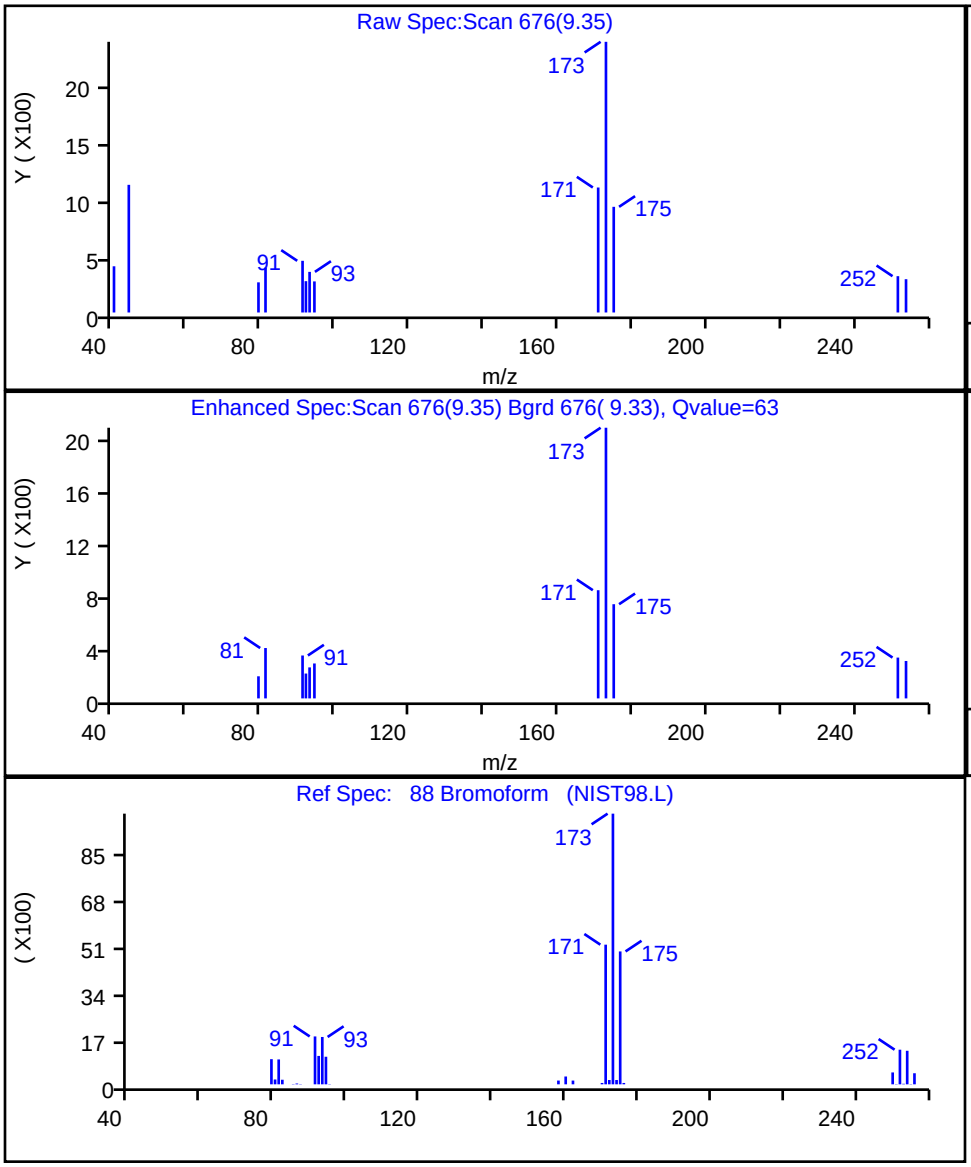
Injection Vol: 5.0 mL Dil. Factor: 1.0000

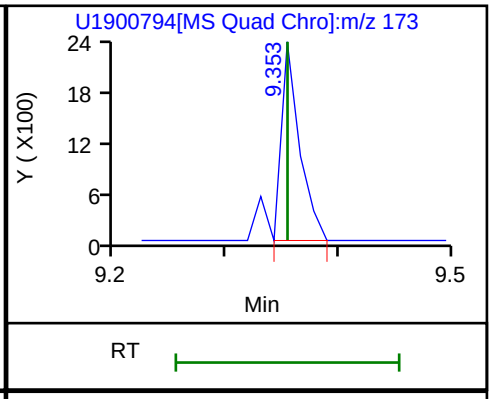
Method: 8260_19 Limit Group: MSV 8260C ICAL

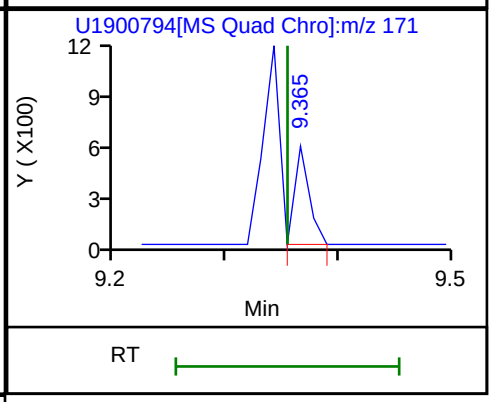
Column: DB-624 (0.18 mm) Detector MS SCAN

88 Bromoform, CAS: 75-25-2

Processing Results







RT	Mass	Response	Amount
9.35	173.00	2603	0.492517
9.37	171.00	513	

Reviewer: laveyt, 25-Jul-2018 09:54:48

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

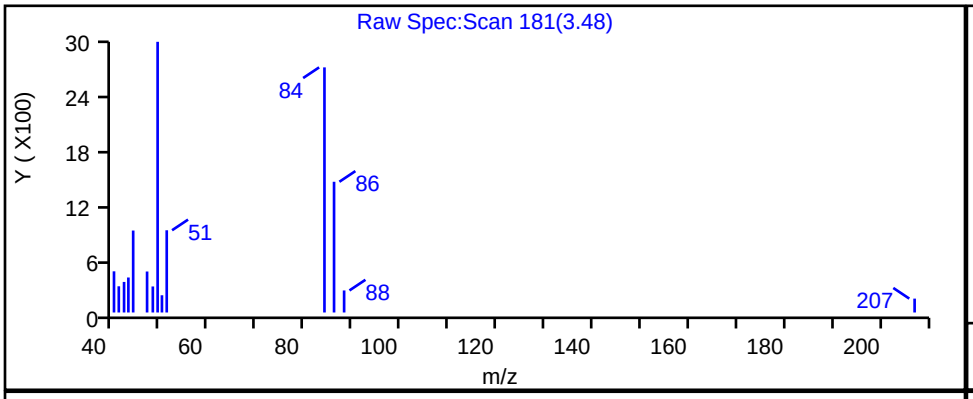
User Disabled Compound Report

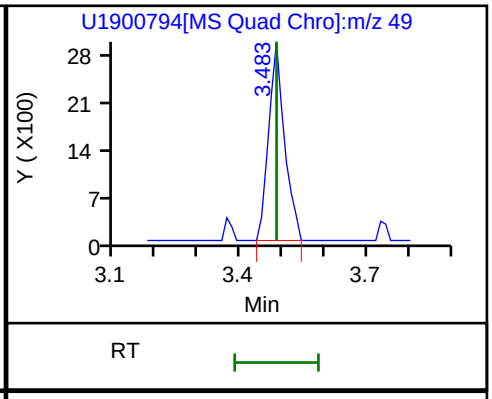
TestAmerica Canton

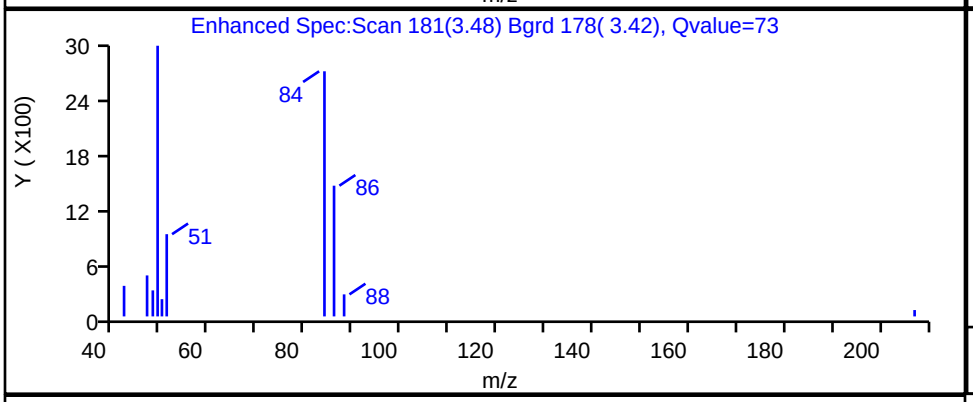
Data File:	\\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d				
Injection Date:	24-Jul-2018 20:04:28	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

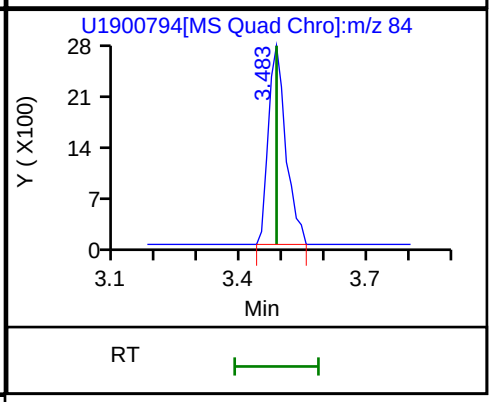
28 Methylene Chloride, CAS: 75-09-2

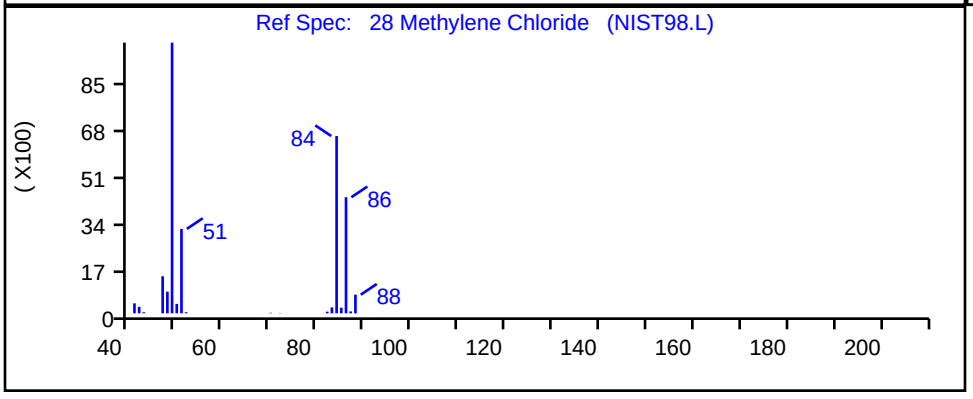
Processing Results











RT	Mass	Response	Amount
3.48	49.00	7846	0.551972
3.48	84.00	7835	

Reviewer: laveyt, 25-Jul-2018 09:52:25

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

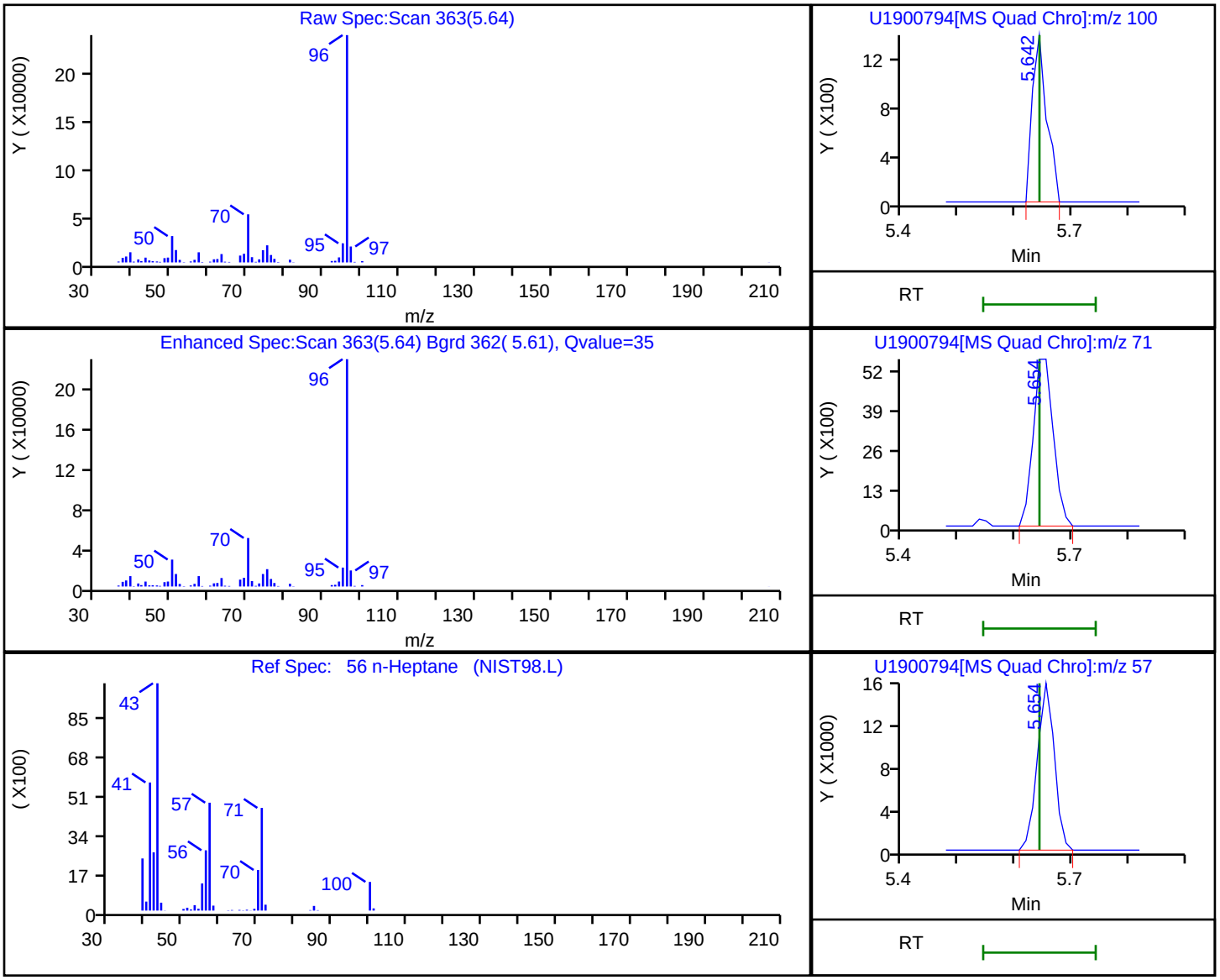
User Disabled Compound Report

TestAmerica Canton

Data File:	\\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\U1900794.d				
Injection Date:	24-Jul-2018 20:04:28	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

56 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
5.64	100.00	2448	
5.65	71.00	13746	
5.65	57.00	32874	0.539419

Reviewer: laveyt, 25-Jul-2018 09:54:04

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, Canton Job No.: 240-131928-1 Analy Batch No.: 337917

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/25/2018 13:24 Calibration End Date: 07/25/2018 15:15 Calibration ID: 46243

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-337917/13	U1900807.d
Level 2	STDA9 240-337917/12	U1900806.d
Level 3	STDA9 240-337917/11	U1900805.d
Level 4	STDA9 240-337917/10	U1900804.d
Level 5	STDA9 240-337917/9	U1900803.d
Level 6	STDA9 240-337917/8	U1900802.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 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	0.0267 0.0420	0.0243	0.0339	0.0383	0.0393	Lin1	-0.123	0.0406				15.8			0.9970		0.9900
Diisopropyl ether	0.2480 0.2295	0.2266	0.2186	0.2314	0.2335	Ave		0.2313				4.2		20.0			
2-Chloro-1,3-butadiene	0.4103 0.4183	0.3468	0.3861	0.4073	0.4185	Ave		0.3979				7.0		20.0			
Ethyl-t-butyl ether (ETBE)	0.6986 0.7570	0.7116	0.6979	0.7473	0.7423	Ave		0.7258				3.6		20.0			
Ethyl acetate	0.3112 0.3333	0.2920	0.2787	0.2931	0.2963	Ave		0.3007				6.3		20.0			
Propionitrile	0.0310 0.0489	0.0345	0.0381	0.0469	0.0451	Ave		0.0408				17.8		20.0			
Methacrylonitrile	0.1725 0.1953	0.1825	0.1747	0.1831	0.1889	Ave		0.1828				4.7		20.0			
Tert-amyl-methyl ether (TAME)	0.7358 0.8075	0.7777	0.7365	0.7842	0.7786	Ave		0.7700				3.7		20.0			
n-Butanol	0.0093 0.0103	0.0088	0.0085	0.0096	0.0096	Ave		0.0094				7.2		20.0			
Ethyl acrylate	0.3503 0.4100	0.3368	0.3674	0.3811	0.3761	Ave		0.3703				6.9		20.0			
Methyl methacrylate	0.2597 0.2591	0.2305	0.2383	0.2454	0.2423	Ave		0.2459				4.7		20.0			
2-Nitropropane	0.0701 0.0817	0.0670	0.0681	0.0750	0.0735	Ave		0.0726				7.5		20.0			
n-Butyl acetate	0.5119 0.5820	0.5042	0.5279	0.5447	0.5478	Ave		0.5364				5.3		20.0			
1-Chlorohexane	0.5172 0.4745	0.4432	0.4302	0.4451	0.4558	Ave		0.4610				6.8		20.0			
Cyclohexanone	0.0133 0.0157	0.0130	0.0126	0.0136	0.0138	Ave		0.0137				7.9		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, Canton Job No.: 240-131928-1 Analy Batch No.: 337917

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/25/2018 13:24 Calibration End Date: 07/25/2018 15:15 Calibration ID: 46243

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 3	LVL 4	LVL 5		B	M1	M2								
Pentachloroethane	0.3347 0.3690	0.3068	0.3632	0.3574	0.3461	Ave		0.3462				6.6		20.0			
1,2,3-Trimethylbenzene	2.1501 2.3751	2.2616	2.2092	2.3745	2.2840	Ave		2.2757				3.9		20.0			
Benzyl chloride	1.0405 1.5547	1.1450	1.1839	1.3693	1.4244	Ave		1.2863				15.1		20.0			
1,3,5-Trichlorobenzene	1.0658 1.0430	1.1076	0.9448	1.0009	0.9668	Ave		1.0215				6.1		20.0			
2-Methylnaphthalene	1.2994 1.8015	1.3689	1.2543	1.3185	1.5534	Ave		1.4327				14.6		20.0			
1-Chloro-1-fluoroethane TIC	0.2622 0.2664	0.2640	0.2502	0.2645	0.2646	Ave		0.2620				2.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337917

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/25/2018 13:24 Calibration End Date: 07/25/2018 15:15 Calibration ID: 46243

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-337917/13	U1900807.d
Level 2	STDA9 240-337917/12	U1900806.d
Level 3	STDA9 240-337917/11	U1900805.d
Level 4	STDA9 240-337917/10	U1900804.d
Level 5	STDA9 240-337917/9	U1900803.d
Level 6	STDA9 240-337917/8	U1900802.d

ANALYTE	IS REF	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
Acetonitrile	FB	Lin1	6053 1541995	10939	154933	344974	710013	5.00 800	10.0	100	200	400
Diisopropyl ether	FB	Ave	5629 842560	10198	100050	208654	422081	0.500 80.0	1.00	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	9314 1535298	15609	176705	367286	756317	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl-t-butyl ether (ETBE)	FB	Ave	15860 2778668	32026	319412	673922	1341567	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl acetate	FB	Ave	14128 2446844	26280	255115	528543	1070993	1.00 160	2.00	20.0	40.0	80.0
Propionitrile	FB	Ave	7042 1793207	15532	174314	423266	816037	5.00 800	10.0	100	200	400
Methacrylonitrile	FB	Ave	39164 7168171	82133	799457	1651014	3414371	5.00 800	10.0	100	200	400
Tert-amyl-methyl ether (TAME)	FB	Ave	16704 2963984	35001	337094	707156	1407333	0.500 80.0	1.00	10.0	20.0	40.0
n-Butanol	FB	Ave	5296 949589	9875	96861	216043	435974	12.5 2000	25.0	250	500	1000
Ethyl acrylate	FB	Ave	7952 1504928	15158	168159	343646	679802	0.500 80.0	1.00	10.0	20.0	40.0
Methyl methacrylate	FB	Ave	11793 1902368	20747	218113	442524	875995	1.00 160	2.00	20.0	40.0	80.0
2-Nitropropane	FB	Ave	3185 599949	6028	62364	135288	265523	1.00 160	2.00	20.0	40.0	80.0
n-Butyl acetate	CBNZ d5	Ave	9641 1740666	17906	199107	397090	794623	0.500 80.0	1.00	10.0	20.0	40.0
1-Chlorohexane	CBNZ d5	Ave	9741 1419019	15739	162266	324476	661168	0.500 80.0	1.00	10.0	20.0	40.0
Cyclohexanone	CBNZ d5	Ave	2498 468992	4617	47625	99504	200187	5.00 800	10.0	100	200	400
Pentachloroethane	DCBd 4	Ave	7164 1229564	12769	154980	304359	585743	1.00 160	2.00	20.0	40.0	80.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337917

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/25/2018 13:24 Calibration End Date: 07/25/2018 15:15 Calibration ID: 46243

ANALYTE	IS REF	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
1,2,3-Trimethylbenzene	DCBd 4	Ave	23009 3957298	47067	471355	1010948	1932917	0.500 80.0	1.00	10.0	20.0	40.0
Benzyl chloride	DCBd 4	Ave	11135 2590360	23829	252607	582984	1205410	0.500 80.0	1.00	10.0	20.0	40.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	11406 1737829	23051	201583	426143	818176	0.500 80.0	1.00	10.0	20.0	40.0
2-Methylnaphthalene	DCBd 4	Ave	27811 6003075	56979	535247	1122673	2629143	1.00 160	2.00	20.0	40.0	80.0
1-Chloro-1-fluoroethane TIC	FB	Ave	5953 977727	11883	114539	238507	478166	0.500 80.0	1.00	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 337917

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/25/2018 13:24 Calibration End Date: 07/25/2018 15:15 Calibration ID: 46243

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-337917/13	U1900807.d
Level 2	STDA9 240-337917/12	U1900806.d
Level 3	STDA9 240-337917/11	U1900805.d
Level 4	STDA9 240-337917/10	U1900804.d
Level 5	STDA9 240-337917/9	U1900803.d
Level 6	STDA9 240-337917/8	U1900802.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Acetonitrile	26.1						50					

TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900802.d
Lims ID: stdA9 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 25-Jul-2018 13:24:03 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0078311-008
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub3

Method: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2018 16:29:55 Calib Date: 25-Jul-2018 15:15:13
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900807.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: laveyt Date: 25-Jul-2018 14:10:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	99	917631	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	66	747699	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	69	416540	20.0	20.0	
165 1-Chloro-1-fluoroethane TI	47	2.215	2.226	-0.011	93	977727	80.0	81.3	
25 Acetonitrile	41	3.329	3.329	0.000	99	1541995	800.0	831.3	
36 Isopropyl ether	87	4.171	4.171	0.000	94	842560	80.0	79.4	
37 2-Chloro-1,3-butadiene	53	4.195	4.195	0.000	87	1535298	80.0	84.1	
38 Tert-butyl ethyl ether	59	4.491	4.491	0.000	96	2778668	80.0	83.4	
42 Ethyl acetate	43	4.681	4.681	0.000	97	2446844	160.0	177.3	
43 Propionitrile	54	4.681	4.681	0.000	59	1793207	800.0	958.9	
44 Methacrylonitrile	41	4.823	4.823	0.000	91	7168171	800.0	854.5	
55 Tert-amyl methyl ether	73	5.499	5.499	0.000	90	2963984	80.0	83.9	
57 n-Butanol	56	5.891	5.891	0.000	85	949589	2000.0	2211.5	
59 Ethyl acrylate	55	6.057	6.057	0.000	99	1504928	80.0	88.6	
62 Methyl methacrylate	41	6.270	6.270	0.000	91	1902368	160.0	168.6	
66 2-Nitropropane	41	6.638	6.638	0.000	95	599949	160.0	180.2	
78 n-Butyl acetate	43	7.883	7.883	0.000	99	1740666	80.0	86.8	
81 1-Chlorohexane	91	8.488	8.488	0.000	96	1419019	80.0	82.3	
90 Cyclohexanone	55	9.614	9.614	0.000	92	468992	800.0	917.7	
100 Pentachloroethane	167	10.492	10.492	0.000	88	1229564	160.0	170.5	
106 1,2,3-Trimethylbenzene	105	10.966	10.966	0.000	96	3957298	80.0	83.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 Benzyl chloride	91	11.049	11.049	0.000	97	2590360	80.0	96.7	
111 1,3,5-Trichlorobenzene	180	12.354	12.354	0.000	97	1737829	80.0	81.7	
116 2-Methylnaphthalene	142	14.619	14.619	0.000	89	6003075	160.0	201.2	

Reagents:

vm50is_stk_A_00001	Amount Added: 2.00	Units: uL
vmra9w_00259	Amount Added: 64.00	Units: uL

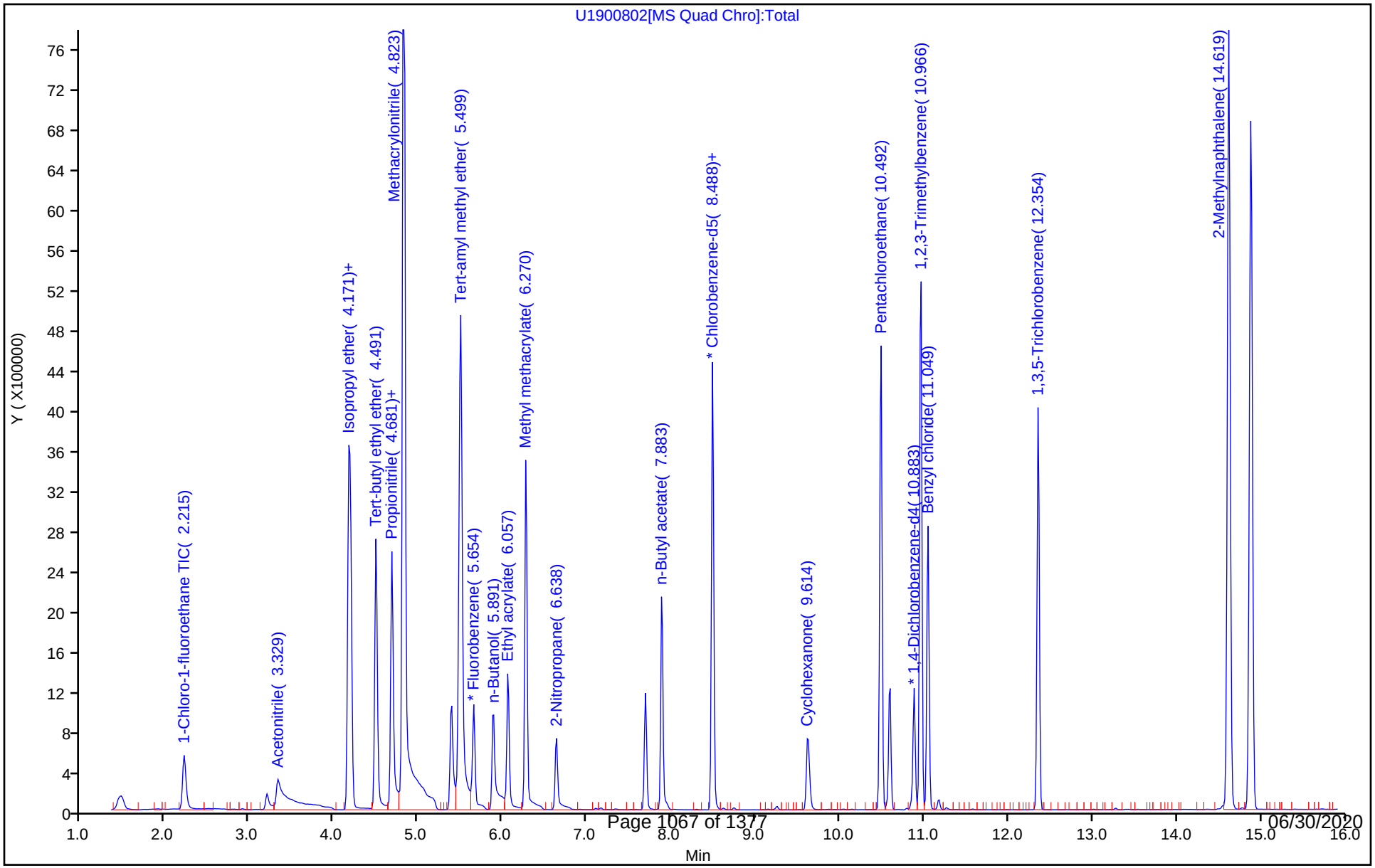
Report Date: 25-Jul-2018 16:29:56 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900802.d

Injection Date:	25-Jul-2018 13:24:03	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	stdA9 L6			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900803.d
Lims ID: stdA9 L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 25-Jul-2018 13:46:28 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0078311-009
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub3

Method: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2018 16:29:58 Calib Date: 25-Jul-2018 15:15:13
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900807.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: laveyt Date: 25-Jul-2018 14:11:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	99	903705	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	81	725276	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	74	423134	20.0	20.0	
165 1-Chloro-1-fluoroethane TI	47	2.227	2.226	0.001	94	478166	40.0	40.4	
25 Acetonitrile	41	3.329	3.329	0.000	99	710013	400.0	390.3	
36 Isopropyl ether	87	4.171	4.171	0.000	94	422081	40.0	40.4	
37 2-Chloro-1,3-butadiene	53	4.195	4.195	0.000	87	756317	40.0	42.1	
38 Tert-butyl ethyl ether	59	4.492	4.491	0.001	87	1341567	40.0	40.9	
43 Propionitrile	54	4.681	4.681	0.000	62	816037	400.0	443.1	
42 Ethyl acetate	43	4.681	4.681	0.000	97	1070993	80.0	78.8	
44 Methacrylonitrile	41	4.824	4.823	0.001	91	3414371	400.0	413.3	
55 Tert-amyl methyl ether	73	5.511	5.499	0.012	92	1407333	40.0	40.4	
57 n-Butanol	56	5.891	5.891	0.000	85	435974	1000.0	1031.0	
59 Ethyl acrylate	55	6.057	6.057	0.000	93	679802	40.0	40.6	
62 Methyl methacrylate	41	6.270	6.270	0.000	92	875995	80.0	78.8	
66 2-Nitropropane	41	6.638	6.638	0.000	96	265523	80.0	81.0	
78 n-Butyl acetate	43	7.883	7.883	0.000	99	794623	40.0	40.8	
81 1-Chlorohexane	91	8.488	8.488	0.000	96	661168	40.0	39.6	
90 Cyclohexanone	55	9.615	9.614	0.001	91	200187	400.0	403.8	
100 Pentachloroethane	167	10.492	10.492	0.000	87	585743	80.0	80.0	
106 1,2,3-Trimethylbenzene	105	10.966	10.966	0.000	94	1932917	40.0	40.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 Benzyl chloride	91	11.049	11.049	0.000	97	1205410	40.0	44.3	
111 1,3,5-Trichlorobenzene	180	12.354	12.354	0.000	97	818176	40.0	37.9	
116 2-Methylnaphthalene	142	14.619	14.619	0.000	90	2629143	80.0	86.7	

Reagents:

vm50is_stk_A_00001	Amount Added: 2.00	Units: uL
vmra9w_00259	Amount Added: 32.00	Units: uL

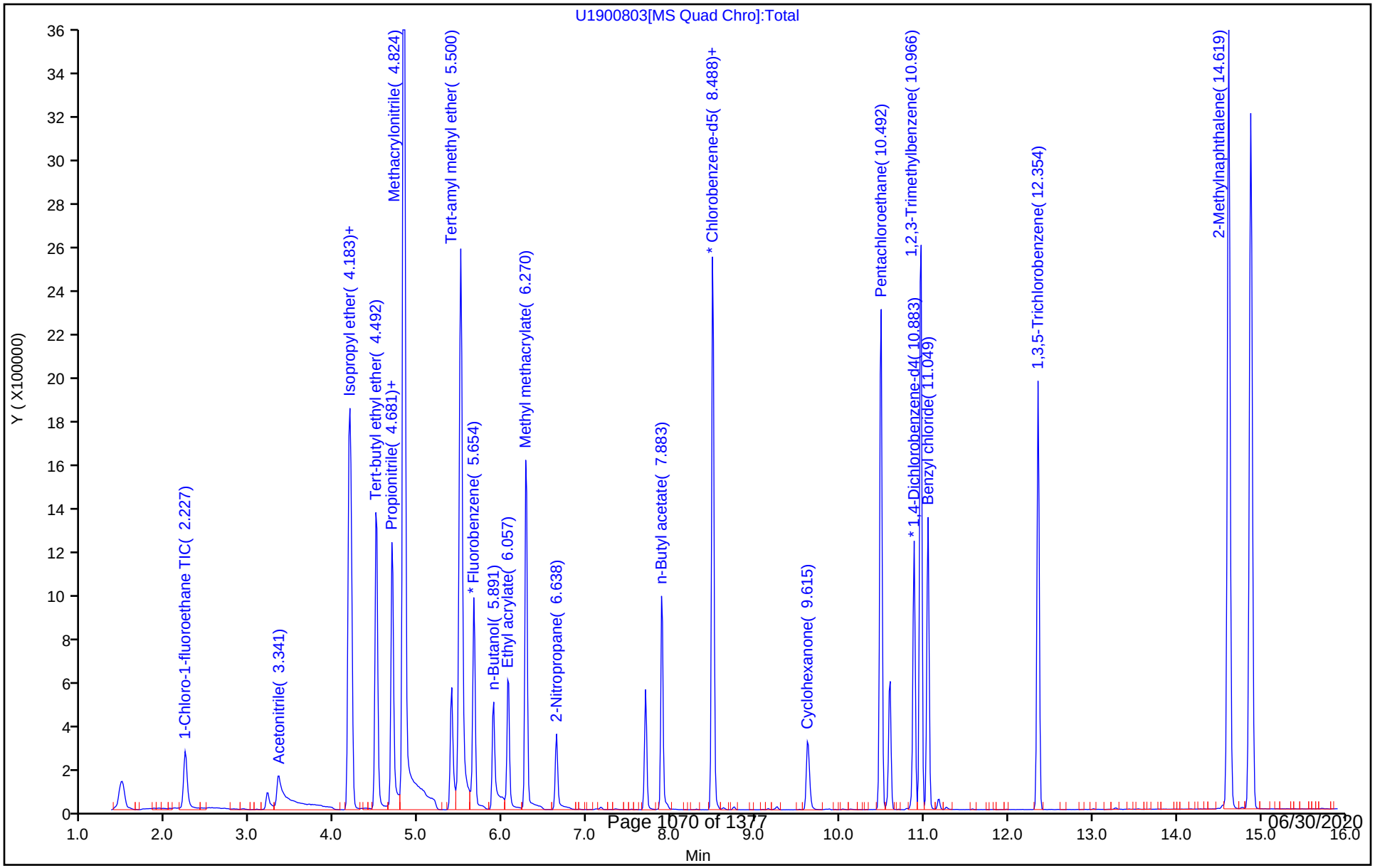
Report Date: 25-Jul-2018 16:29:59 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900803.d

Injection Date:	25-Jul-2018 13:46:28	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	stdA9 L5			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900804.d
Lims ID: stdA9 L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 25-Jul-2018 14:08:31 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0078311-010
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub3

Method: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2018 16:30:08 Calib Date: 25-Jul-2018 15:15:13
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900807.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: laveyt Date: 25-Jul-2018 14:50:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	99	901786	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	82	728980	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	83	425754	20.0	20.0	
165 1-Chloro-1-fluoroethane TI	47	2.226	2.226	0.000	93	238507	20.0	20.2	
25 Acetonitrile	41	3.329	3.329	0.000	99	344974	200.0	191.6	
36 Isopropyl ether	87	4.171	4.171	0.000	94	208654	20.0	20.0	
37 2-Chloro-1,3-butadiene	53	4.195	4.195	0.000	90	367286	20.0	20.5	
38 Tert-butyl ethyl ether	59	4.491	4.491	0.000	98	673922	20.0	20.6	
42 Ethyl acetate	43	4.681	4.681	0.000	96	528543	40.0	39.0	
43 Propionitrile	54	4.681	4.681	0.000	66	423266	200.0	230.3	
44 Methacrylonitrile	41	4.823	4.823	0.000	91	1651014	200.0	200.3	
55 Tert-amyl methyl ether	73	5.499	5.499	0.000	90	707156	20.0	20.4	
57 n-Butanol	56	5.891	5.891	0.000	85	216043	500.0	512.0	
59 Ethyl acrylate	55	6.057	6.057	0.000	92	343646	20.0	20.6	
62 Methyl methacrylate	41	6.270	6.270	0.000	92	442524	40.0	39.9	
66 2-Nitropropane	41	6.638	6.638	0.000	98	135288	40.0	41.3	
78 n-Butyl acetate	43	7.883	7.883	0.000	99	397090	20.0	20.3	
81 1-Chlorohexane	91	8.488	8.488	0.000	74	324476	20.0	19.3	
90 Cyclohexanone	55	9.614	9.614	0.000	91	99504	200.0	199.7	
100 Pentachloroethane	167	10.492	10.492	0.000	86	304359	40.0	41.3	
106 1,2,3-Trimethylbenzene	105	10.966	10.966	0.000	86	1010948	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
107 Benzyl chloride	91	11.049	11.049	0.000	97	582984	20.0	21.3	
111 1,3,5-Trichlorobenzene	180	12.354	12.354	0.000	97	426143	20.0	19.6	
116 2-Methylnaphthalene	142	14.619	14.619	0.000	89	1122673	40.0	36.8	

Reagents:

vm50is_stk_A_00001	Amount Added: 2.00	Units: uL
vmra9w_00259	Amount Added: 16.00	Units: uL

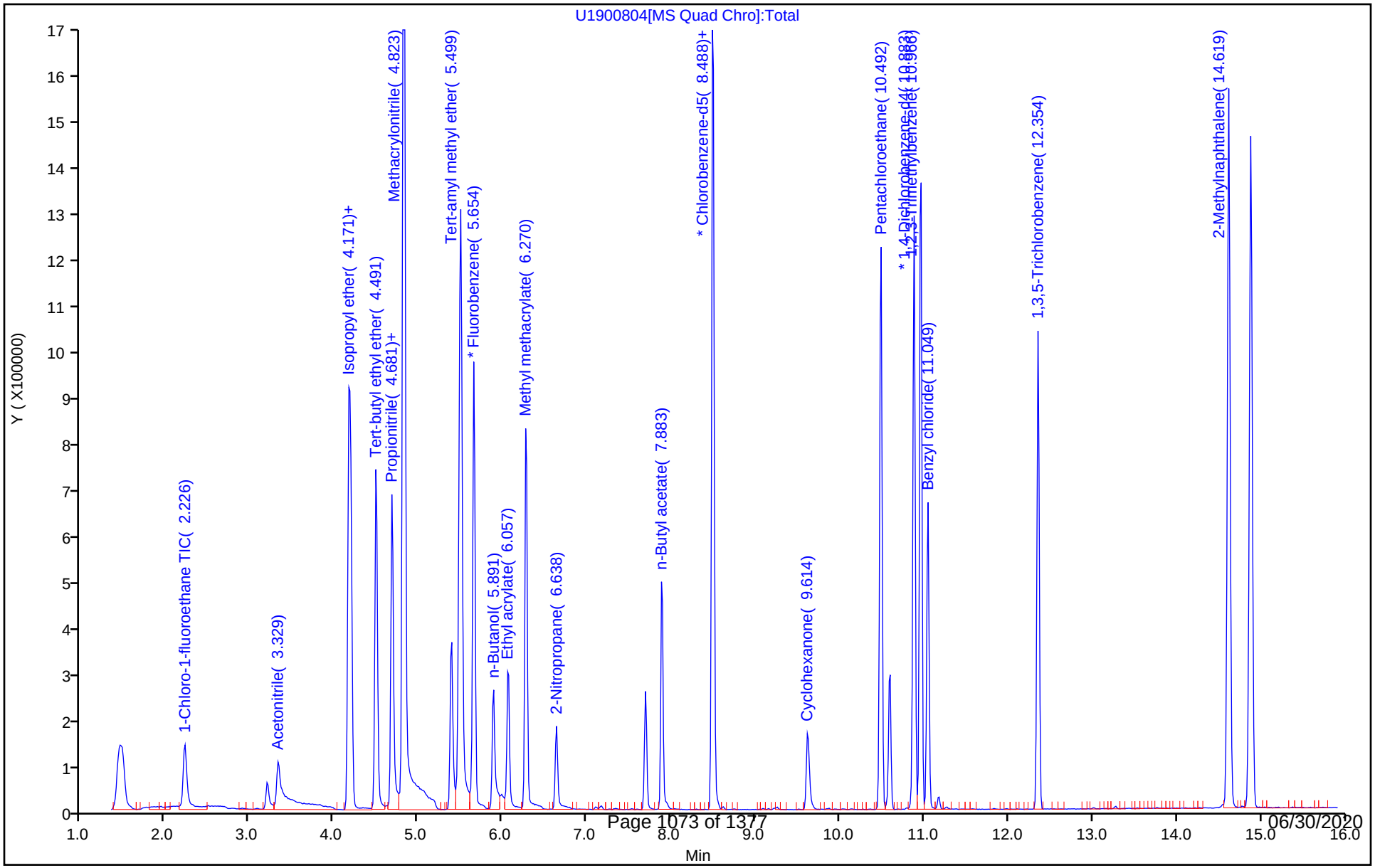
Report Date: 25-Jul-2018 16:30:10 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900804.d

Injection Date:	25-Jul-2018 14:08:31	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	stdA9 L4			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900805.d
Lims ID: stdA9 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 25-Jul-2018 14:30:45 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0078311-011
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub3

Method: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2018 16:30:13 Calib Date: 25-Jul-2018 15:15:13
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900807.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: laveyt Date: 25-Jul-2018 14:49:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	99	915400	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	82	754374	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	85	426728	20.0	20.0	
165 1-Chloro-1-fluoroethane TI	47	2.215	2.226	-0.011	93	114539	10.0	9.55	
25 Acetonitrile	41	3.329	3.329	0.000	98	154933	100.0	86.5	
36 Isopropyl ether	87	4.171	4.171	0.000	93	100050	10.0	9.45	
37 2-Chloro-1,3-butadiene	53	4.195	4.195	0.000	87	176705	10.0	9.70	
38 Tert-butyl ethyl ether	59	4.491	4.491	0.000	83	319412	10.0	9.62	
43 Propionitrile	54	4.681	4.681	0.000	52	174314	100.0	93.4	
42 Ethyl acetate	43	4.681	4.681	0.000	96	255115	20.0	18.5	
44 Methacrylonitrile	41	4.823	4.823	0.000	91	799457	100.0	95.5	
55 Tert-amyl methyl ether	73	5.499	5.499	0.000	89	337094	10.0	9.56	
57 n-Butanol	56	5.891	5.891	0.000	85	96861	250.0	226.1	
59 Ethyl acrylate	55	6.057	6.057	0.000	99	168159	10.0	9.92	
62 Methyl methacrylate	41	6.270	6.270	0.000	90	218113	20.0	19.4	
66 2-Nitropropane	41	6.638	6.638	0.000	96	62364	20.0	18.8	
78 n-Butyl acetate	43	7.883	7.883	0.000	99	199107	10.0	9.84	
81 1-Chlorohexane	91	8.488	8.488	0.000	54	162266	10.0	9.33	
90 Cyclohexanone	55	9.614	9.614	0.000	90	47625	100.0	92.4	
100 Pentachloroethane	167	10.492	10.492	0.000	86	154980	20.0	21.0	
106 1,2,3-Trimethylbenzene	105	10.966	10.966	0.000	72	471355	10.0	9.71	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 Benzyl chloride	91	11.049	11.049	0.000	97	252607	10.0	9.20	
111 1,3,5-Trichlorobenzene	180	12.354	12.354	0.000	97	201583	10.0	9.25	
116 2-Methylnaphthalene	142	14.619	14.619	0.000	90	535247	20.0	17.5	

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmra9w_00259	Amount Added:	8.00	Units: uL

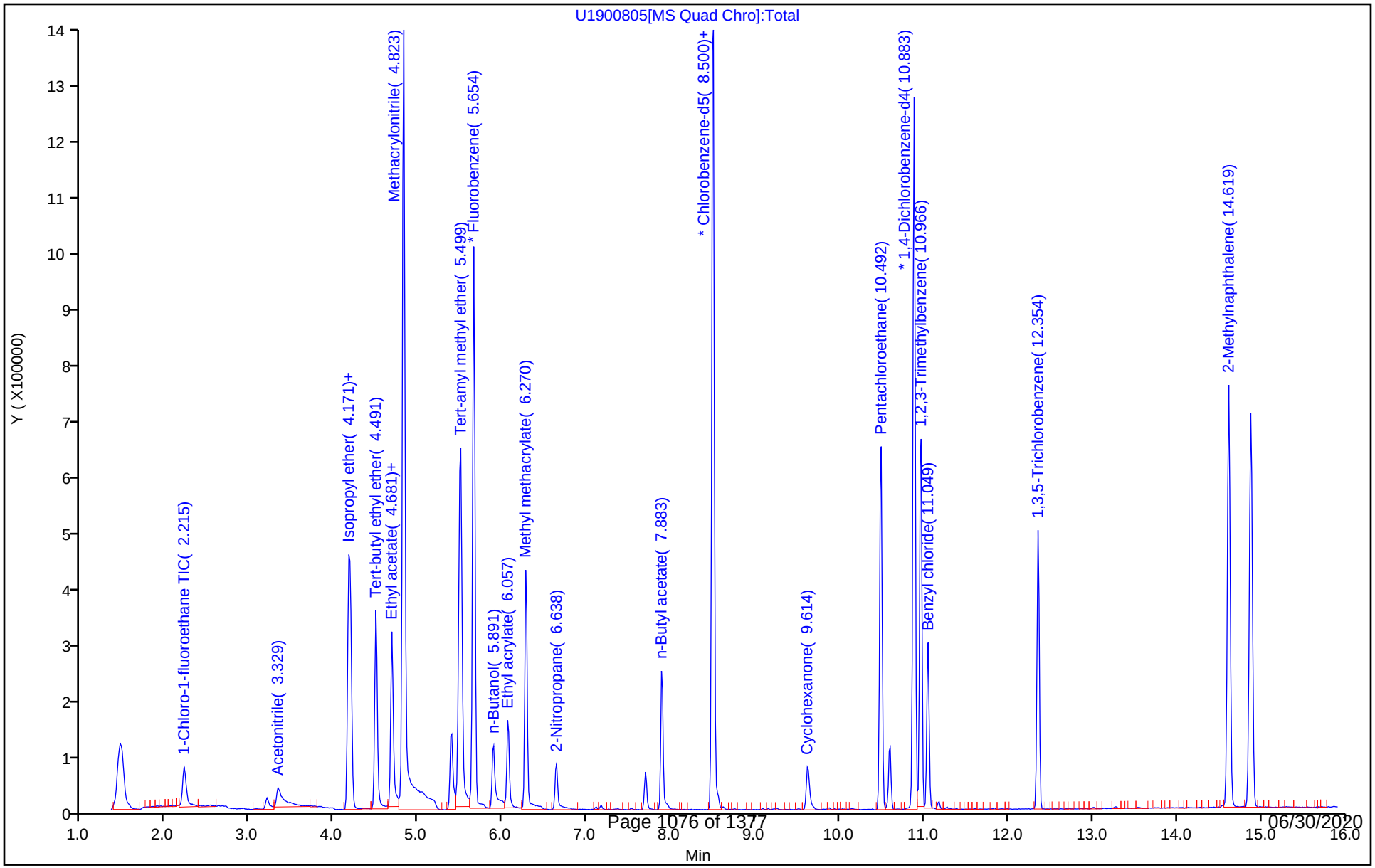
Report Date: 25-Jul-2018 16:30:14 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900805.d

Injection Date:	25-Jul-2018 14:30:45	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	stdA9 L3			Worklist Smp#:	11
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900806.d
Lims ID: stdA9 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 25-Jul-2018 14:52:59 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0078311-012
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub3

Method: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2018 16:30:17 Calib Date: 25-Jul-2018 15:15:13
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900807.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: laveyt Date: 25-Jul-2018 15:15:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	99	900144	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	82	710298	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	92	416233	20.0	20.0	
165 1-Chloro-1-fluoroethane TI	47	2.227	2.226	0.001	86	11883	1.00	1.01	
25 Acetonitrile	41	3.341	3.329	0.012	88	10939	10.0	9.01	
36 Isopropyl ether	87	4.183	4.171	0.012	93	10198	1.00	0.9798	
37 2-Chloro-1,3-butadiene	53	4.195	4.195	0.000	82	15609	1.00	0.8717	
38 Tert-butyl ethyl ether	59	4.503	4.491	0.012	96	32026	1.00	0.9804	
42 Ethyl acetate	43	4.693	4.681	0.012	95	26280	2.00	1.94	
43 Propionitrile	54	4.693	4.681	0.012	62	15532	10.0	8.47	
44 Methacrylonitrile	41	4.824	4.823	0.001	92	82133	10.0	9.98	
55 Tert-amyl methyl ether	73	5.511	5.499	0.012	88	35001	1.00	1.01	
57 n-Butanol	56	5.891	5.891	0.000	65	9875	25.0	23.4	
59 Ethyl acrylate	55	6.069	6.057	0.012	85	15158	1.00	0.9096	
62 Methyl methacrylate	41	6.270	6.270	0.000	88	20747	2.00	1.87	
66 2-Nitropropane	41	6.638	6.638	0.000	82	6028	2.00	1.85	
78 n-Butyl acetate	43	7.883	7.883	0.000	90	17906	1.00	0.9399	
81 1-Chlorohexane	91	8.488	8.488	0.000	33	15739	1.00	0.9613	
90 Cyclohexanone	55	9.614	9.614	0.000	63	4617	10.0	9.51	
100 Pentachloroethane	167	10.492	10.492	0.000	76	12769	2.00	1.77	
106 1,2,3-Trimethylbenzene	105	10.966	10.966	0.000	67	47067	1.00	0.99	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 Benzyl chloride	91	11.049	11.049	0.000	84	23829	1.00	0.8901	
111 1,3,5-Trichlorobenzene	180	12.354	12.354	0.000	91	23051	1.00	1.08	
116 2-Methylnaphthalene	142	14.619	14.619	0.000	90	56979	2.00	1.91	

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmra9w_00259	Amount Added:	0.80	Units: uL

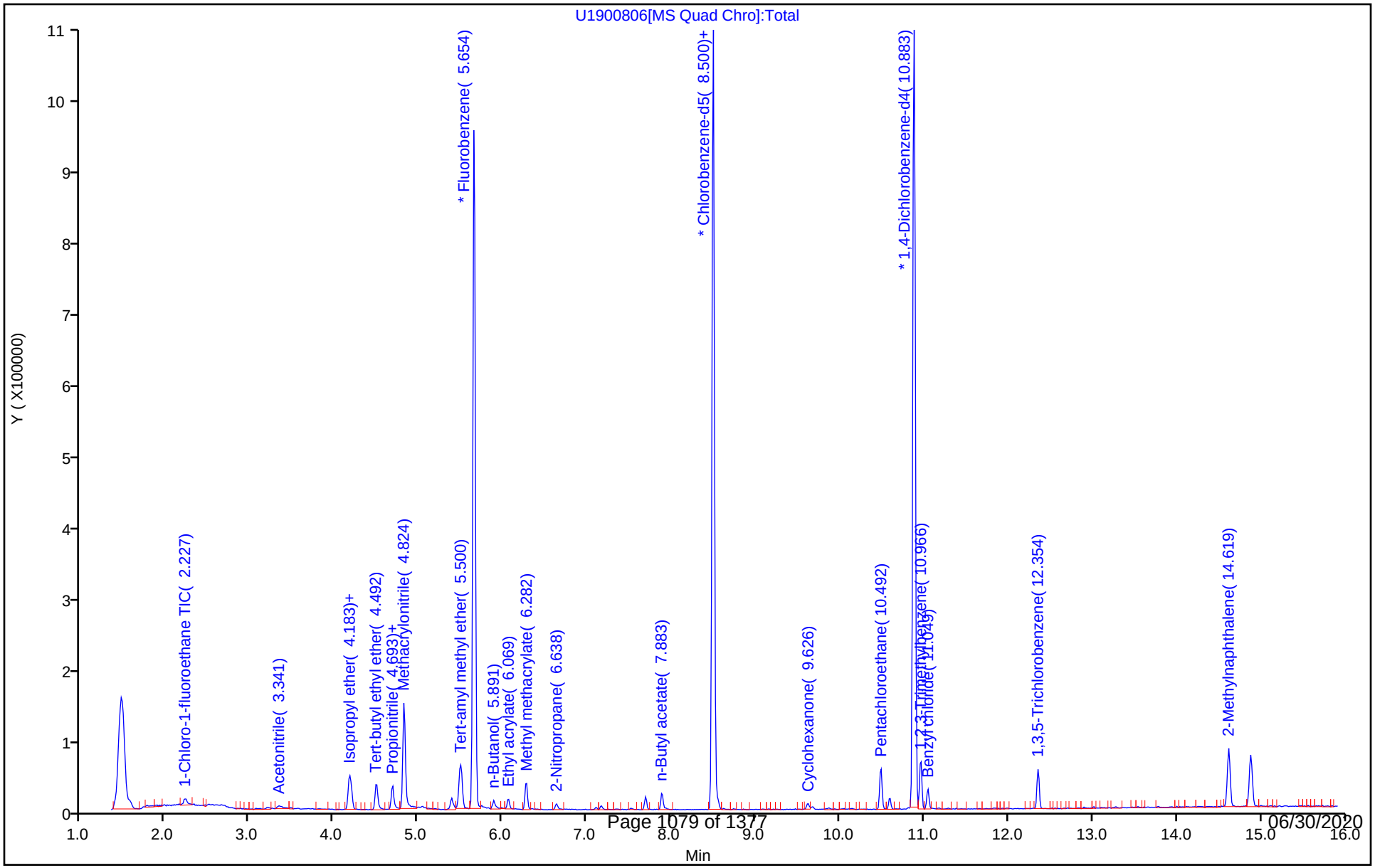
Report Date: 25-Jul-2018 16:30:18 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900806.d

Injection Date:	25-Jul-2018 14:52:59	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	stdA9 L2			Worklist Smp#:	12
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900807.d
Lims ID: stdA9 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 25-Jul-2018 15:15:13 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0078311-013
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub3

Method: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2018 16:30:24 Calib Date: 25-Jul-2018 15:15:13
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900807.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: laveyt Date: 25-Jul-2018 15:46:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	99	908077	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	84	753378	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	92	428059	20.0	20.0	
165 1-Chloro-1-fluoroethane TI	47	2.226	2.226	0.000	78	5953	0.5000	0.5005	
25 Acetonitrile	41	3.341	3.329	0.012	88	6053	5.00	6.31	
36 Isopropyl ether	87	4.171	4.171	0.000	86	5629	0.5000	0.5361	
37 2-Chloro-1,3-butadiene	53	4.195	4.195	0.000	71	9314	0.5000	0.5156	
38 Tert-butyl ethyl ether	59	4.491	4.491	0.000	92	15860	0.5000	0.4813	
43 Propionitrile	54	4.681	4.681	0.000	58	7042	5.00	3.81	
42 Ethyl acetate	43	4.681	4.681	0.000	90	14128	1.00	1.03	
44 Methacrylonitrile	41	4.823	4.823	0.000	89	39164	5.00	4.72	
55 Tert-amyl methyl ether	73	5.511	5.499	0.012	90	16704	0.5000	0.4778	
57 n-Butanol	56	5.891	5.891	0.000	79	5296	12.5	12.5	
59 Ethyl acrylate	55	6.069	6.057	0.012	84	7952	0.5000	0.4730	
62 Methyl methacrylate	41	6.270	6.270	0.000	84	11793	1.00	1.06	
66 2-Nitropropane	41	6.638	6.638	0.000	74	3185	1.00	0.9666	
78 n-Butyl acetate	43	7.895	7.883	0.012	86	9641	0.5000	0.4771	
81 1-Chlorohexane	91	8.488	8.488	0.000	32	9741	0.5000	0.5610	
90 Cyclohexanone	55	9.626	9.614	0.012	50	2498	5.00	4.85	
100 Pentachloroethane	167	10.492	10.492	0.000	68	7164	1.00	0.9669	
106 1,2,3-Trimethylbenzene	105	10.966	10.966	0.000	62	23009	0.5000	0.4724	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 Benzyl chloride	91	11.049	11.049	0.000	72	11135	0.5000	0.4045	
111 1,3,5-Trichlorobenzene	180	12.354	12.354	0.000	67	11406	0.5000	0.5217	
116 2-Methylnaphthalene	142	14.619	14.619	0.000	81	27811	1.00	0.9070	

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmra9w_00259	Amount Added:	0.40	Units: uL

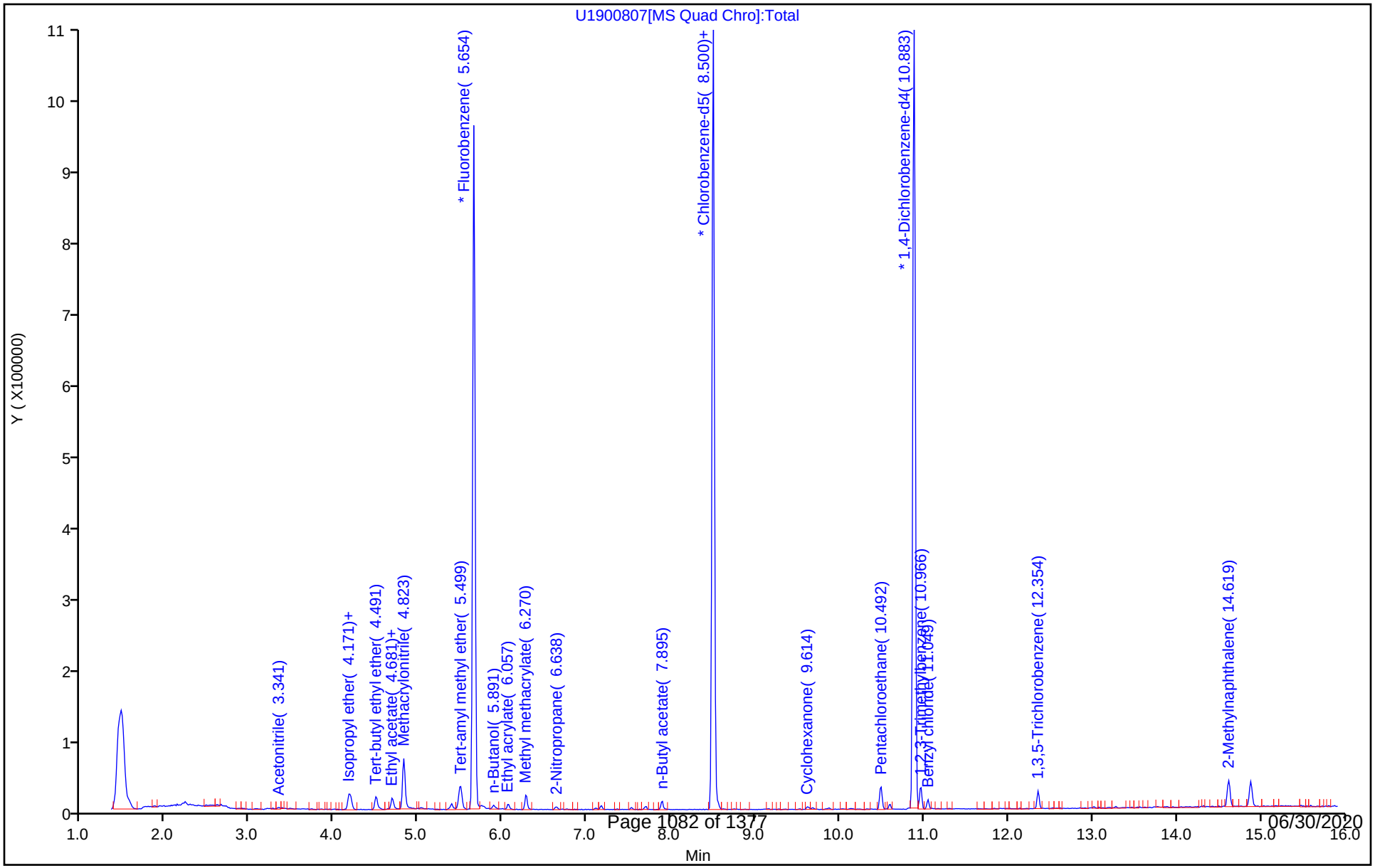
Report Date: 25-Jul-2018 16:30:25 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900807.d

Injection Date:	25-Jul-2018 15:15:13	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	stdA9 L1			Worklist Smp#:	13
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-342719/13	U1901329.d
Level 2	STD8260 240-342719/12	U1901328.d
Level 3	STD8260 240-342719/11	U1901327.d
Level 4	ICIS 240-342719/10	U1901326.d
Level 5	STD8260 240-342719/9	U1901325.d
Level 6	STD8260 240-342719/8	U1901324.d
Level 7	STD8260 240-342719/7	U1901323.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3252 0.4073	0.3858 0.4041	0.3902	0.3772	0.4052	Ave		0.3850			0.1000	7.5		20.0			
Chloromethane	0.3476 0.2860	0.2731 0.2757	0.2817	0.2748	0.2796	Ave		0.2883			0.1000	9.2		20.0			
Butadiene	0.2863 0.2923	0.2971 0.2827	0.2967	0.2831	0.2826	Ave		0.2887				2.3		20.0			
Vinyl chloride	0.2799 0.3039	0.3000 0.2955	0.3102	0.2950	0.3013	Ave		0.2980			0.1000	3.2		20.0			
Bromomethane	0.2530 0.2308	0.2391 0.2251	0.2340	0.2259	0.2264	Ave		0.2335			0.0500	4.3		20.0			
Chloroethane	0.2052 0.1842	0.1766 0.1812	0.1882	0.1779	0.1807	Ave		0.1848			0.0500	5.3		20.0			
Dichlorofluoromethane	0.4944 0.4514	0.4567 0.4411	0.4677	0.4468	0.4490	Ave		0.4581				3.9		20.0			
Trichlorofluoromethane	0.4941 0.5030	0.4893 0.4931	0.5122	0.4967	0.5003	Ave		0.4984			0.1000	1.5		20.0			
Ethyl ether	0.1731 0.1798	0.1898 0.1760	0.1849	0.1771	0.1791	Ave		0.1800				3.1		20.0			
Acrolein	0.0495 0.0430	0.0446 0.0441	0.0420	0.0454	0.0427	Ave		0.0445				5.6		20.0			
1,1-Dichloroethene	0.3476 0.3661	0.3473 0.3597	0.3727	0.3582	0.3610	Ave		0.3589			0.1000	2.6		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.2493 0.2658	0.2366 0.2616	0.2651	0.2563	0.2622	Ave		0.2567			0.0500	4.1		20.0			
Acetone	+++++ 0.0747	0.0941 0.0735	0.0766	0.0752	0.0764	Ave		0.0784			0.0100	9.9		20.0			
Iodomethane	0.4872 0.4597	0.4730 0.4538	0.4730	0.4575	0.4539	Ave		0.4655				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, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

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								
Carbon disulfide	0.8746 0.7168	0.8257 0.7023	0.7362	0.7031	0.7015	Ave		0.7515			0.1000	9.3		20.0			
3-Chloro-1-propene	0.3735 0.3489	0.3837 0.3396	0.3586	0.3361	0.3385	Ave		0.3541				5.3		20.0			
Methyl acetate	0.2638 0.2201	0.2366 0.2157	0.2398	0.2267	0.2267	Ave		0.2328			0.1000	6.9		20.0			
Methylene Chloride	+++++ 0.2751	0.3184 0.2694	0.2925	0.2792	0.2733	Ave		0.2846			0.1000	6.5		20.0			
tert-Butyl alcohol	0.0302 0.0245	0.0277 0.0251	0.0284	0.0260	0.0277	Ave		0.0271				7.4		20.0			
Acrylonitrile	0.1006 0.0983	0.1046 0.0951	0.1079	0.0977	0.0997	Ave		0.1006				4.3		20.0			
trans-1,2-Dichloroethene	0.3568 0.3338	0.3540 0.3216	0.3508	0.3269	0.3267	Ave		0.3387			0.1000	4.4		20.0			
Methyl tert-butyl ether	0.6459 0.7174	0.6970 0.7172	0.7178	0.6715	0.6899	Ave		0.6938			0.1000	3.9		20.0			
Hexane	0.3287 0.3643	0.3216 0.3693	0.3652	0.3577	0.3600	Ave		0.3524				5.4		20.0			
1,1-Dichloroethane	0.3877 0.4112	0.4141 0.3990	0.4182	0.3989	0.4043	Ave		0.4048			0.2000	2.6		20.0			
Vinyl acetate	0.4652 0.4557	0.4582 0.4625	0.4853	0.4584	0.4619	Ave		0.4639				2.1		20.0			
cis-1,2-Dichloroethene	0.3057 0.2869	0.2992 0.2782	0.2948	0.2801	0.2786	Ave		0.2891			0.1000	3.8		20.0			
2,2-Dichloropropane	0.2469 0.2502	0.2497 0.2458	0.2443	0.2181	0.2515	Ave		0.2438				4.8		20.0			
2-Butanone	0.0487 0.0444	0.0481 0.0466	0.0506	0.0457	0.0465	Ave		0.0472			0.0100	4.3		20.0			
Bromochloromethane	0.2347 0.1831	0.2161 0.1713	0.1973	0.1804	0.1790	Ave		0.1945				11.9		20.0			
Tetrahydrofuran	+++++ 0.0978	0.2111 0.0981	0.1202	0.1027	0.1037	Lin1	0.2460	0.0976				7.4			0.9990		0.9900
Chloroform	0.4336 0.4423	0.4430 0.4326	0.4702	0.4398	0.4415	Ave		0.4433			0.2000	2.8		20.0			
1,1,1-Trichloroethane	0.3739 0.4296	0.4106 0.4262	0.4442	0.4096	0.4275	Ave		0.4174			0.1000	5.4		20.0			
Cyclohexane	0.3499 0.3999	0.3515 0.3986	0.3944	0.3825	0.3967	Ave		0.3819			0.1000	5.8		20.0			
1,1-Dichloropropene	0.3411 0.3565	0.3509 0.3499	0.3664	0.3469	0.3516	Ave		0.3519				2.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

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								
Carbon tetrachloride	0.3818 0.4136	0.3781 0.4121	0.4219	0.3956	0.4130	Ave		0.4023			0.1000	4.3		20.0			
Isobutyl alcohol	0.0122 0.0101	0.0118 0.0103	0.0107	0.0108	0.0111	Ave		0.0110				7.0		20.0			
Benzene	0.9270 0.9480	0.9546 0.9366	1.0106	0.9431	0.9423	Ave		0.9518			0.5000	2.9		20.0			
1,2-Dichloroethane	0.3794 0.3459	0.3845 0.3369	0.3743	0.3513	0.3479	Ave		0.3600			0.1000	5.2		20.0			
n-Heptane	+++++ 0.1978	0.8214 0.1912	0.2589	0.2169	0.2053	Lin1	0.6437	0.1861				3.4			1.0000		0.9900
Trichloroethene	0.3334 0.3137	0.3081 0.3106	0.3277	0.3076	0.3109	Ave		0.3160			0.1500	3.3		20.0			
Methylcyclohexane	0.4282 0.4825	0.4267 0.4698	0.4724	0.4580	0.4751	Ave		0.4590			0.1000	5.0		20.0			
1,2-Dichloropropane	0.2171 0.2187	0.2141 0.2164	0.2362	0.2209	0.2218	Ave		0.2208			0.1000	3.3		20.0			
Dibromomethane	0.2410 0.2204	0.2408 0.2155	0.2336	0.2191	0.2191	Ave		0.2271				4.9		20.0			
1,4-Dioxane	+++++ 0.0025	0.0016 0.0027	0.0021	0.0026	0.0028	Ave		0.0024				17.9		20.0			
Bromodichloromethane	0.3399 0.3440	0.3630 0.3379	0.3620	0.3462	0.3426	Ave		0.3479			0.1500	3.0		20.0			
2-Chloroethyl vinyl ether	0.1593 0.1741	0.1654 0.1828	0.1943	0.1818	0.1815	Ave		0.1770				6.6		20.0			
cis-1,3-Dichloropropene	0.3743 0.3841	0.3867 0.3870	0.4032	0.3827	0.3872	Ave		0.3865			0.1500	2.2		20.0			
4-Methyl-2-pentanone	0.3150 0.3064	0.3110 0.3144	0.3487	0.3229	0.3240	Ave		0.3203			0.0500	4.4		20.0			
Toluene	1.3762 1.3312	1.3706 1.3223	1.4018	1.3282	1.3309	Ave		1.3516			0.4000	2.3		20.0			
trans-1,3-Dichloropropene	0.4999 0.4712	0.5033 0.4805	0.4835	0.4641	0.4704	Ave		0.4818			0.1000	3.1		20.0			
Ethyl methacrylate	0.3824 0.4408	0.4001 0.4600	0.4577	0.4462	0.4540	Ave		0.4344				7.1		20.0			
1,1,2-Trichloroethane	0.2808 0.2823	0.2821 0.2821	0.2973	0.2798	0.2847	Ave		0.2842			0.1000	2.1		20.0			
Tetrachloroethene	0.4234 0.4375	0.4194 0.4317	0.4508	0.4248	0.4314	Ave		0.4313			0.1500	2.4		20.0			
1,3-Dichloropropane	0.4988 0.4724	0.4733 0.4772	0.5009	0.4686	0.4705	Ave		0.4802				2.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.2781 0.3092	0.3020 0.3219	0.3438	0.3247	0.3245	Ave		0.3149			0.0500	6.6		20.0			
Dibromochloromethane	0.3308 0.3663	0.3497 0.3646	0.3736	0.3604	0.3630	Ave		0.3583				3.9		20.0			
1,2-Dibromoethane	0.3770 0.3214	0.3321 0.3219	0.3422	0.3286	0.3194	Ave		0.3346				6.1		20.0			
Chlorobenzene	0.9370 0.9055	0.9832 0.8914	0.9544	0.9002	0.9056	Ave		0.9253			0.3000	3.7		20.0			
1,1,1,2-Tetrachloroethane	0.3225 0.3380	0.3313 0.3315	0.3490	0.3282	0.3347	Ave		0.3336				2.5		20.0			
Ethylbenzene	0.4566 0.4899	0.4640 0.4838	0.5159	0.4863	0.4886	Ave		0.4836				4.0		20.0			
m-Xylene & p-Xylene	0.5709 0.5980	0.5535 0.5943	0.6142	0.5959	0.5965	Ave		0.5890				3.4		20.0			
o-Xylene	0.5188 0.5706	0.5578 0.5579	0.5806	0.5638	0.5683	Ave		0.5597				3.5		20.0			
Styrene	0.8915 0.9829	0.9056 0.9730	1.0088	0.9699	0.9794	Ave		0.9588			0.3000	4.5		20.0			
Bromoform	0.2892 0.2933	0.2907 0.2979	0.3020	0.2847	0.2951	Ave		0.2933			0.1000	2.0		20.0			
Isopropylbenzene	1.3694 1.5447	1.4922 1.4942	1.5808	1.5060	1.5314	Ave		1.5027			0.1000	4.4		20.0			
1,1,2,2-Tetrachloroethane	0.7123 0.7674	0.7872 0.7661	0.8261	0.7624	0.7730	Ave		0.7706			0.3000	4.4		20.0			
Bromobenzene	0.7562 0.7639	0.7920 0.7473	0.8125	0.7532	0.7575	Ave		0.7690				3.1		20.0			
1,2,3-Trichloropropane	0.2805 0.2866	0.2903 0.2882	0.3178	0.2884	0.2929	Ave		0.2921				4.1		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2667	0.2763 0.2751	0.2902	0.2665	0.2675	Ave		0.2737				3.3		20.0			
n-Propylbenzene	0.7009 0.7973	0.7492 0.7772	0.8251	0.7710	0.7894	Ave		0.7729				5.1		20.0			
2-Chlorotoluene	0.6131 0.6732	0.6212 0.6509	0.7079	0.6539	0.6587	Ave		0.6541				4.9		20.0			
1,3,5-Trimethylbenzene	2.1099 2.2883	2.1099 2.2183	2.3988	2.1936	2.2594	Ave		2.2255				4.6		20.0			
4-Chlorotoluene	0.7307 0.7048	0.6944 0.6840	0.7470	0.7010	0.6888	Ave		0.7072				3.3		20.0			
tert-Butylbenzene	1.9093 2.2037	2.0260 2.1009	2.2785	2.0983	2.1715	Ave		2.1126				5.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.0996 2.3002	2.2590 2.2368	2.3762	2.2406	2.2826	Ave		2.2564				3.7		20.0			
sec-Butylbenzene	2.5921 3.0046	2.6994 2.8685	2.9965	2.8235	2.9285	Ave		2.8447				5.4		20.0			
1,3-Dichlorobenzene	1.4791 1.3933	1.5035 1.3394	1.4385	1.3676	1.3647	Ave		1.4123			0.6000	4.4		20.0			
p-Isopropyltoluene	2.2955 2.5970	2.3910 2.5362	2.6099	2.4625	2.5496	Ave		2.4917				4.6		20.0			
1,4-Dichlorobenzene	1.6054 1.4113	1.5675 1.3669	1.4816	1.3825	1.3984	Ave		1.4591			0.5000	6.5		20.0			
n-Butylbenzene	1.8944 2.1259	2.0232 2.0712	2.1091	2.0276	2.0953	Ave		2.0495				3.8		20.0			
1,2-Dichlorobenzene	1.3437 1.2534	1.3687 1.2318	1.3105	1.2348	1.2330	Ave		1.2823			0.4000	4.5		20.0			
1,2-Dibromo-3-Chloropropane	0.2630 0.2491	0.2219 0.2547	0.2430	0.2371	0.2465	Ave		0.2450			0.0500	5.4		20.0			
1,2,4-Trichlorobenzene	0.9409 0.8412	0.9494 0.8737	0.8099	0.7792	0.7909	Ave		0.8550			0.2000	8.1		20.0			
Hexachlorobutadiene	0.4751 0.4459	0.4859 0.4196	0.4201	0.4076	0.4202	Ave		0.4392				7.0		20.0			
Naphthalene	+++++ 2.4081	2.5248 2.5673	2.2519	2.1428	2.2829	Ave		2.3630				7.0		20.0			
1,2,3-Trichlorobenzene	0.7893 0.7724	0.8277 0.8517	0.7383	0.6846	0.7103	Ave		0.7677				7.9		20.0			
Dibromofluoromethane (Surr)	0.2950 0.2630	0.2820 0.2531	0.2707	0.2587	0.2619	Ave		0.2692				5.5		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3515 0.2903	0.3408 0.2779	0.3137	0.2940	0.2963	Ave		0.3092				8.9		20.0			
Toluene-d8 (Surr)	1.2799 1.1805	1.2018 1.1653	1.2236	1.1594	1.1844	Ave		1.1993				3.5		20.0			
4-Bromofluorobenzene (Surr)	0.5295 0.4325	0.4716 0.4172	0.4467	0.4309	0.4307	Ave		0.4513				8.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-342719/13	U1901329.d
Level 2	STD8260 240-342719/12	U1901328.d
Level 3	STD8260 240-342719/11	U1901327.d
Level 4	ICIS 240-342719/10	U1901326.d
Level 5	STD8260 240-342719/9	U1901325.d
Level 6	STD8260 240-342719/8	U1901324.d
Level 7	STD8260 240-342719/7	U1901323.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	7625 1180992	18328 1552738	186223	366772	792590	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloromethane	FB	Ave	8152 829233	12972 1059365	134420	267203	546909	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Butadiene	FB	Ave	6713 847603	14115 1086231	141609	275330	552757	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl chloride	FB	Ave	6564 881108	14250 1135494	148037	286894	589426	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromomethane	FB	Ave	5934 669257	11360 864872	111689	219651	442826	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Chloroethane	FB	Ave	4812 533953	8387 696179	89838	172968	353502	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dichlorofluoromethane	FB	Ave	11593 1308784	21694 1694878	223205	434465	878380	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Trichlorofluoromethane	FB	Ave	11587 1458414	23241 1894654	244417	483006	978643	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl ether	FB	Ave	4060 521372	9015 676475	88252	172224	350377	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acrolein	FB	Ave	5804 622965	10600 846753	100203	220720	417769	2.50 300	5.00 400	50.0	100	200
1,1-Dichloroethene	FB	Ave	8152 1061526	16498 1382045	177882	348307	706289	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	5847 770733	11240 1005400	126531	249289	512861	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Acetone	FB	Ave	+++++ 433055	8941 564923	73077	146204	298968	+++++ 120	2.00 160	20.0	40.0	80.0
Iodomethane	FB	Ave	11424 1332936	22471 1743886	225726	444884	888035	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon disulfide	FB	Ave	20511 2078244	39223 2698750	351356	683722	1372316	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

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
3-Chloro-1-propene	FB	Ave	8759 1011692	18227 1304832	171118	326833	662138	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methyl acetate	FB	Ave	12374 1276471	22480 1658043	228841	440913	886871	1.00 120	2.00 160	20.0	40.0	80.0
Methylene Chloride	FB	Ave	+++++ 797526	15126 1035294	139613	271471	534613	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butyl alcohol	FB	Ave	7089 709594	13140 963916	135517	252801	542388	5.00 600	10.0 800	100	200	400
Acrylonitrile	FB	Ave	23600 2849701	49680 3654042	514757	950386	1951040	5.00 600	10.0 800	100	200	400
trans-1,2-Dichloroethene	FB	Ave	8368 967924	16818 1235776	167419	317885	639131	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methyl tert-butyl ether	FB	Ave	15146 2079947	33109 2755910	342568	653045	1349603	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexane	FB	Ave	7709 1056328	15276 1419117	174299	347875	704185	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloroethane	FB	Ave	9092 1192355	19673 1533220	199597	387941	790957	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Vinyl acetate	FB	Ave	10910 1321142	21765 1777280	231586	445770	903595	0.500 60.0	1.00 80.0	10.0	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	7168 831715	14212 1069027	140685	272438	545012	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2,2-Dichloropropane	FB	Ave	5791 725393	11860 944363	116583	212094	491954	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Butanone	FB	Ave	2283 257675	4567 358198	48290	88909	181887	1.00 120	2.00 160	20.0	40.0	80.0
Bromochloromethane	FB	Ave	5503 530825	10266 658069	94139	175479	350082	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrahydrofuran	FB	Lin1	+++++ 566965	20056 753652	114720	199816	405539	+++++ 120	2.00 160	20.0	40.0	80.0
Chloroform	FB	Ave	10169 1282514	21044 1662428	224371	427697	863672	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1-Trichloroethane	FB	Ave	8767 1245609	19503 1637723	211997	398309	836381	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Cyclohexane	FB	Ave	8206 1159393	16696 1531667	188221	372006	776128	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1-Dichloropropene	FB	Ave	7998 1033663	16667 1344377	174842	337392	687882	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Carbon tetrachloride	FB	Ave	8954 1199313	17959 1583649	201366	384700	807965	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isobutyl alcohol	FB	Ave	7140 731439	14010 985172	127213	263438	540692	12.5 1500	25.0 2000	250	500	1000

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

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
Benzene	FB	Ave	21738 2748682	45349 3599104	482300	917150	1843426	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane	FB	Ave	8896 1002994	18266 1294416	178638	341638	680627	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Heptane	FB	Lin1	+++++ 573367	39021 734621	123554	210893	401639	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
Trichloroethene	FB	Ave	7819 909646	14636 1193487	156409	299123	608172	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	10042 1399000	20268 1805108	225444	445411	929492	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloropropane	FB	Ave	5092 634222	10172 831616	112735	214790	433884	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromomethane	FB	Ave	5652 638964	11437 828119	111478	213090	428543	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,4-Dioxane	FB	Ave	+++++ 147508	1560 204613	20257	50489	108387	+++++ 1200	20.0 1600	200	400	800
Bromodichloromethane	FB	Ave	7972 997303	17242 1298324	172767	336655	670319	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chloroethyl vinyl ether	FB	Ave	7473 1009556	15714 1404589	185460	353595	710198	1.00 120	2.00 160	20.0	40.0	80.0
cis-1,3-Dichloropropene	FB	Ave	8778 1113655	18371 1486992	192411	372198	757475	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Methyl-2-pentanone	FB	Ave	14774 1776570	29549 2416341	332777	627983	1267570	1.00 120	2.00 160	20.0	40.0	80.0
Toluene	CBNZ d5	Ave	25413 3039879	50838 4036837	544474	1040131	2085055	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	9232 1076004	18668 1466824	187797	363416	737016	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl methacrylate	CBNZ d5	Ave	7062 1006534	14839 1404401	177753	349427	711262	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2-Trichloroethane	CBNZ d5	Ave	5186 644677	10462 861140	115489	219105	445968	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Tetrachloroethene	CBNZ d5	Ave	7818 999011	15556 1317893	175104	332664	675866	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichloropropane	CBNZ d5	Ave	9211 1078694	17554 1456758	194537	366944	737142	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Hexanone	CBNZ d5	Ave	10272 1411899	22402 1965782	267096	508487	1016835	1.00 120	2.00 160	20.0	40.0	80.0
Dibromochloromethane	CBNZ d5	Ave	6108 836499	12969 1113195	145120	282195	568645	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromoethane	CBNZ d5	Ave	6962 733806	12317 982631	132926	257341	500324	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

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
Chlorobenzene	CBNZ d5	Ave	17303 2067581	36469 2721351	370702	704913	1418747	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5956 771705	12290 1012040	135561	257026	524311	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethylbenzene	CBNZ d5	Ave	8431 1118678	17209 1476959	200390	380861	765441	0.500 60.0	1.00 80.0	10.0	20.0	40.0
m-Xylene & p-Xylene	CBNZ d5	Ave	10542 1365436	20530 1814431	238543	466651	934583	0.500 60.0	1.00 80.0	10.0	20.0	40.0
o-Xylene	CBNZ d5	Ave	9580 1302937	20689 1703380	225509	441487	890297	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Styrene	CBNZ d5	Ave	16463 2244503	33591 2970527	391834	759556	1534422	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromoform	CBNZ d5	Ave	5340 669771	10783 909465	117306	222929	462320	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Isopropylbenzene	CBNZ d5	Ave	25288 3527221	55346 4561888	613985	1179370	2399226	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	7218 951258	16261 1271933	172140	328526	660294	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Bromobenzene	DCBd 4	Ave	7663 946835	16361 1240722	169316	324573	647055	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichloropropane	DCBd 4	Ave	2842 355186	5997 478494	66218	124262	250203	0.500 60.0	1.00 80.0	10.0	20.0	40.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 330637	5707 456736	60466	114842	228469	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
n-Propylbenzene	DCBd 4	Ave	7103 988262	15476 1290307	171938	332244	674293	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chlorotoluene	DCBd 4	Ave	6213 834423	12831 1080636	147510	281753	562614	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	21381 2836427	43584 3682951	499875	945225	1929863	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Chlorotoluene	DCBd 4	Ave	7405 873575	14345 1135643	155656	302046	588358	0.500 60.0	1.00 80.0	10.0	20.0	40.0
tert-Butylbenzene	DCBd 4	Ave	19348 2731529	41850 3487952	474813	904165	1854784	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	21277 2851175	46663 3713592	495166	965487	1949684	0.500 60.0	1.00 80.0	10.0	20.0	40.0
sec-Butylbenzene	DCBd 4	Ave	26267 3724288	55760 4762339	624437	1216655	2501406	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCBd 4	Ave	14989 1726981	31057 2223773	299776	589299	1165661	0.500 60.0	1.00 80.0	10.0	20.0	40.0
p-Isopropyltoluene	DCBd 4	Ave	23262 3219084	49391 4210777	543873	1061108	2177763	0.500 60.0	1.00 80.0	10.0	20.0	40.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

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
1,4-Dichlorobenzene	DCBd 4	Ave	16269 1749380	32379 2269476	308743	595729	1194426	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Butylbenzene	DCBd 4	Ave	19197 2635155	41792 3438646	439518	873706	1789693	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCBd 4	Ave	13617 1553579	28272 2045057	273092	532075	1053180	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	2665 308798	4583 422865	50642	102189	210526	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	9535 1042664	19612 1450610	168774	335760	675526	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	DCBd 4	Ave	4814 552719	10037 696652	87534	175651	358938	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Naphthalene	DCBd 4	Ave	+++++ 2984863	52154 4262332	469280	923339	1949946	+++++ 60.0	1.00 80.0	10.0	20.0	40.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	7998 957428	17097 1414051	153843	295011	606712	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Dibromofluoromethane (Surr)	FB	Ave	6919 762443	13395 972724	129168	251584	512374	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	8242 841615	16187 1067780	149716	285917	579615	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Toluene-d8 (Surr)	CBNZ d5	Ave	23636 2695636	44577 3557725	475254	907923	1855495	0.500 60.0	1.00 80.0	10.0	20.0	40.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	9778 987516	17494 1273707	173480	337411	674745	0.500 60.0	1.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1 Analy Batch No.: 342719

SDG No.:

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2018 17:09 Calibration End Date: 08/27/2018 19:23 Calibration ID: 46687

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-342719/13	U1901329.d
Level 2	STD8260 240-342719/12	U1901328.d
Level 3	STD8260 240-342719/11	U1901327.d
Level 4	ICIS 240-342719/10	U1901326.d
Level 5	STD8260 240-342719/9	U1901325.d
Level 6	STD8260 240-342719/8	U1901324.d
Level 7	STD8260 240-342719/7	U1901323.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Tetrahydrofuran	+++++	-9.7						50				
n-Heptane	+++++	-4.5						50				

TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901323.d
Lims ID: std8260 L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 27-Aug-2018 17:09:10 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0079307-003
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2018 21:27:48 Calib Date: 27-Aug-2018 19:23:28
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: laveyt Date: 27-Aug-2018 17:37:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	92	960659	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	82	763247	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	68	415062	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	63	972724	80.0	75.2	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.345	5.345	0.000	100	1067780	80.0	71.9	
$ 6 Toluene-d8 (Surr)	98	7.100	7.101	0.000	93	3557725	80.0	77.7	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	90	1273707	80.0	74.0	
9 Dichlorodifluoromethane	85	1.598	1.610	-0.012	88	1552738	80.0	84.0	
10 Chloromethane	50	1.811	1.812	-0.001	78	1059365	80.0	76.5	
12 Butadiene	54	1.894	1.906	-0.012	89	1086231	80.0	78.3	
11 Vinyl chloride	62	1.918	1.918	0.000	82	1135494	80.0	79.3	
13 Bromomethane	94	2.215	2.227	-0.013	84	864872	80.0	77.1	
14 Chloroethane	64	2.286	2.298	-0.012	86	696179	80.0	78.4	
15 Dichlorofluoromethane	67	2.499	2.499	0.000	83	1694878	80.0	77.0	
16 Trichlorofluoromethane	101	2.570	2.582	-0.012	87	1894654	80.0	79.1	
17 Ethyl ether	59	2.807	2.808	-0.001	88	676475	80.0	78.2	
18 Acrolein	56	2.926	2.926	0.000	91	846753	400.0	396.4	
21 1,1-Dichloroethene	61	3.033	3.045	-0.012	90	1382045	80.0	80.2	
20 1,1,2-Trichloro-1,2,2-trif	101	3.045	3.057	-0.012	78	1005400	80.0	81.5	
22 Acetone	43	3.068	3.069	-0.001	79	564923	160.0	150.0	
23 Iodomethane	142	3.187	3.199	-0.012	99	1743886	80.0	78.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Carbon disulfide	76	3.258	3.258	0.000	89	2698750	80.0	74.8	
26 3-Chloro-1-propene	41	3.353	3.365	-0.012	81	1304832	80.0	76.7	
27 Methyl acetate	43	3.377	3.377	0.000	96	1658043	160.0	148.3	
28 Methylene Chloride	49	3.483	3.495	-0.012	52	1035294	80.0	75.7	
29 2-Methyl-2-propanol	59	3.578	3.567	0.011	69	963916	800.0	741.0	
30 Acrylonitrile	53	3.685	3.685	0.000	98	3654042	800.0	756.5	
32 trans-1,2-Dichloroethene	61	3.721	3.721	0.000	79	1235776	80.0	76.0	
31 Methyl tert-butyl ether	73	3.732	3.733	-0.001	89	2755910	80.0	82.7	
33 Hexane	57	3.970	3.982	-0.012	93	1419117	80.0	83.8	
34 1,1-Dichloroethane	63	4.100	4.112	-0.012	85	1533220	80.0	78.9	
35 Vinyl acetate	43	4.147	4.148	-0.001	97	1777280	80.0	79.8	
40 cis-1,2-Dichloroethene	96	4.622	4.622	0.000	63	1069027	80.0	77.0	
39 2,2-Dichloropropane	77	4.634	4.634	0.000	66	944363	80.0	80.7	
41 2-Butanone (MEK)	72	4.634	4.634	0.000	96	358198	160.0	157.9	
45 Chlorobromomethane	49	4.835	4.836	-0.001	81	658069	80.0	70.4	
46 Tetrahydrofuran	42	4.883	4.883	0.000	83	753652	160.0	158.3	
47 Chloroform	83	4.906	4.907	-0.001	70	1662428	80.0	78.1	
48 1,1,1-Trichloroethane	97	5.084	5.085	-0.001	91	1637723	80.0	81.7	
49 Cyclohexane	84	5.144	5.144	0.000	75	1531667	80.0	83.5	
50 1,1-Dichloropropene	75	5.227	5.227	0.000	89	1344377	80.0	79.5	
51 Carbon tetrachloride	117	5.238	5.239	-0.001	71	1583649	80.0	82.0	
52 Isobutyl alcohol	41	5.298	5.298	0.000	88	985172	2000.0	1867.6	
53 Benzene	78	5.404	5.417	-0.013	95	3599104	80.0	78.7	
54 1,2-Dichloroethane	62	5.416	5.417	-0.001	51	1294416	80.0	74.9	
56 n-Heptane	57	5.642	5.642	0.000	86	734621	80.0	78.7	
58 Trichloroethene	130	5.986	5.986	0.000	88	1193487	80.0	78.6	
60 Methylcyclohexane	83	6.175	6.176	-0.001	89	1805108	80.0	81.9	
61 1,2-Dichloropropane	63	6.187	6.187	0.000	81	831616	80.0	78.4	
63 Dibromomethane	174	6.294	6.294	0.000	85	828119	80.0	75.9	
64 1,4-Dioxane	88	6.306	6.306	0.000	33	204613	1600.0	1782.8	
65 Dichlorobromomethane	83	6.424	6.436	-0.012	93	1298324	80.0	77.7	
67 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	92	1404589	160.0	165.2	
68 cis-1,3-Dichloropropene	75	6.839	6.840	-0.001	91	1486992	80.0	80.1	
69 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	83	2416341	160.0	157.0	
70 Toluene	91	7.171	7.172	-0.001	94	4036837	80.0	78.3	
71 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	83	1466824	80.0	79.8	
72 Ethyl methacrylate	69	7.432	7.433	-0.001	87	1404401	80.0	84.7	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	84	861140	80.0	79.4	
75 Tetrachloroethene	166	7.693	7.693	0.000	93	1317893	80.0	80.1	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	89	1456758	80.0	79.5	
77 2-Hexanone	43	7.764	7.765	-0.001	79	1965782	160.0	163.6	
79 Chlorodibromomethane	129	7.930	7.919	0.011	87	1113195	80.0	81.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
80 Ethylene Dibromide	107	8.049	8.049	0.000	98	982631	80.0	76.9	
82 Chlorobenzene	112	8.523	8.524	-0.001	92	2721351	80.0	77.1	
83 1,1,1,2-Tetrachloroethane	131	8.606	8.607	-0.001	88	1012040	80.0	79.5	
84 Ethylbenzene	106	8.630	8.630	0.000	98	1476959	80.0	80.0	
85 m-Xylene & p-Xylene	106	8.749	8.749	0.000	99	1814431	80.0	80.7	
86 o-Xylene	106	9.152	9.152	0.000	87	1703380	80.0	79.8	
87 Styrene	104	9.164	9.164	0.000	93	2970527	80.0	81.2	
88 Bromoform	173	9.353	9.354	-0.001	98	909465	80.0	81.3	
89 Isopropylbenzene	105	9.519	9.520	-0.001	95	4561888	80.0	79.6	
91 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	84	1271933	80.0	79.5	
92 Bromobenzene	156	9.840	9.840	0.000	81	1240722	80.0	77.7	
93 1,2,3-Trichloropropane	110	9.863	9.864	-0.001	65	478494	80.0	78.9	
94 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	62	456736	80.0	80.4	
95 N-Propylbenzene	120	9.946	9.947	-0.001	92	1290307	80.0	80.4	
96 2-Chlorotoluene	126	10.041	10.041	0.000	97	1080636	80.0	79.6	
97 1,3,5-Trimethylbenzene	105	10.124	10.124	0.000	93	3682951	80.0	79.7	
98 4-Chlorotoluene	126	10.148	10.148	0.000	98	1135643	80.0	77.4	
99 tert-Butylbenzene	119	10.468	10.468	0.000	77	3487952	80.0	79.6	
101 1,2,4-Trimethylbenzene	105	10.516	10.516	0.000	71	3713592	80.0	79.3	
102 sec-Butylbenzene	105	10.693	10.694	-0.001	94	4762339	80.0	80.7	
103 1,3-Dichlorobenzene	146	10.824	10.812	0.012	95	2223773	80.0	75.9	
104 4-Isopropyltoluene	119	10.848	10.848	0.000	90	4210777	80.0	81.4	
105 1,4-Dichlorobenzene	146	10.907	10.907	0.000	94	2269476	80.0	74.9	
108 n-Butylbenzene	91	11.286	11.287	-0.001	96	3438646	80.0	80.8	
109 1,2-Dichlorobenzene	146	11.310	11.298	0.012	98	2045057	80.0	76.9	
110 1,2-Dibromo-3-Chloropropan	157	12.128	12.129	-0.001	92	422865	80.0	83.2	
112 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	93	1450610	80.0	81.7	
113 Hexachlorobutadiene	225	13.207	13.208	-0.001	88	696652	80.0	76.4	
114 Naphthalene	128	13.279	13.279	0.000	97	4262332	80.0	86.9	
115 1,2,3-Trichlorobenzene	180	13.540	13.540	0.000	94	1414051	80.0	88.7	
S 127 Trihalomethanes, Total	1				0		320.0	318.4	
S 164 Total BTEX	1				0		400.0	397.5	
S 124 1,2-Dichloroethene, Total	96				0			153.0	
S 125 1,3-Dichloropropene, Total	75				0			159.9	
S 126 Xylenes, Total	106				0		160.0	160.5	

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmrgas_00259	Amount Added:	64.00	Units: uL
vmarolistdw_00260	Amount Added:	64.00	Units: uL
vmrprimw_00297	Amount Added:	64.00	Units: uL
vm50ss_00333	Amount Added:	64.00	Units: uL

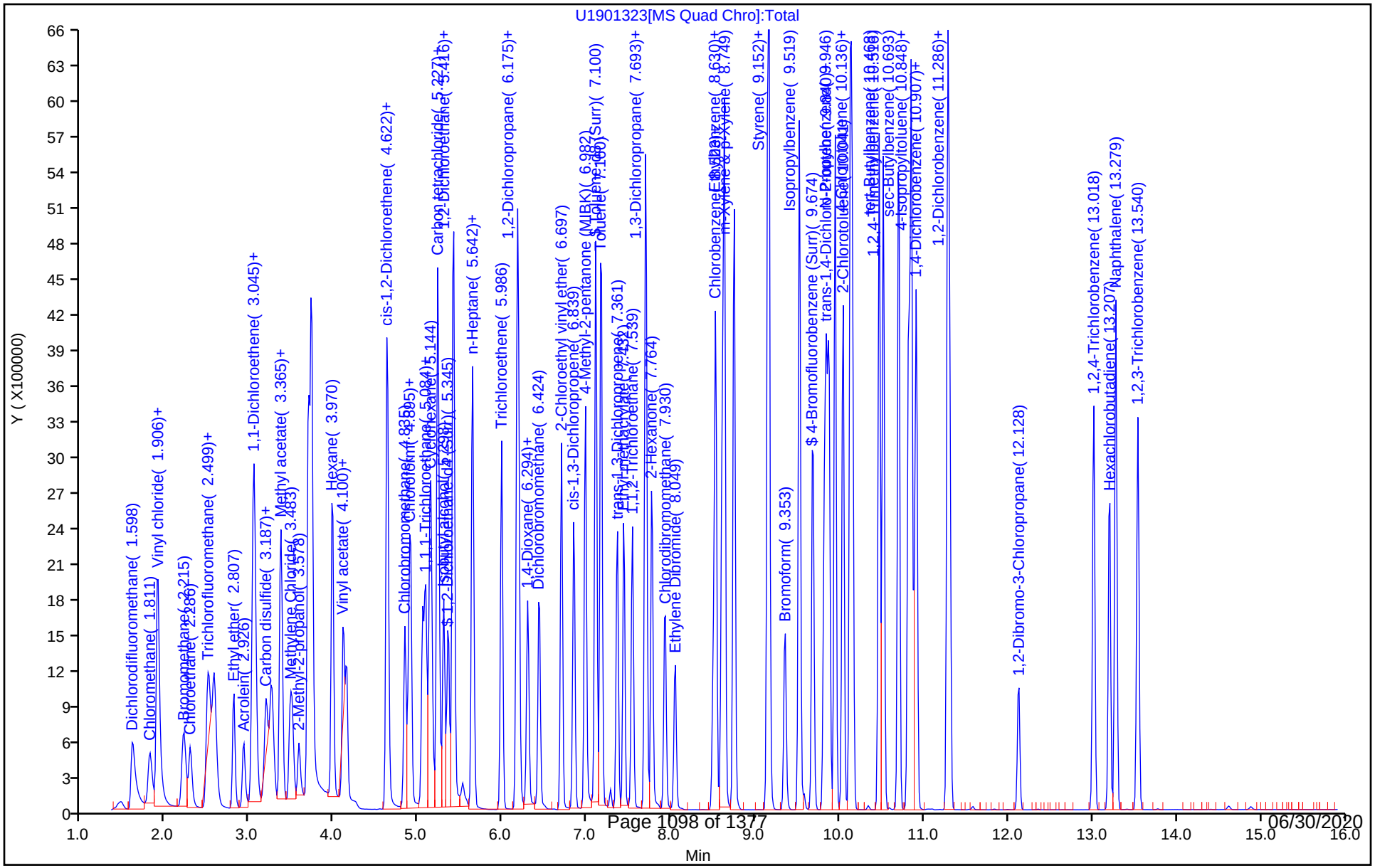
Report Date: 27-Aug-2018 21:27:50 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901323.d

Injection Date:	27-Aug-2018 17:09:10	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L7			Worklist Smp#:	7
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901324.d
Lims ID: std8260 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 27-Aug-2018 17:31:36 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0079307-004
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2018 21:27:54 Calib Date: 27-Aug-2018 19:23:28
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: laveyt Date: 27-Aug-2018 18:08:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	92	966455	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	83	761160	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	74	413175	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	59	762443	60.0	58.6	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.357	5.345	0.012	99	841615	60.0	56.3	
$ 6 Toluene-d8 (Surr)	98	7.100	7.101	0.000	86	2695636	60.0	59.1	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	90	987516	60.0	57.5	
9 Dichlorodifluoromethane	85	1.610	1.610	0.000	80	1180992	60.0	63.5	
10 Chloromethane	50	1.823	1.812	0.011	77	829233	60.0	59.5	
12 Butadiene	54	1.906	1.906	0.000	88	847603	60.0	60.8	
11 Vinyl chloride	62	1.930	1.918	0.012	81	881108	60.0	61.2	
13 Bromomethane	94	2.226	2.227	-0.001	89	669257	60.0	59.3	
14 Chloroethane	64	2.298	2.298	0.000	94	533953	60.0	59.8	
15 Dichlorofluoromethane	67	2.511	2.499	0.012	82	1308784	60.0	59.1	
16 Trichlorofluoromethane	101	2.582	2.582	0.000	88	1458414	60.0	60.6	
17 Ethyl ether	59	2.807	2.808	-0.001	90	521372	60.0	59.9	
18 Acrolein	56	2.926	2.926	0.000	95	622965	300.0	289.9	
21 1,1-Dichloroethene	61	3.045	3.045	0.000	89	1061526	60.0	61.2	
20 1,1,2-Trichloro-1,2,2-trif	101	3.057	3.057	0.000	79	770733	60.0	62.1	
22 Acetone	43	3.068	3.069	-0.001	64	433055	120.0	114.3	
23 Iodomethane	142	3.199	3.199	0.000	99	1332936	60.0	59.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Carbon disulfide	76	3.258	3.258	0.000	99	2078244	60.0	57.2	
26 3-Chloro-1-propene	41	3.365	3.365	0.000	74	1011692	60.0	59.1	
27 Methyl acetate	43	3.377	3.377	0.000	96	1276471	120.0	113.5	
28 Methylene Chloride	49	3.483	3.495	-0.012	53	797526	60.0	58.0	
29 2-Methyl-2-propanol	59	3.578	3.567	0.011	86	709594	600.0	542.2	
30 Acrylonitrile	53	3.697	3.685	0.012	98	2849701	600.0	586.4	
32 trans-1,2-Dichloroethene	61	3.732	3.721	0.011	69	967924	60.0	59.1	
31 Methyl tert-butyl ether	73	3.732	3.733	-0.001	89	2079947	60.0	62.0	
33 Hexane	57	3.982	3.982	0.000	89	1056328	60.0	62.0	
34 1,1-Dichloroethane	63	4.112	4.112	0.000	85	1192355	60.0	61.0	
35 Vinyl acetate	43	4.148	4.148	0.000	97	1321142	60.0	58.9	
40 cis-1,2-Dichloroethene	96	4.622	4.622	0.000	63	831715	60.0	59.5	
41 2-Butanone (MEK)	72	4.634	4.634	0.000	90	257675	120.0	112.9	
39 2,2-Dichloropropane	77	4.634	4.634	0.000	62	725393	60.0	61.6	
45 Chlorobromomethane	49	4.835	4.836	-0.001	68	530825	60.0	56.5	
46 Tetrahydrofuran	42	4.883	4.883	0.000	85	566965	120.0	117.7	
47 Chloroform	83	4.906	4.907	-0.001	70	1282514	60.0	59.9	
48 1,1,1-Trichloroethane	97	5.084	5.085	-0.001	89	1245609	60.0	61.8	
49 Cyclohexane	84	5.144	5.144	0.000	85	1159393	60.0	62.8	
50 1,1-Dichloropropene	75	5.227	5.227	0.000	91	1033663	60.0	60.8	
51 Carbon tetrachloride	117	5.239	5.239	0.000	70	1199313	60.0	61.7	
52 Isobutyl alcohol	41	5.298	5.298	0.000	82	731439	1500.0	1378.3	
54 1,2-Dichloroethane	62	5.416	5.417	-0.001	49	1002994	60.0	57.7	
53 Benzene	78	5.416	5.417	-0.001	94	2748682	60.0	59.8	
56 n-Heptane	57	5.642	5.642	0.000	87	573367	60.0	60.3	
58 Trichloroethene	130	5.986	5.986	0.000	93	909646	60.0	59.6	
60 Methylcyclohexane	83	6.175	6.176	-0.001	89	1399000	60.0	63.1	
61 1,2-Dichloropropane	63	6.187	6.187	0.000	79	634222	60.0	59.5	
63 Dibromomethane	174	6.294	6.294	0.000	86	638964	60.0	58.2	
64 1,4-Dioxane	88	6.306	6.306	0.000	32	147508	1200.0	1277.5	
65 Dichlorobromomethane	83	6.436	6.436	0.000	94	997303	60.0	59.3	
67 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	92	1009556	120.0	118.0	
68 cis-1,3-Dichloropropene	75	6.839	6.840	-0.001	93	1113655	60.0	59.6	
69 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	82	1776570	120.0	114.8	
70 Toluene	91	7.171	7.172	-0.001	94	3039879	60.0	59.1	
71 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	87	1076004	60.0	58.7	
72 Ethyl methacrylate	69	7.432	7.433	-0.001	88	1006534	60.0	60.9	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	84	644677	60.0	59.6	
75 Tetrachloroethene	166	7.693	7.693	0.000	93	999011	60.0	60.9	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	89	1078694	60.0	59.0	
77 2-Hexanone	43	7.764	7.765	-0.001	79	1411899	120.0	117.8	
79 Chlorodibromomethane	129	7.930	7.919	0.011	87	836499	60.0	61.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
80 Ethylene Dibromide	107	8.049	8.049	0.000	99	733806	60.0	57.6	
82 Chlorobenzene	112	8.523	8.524	-0.001	95	2067581	60.0	58.7	
83 1,1,1,2-Tetrachloroethane	131	8.606	8.607	-0.001	88	771705	60.0	60.8	
84 Ethylbenzene	106	8.630	8.630	0.000	98	1118678	60.0	60.8	
85 m-Xylene & p-Xylene	106	8.749	8.749	0.000	99	1365436	60.0	60.9	
86 o-Xylene	106	9.152	9.152	0.000	87	1302937	60.0	61.2	
87 Styrene	104	9.152	9.164	-0.012	88	2244503	60.0	61.5	
88 Bromoform	173	9.353	9.354	-0.001	98	669771	60.0	60.0	
89 Isopropylbenzene	105	9.519	9.520	-0.001	95	3527221	60.0	61.7	
91 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	84	951258	60.0	59.8	
92 Bromobenzene	156	9.840	9.840	0.000	87	946835	60.0	59.6	
93 1,2,3-Trichloropropane	110	9.863	9.864	-0.001	63	355186	60.0	58.9	
94 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	61	330637	60.0	58.5	
95 N-Propylbenzene	120	9.946	9.947	-0.001	91	988262	60.0	61.9	
96 2-Chlorotoluene	126	10.041	10.041	0.000	97	834423	60.0	61.7	
97 1,3,5-Trimethylbenzene	105	10.124	10.124	0.000	93	2836427	60.0	61.7	
98 4-Chlorotoluene	126	10.148	10.148	0.000	98	873575	60.0	59.8	
99 tert-Butylbenzene	119	10.468	10.468	0.000	77	2731529	60.0	62.6	
101 1,2,4-Trimethylbenzene	105	10.516	10.516	0.000	70	2851175	60.0	61.2	
102 sec-Butylbenzene	105	10.693	10.694	-0.001	94	3724288	60.0	63.4	
103 1,3-Dichlorobenzene	146	10.812	10.812	0.000	90	1726981	60.0	59.2	
104 4-Isopropyltoluene	119	10.848	10.848	0.000	90	3219084	60.0	62.5	
105 1,4-Dichlorobenzene	146	10.907	10.907	0.000	94	1749380	60.0	58.0	
108 n-Butylbenzene	91	11.275	11.287	-0.012	98	2635155	60.0	62.2	
109 1,2-Dichlorobenzene	146	11.298	11.298	0.000	97	1553579	60.0	58.6	
110 1,2-Dibromo-3-Chloropropan	157	12.128	12.129	-0.001	91	308798	60.0	61.0	
112 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	92	1042664	60.0	59.0	
113 Hexachlorobutadiene	225	13.208	13.208	0.000	88	552719	60.0	60.9	
114 Naphthalene	128	13.279	13.279	0.000	96	2984863	60.0	61.1	
115 1,2,3-Trichlorobenzene	180	13.540	13.540	0.000	94	957428	60.0	60.4	
S 164 Total BTEX	1				0		300.0	301.7	
S 127 Trihalomethanes, Total	1				0		240.0	240.5	
S 124 1,2-Dichloroethene, Total	96				0			118.7	
S 125 1,3-Dichloropropene, Total	75				0			118.3	
S 126 Xylenes, Total	106				0		120.0	122.1	

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmrgas_00259	Amount Added:	48.00	Units: uL
vmarolistdw_00260	Amount Added:	48.00	Units: uL
vmrprimw_00297	Amount Added:	48.00	Units: uL
vm50ss_00333	Amount Added:	48.00	Units: uL

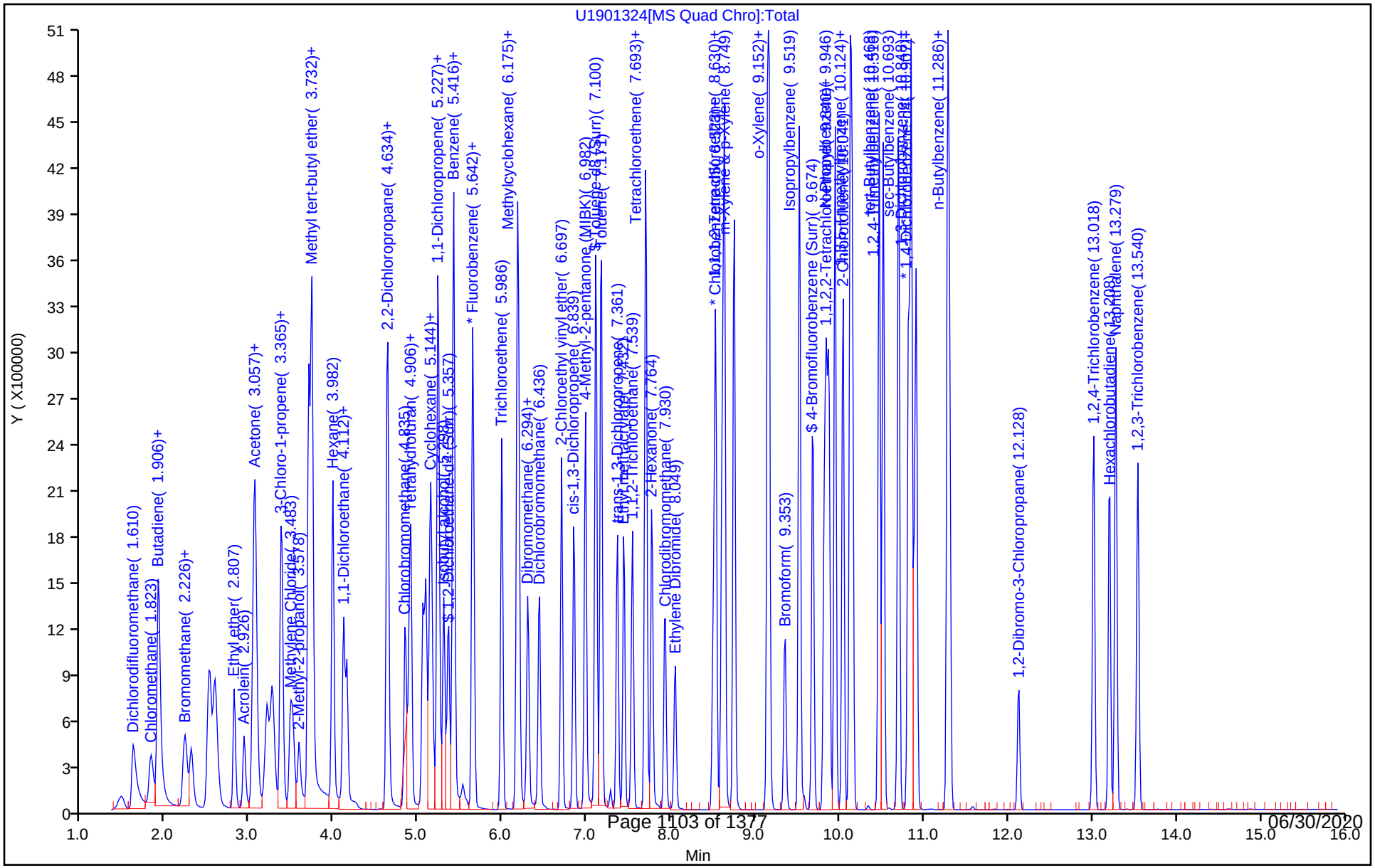
Report Date: 27-Aug-2018 21:27:59 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901324.d

Injection Date:	27-Aug-2018 17:31:36	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L6			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901325.d
Lims ID: std8260 L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 27-Aug-2018 17:53:51 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0079307-009
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2018 21:28:08 Calib Date: 27-Aug-2018 19:23:28
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: laveyt Date: 27-Aug-2018 18:49:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	95	978140	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	82	783329	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	75	427081	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	60	512374	40.0	38.9	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.345	5.345	0.000	100	579615	40.0	38.3	
$ 6 Toluene-d8 (Surr)	98	7.101	7.101	0.000	86	1855495	40.0	39.5	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	89	674745	40.0	38.2	
9 Dichlorodifluoromethane	85	1.598	1.610	-0.012	88	792590	40.0	42.1	
10 Chloromethane	50	1.812	1.812	0.000	78	546909	40.0	38.8	
12 Butadiene	54	1.895	1.906	-0.011	89	552757	40.0	39.2	
11 Vinyl chloride	62	1.918	1.918	0.000	83	589426	40.0	40.4	
13 Bromomethane	94	2.215	2.227	-0.012	85	442826	40.0	38.8	
14 Chloroethane	64	2.298	2.298	0.000	82	353502	40.0	39.1	
15 Dichlorofluoromethane	67	2.499	2.499	0.000	83	878380	40.0	39.2	
16 Trichlorofluoromethane	101	2.571	2.582	-0.012	87	978643	40.0	40.2	
17 Ethyl ether	59	2.808	2.808	0.000	88	350377	40.0	39.8	
18 Acrolein	56	2.926	2.926	0.000	95	417769	200.0	192.1	
21 1,1-Dichloroethene	61	3.033	3.045	-0.012	90	706289	40.0	40.2	
20 1,1,2-Trichloro-1,2,2-trif	101	3.045	3.057	-0.012	72	512861	40.0	40.8	
22 Acetone	43	3.069	3.069	0.000	82	298968	80.0	78.0	
23 Iodomethane	142	3.187	3.199	-0.012	99	888035	40.0	39.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Carbon disulfide	76	3.258	3.258	0.000	89	1372316	40.0	37.3	
26 3-Chloro-1-propene	41	3.353	3.365	-0.012	73	662138	40.0	38.2	
27 Methyl acetate	43	3.377	3.377	0.000	96	886871	80.0	77.9	
28 Methylene Chloride	49	3.484	3.495	-0.011	51	534613	40.0	38.4	
29 2-Methyl-2-propanol	59	3.578	3.567	0.011	69	542388	400.0	409.5	
30 Acrylonitrile	53	3.685	3.685	0.000	97	1951040	400.0	396.7	
32 trans-1,2-Dichloroethene	61	3.721	3.721	0.000	74	639131	40.0	38.6	
31 Methyl tert-butyl ether	73	3.733	3.733	0.000	87	1349603	40.0	39.8	
33 Hexane	57	3.982	3.982	0.000	92	704185	40.0	40.9	
34 1,1-Dichloroethane	63	4.100	4.112	-0.012	85	790957	40.0	40.0	
35 Vinyl acetate	43	4.148	4.148	0.000	97	903595	40.0	39.8	
40 cis-1,2-Dichloroethene	96	4.622	4.622	0.000	69	545012	40.0	38.6	
39 2,2-Dichloropropane	77	4.634	4.634	0.000	66	491954	40.0	41.3	
41 2-Butanone (MEK)	72	4.634	4.634	0.000	96	181887	80.0	78.7	
45 Chlorobromomethane	49	4.836	4.836	0.000	80	350082	40.0	36.8	
46 Tetrahydrofuran	42	4.883	4.883	0.000	84	405539	80.0	82.5	
47 Chloroform	83	4.907	4.907	0.000	68	863672	40.0	39.8	
48 1,1,1-Trichloroethane	97	5.085	5.085	0.000	90	836381	40.0	41.0	
49 Cyclohexane	84	5.144	5.144	0.000	75	776128	40.0	41.6	
50 1,1-Dichloropropene	75	5.227	5.227	0.000	89	687882	40.0	40.0	
51 Carbon tetrachloride	117	5.239	5.239	0.000	70	807965	40.0	41.1	
52 Isobutyl alcohol	41	5.298	5.298	0.000	88	540692	1000.0	1006.7	
53 Benzene	78	5.405	5.417	-0.012	95	1843426	40.0	39.6	
54 1,2-Dichloroethane	62	5.417	5.417	0.000	51	680627	40.0	38.7	
56 n-Heptane	57	5.642	5.642	0.000	84	401639	40.0	40.7	
58 Trichloroethene	130	5.986	5.986	0.000	92	608172	40.0	39.4	
60 Methylcyclohexane	83	6.176	6.176	0.000	88	929492	40.0	41.4	
61 1,2-Dichloropropane	63	6.187	6.187	0.000	80	433884	40.0	40.2	
63 Dibromomethane	174	6.294	6.294	0.000	86	428543	40.0	38.6	
64 1,4-Dioxane	88	6.306	6.306	0.000	35	108387	800.0	927.5	
65 Dichlorobromomethane	83	6.436	6.436	0.000	93	670319	40.0	39.4	
67 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	92	710198	80.0	82.0	
68 cis-1,3-Dichloropropene	75	6.840	6.840	0.000	92	757475	40.0	40.1	
69 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	82	1267570	80.0	80.9	
70 Toluene	91	7.172	7.172	0.000	95	2085055	40.0	39.4	
71 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	83	737016	40.0	39.1	
72 Ethyl methacrylate	69	7.433	7.433	0.000	88	711262	40.0	41.8	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	84	445968	40.0	40.1	
75 Tetrachloroethene	166	7.693	7.693	0.000	92	675866	40.0	40.0	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	89	737142	40.0	39.2	
77 2-Hexanone	43	7.765	7.765	0.000	79	1016835	80.0	82.4	
79 Chlorodibromomethane	129	7.931	7.919	0.012	87	568645	40.0	40.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
80 Ethylene Dibromide	107	8.049	8.049	0.000	99	500324	40.0	38.2	
82 Chlorobenzene	112	8.524	8.524	0.000	97	1418747	40.0	39.1	
83 1,1,1,2-Tetrachloroethane	131	8.607	8.607	0.000	87	524311	40.0	40.1	
84 Ethylbenzene	106	8.630	8.630	0.000	98	765441	40.0	40.4	
85 m-Xylene & p-Xylene	106	8.749	8.749	0.000	99	934583	40.0	40.5	
86 o-Xylene	106	9.152	9.152	0.000	87	890297	40.0	40.6	
87 Styrene	104	9.164	9.164	0.000	93	1534422	40.0	40.9	
88 Bromoform	173	9.354	9.354	0.000	98	462320	40.0	40.2	
89 Isopropylbenzene	105	9.520	9.520	0.000	96	2399226	40.0	40.8	
91 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	88	660294	40.0	40.1	
92 Bromobenzene	156	9.840	9.840	0.000	81	647055	40.0	39.4	
93 1,2,3-Trichloropropane	110	9.864	9.864	0.000	70	250203	40.0	40.1	
94 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	61	228469	40.0	39.1	
95 N-Propylbenzene	120	9.947	9.947	0.000	91	674293	40.0	40.9	
96 2-Chlorotoluene	126	10.041	10.041	0.000	97	562614	40.0	40.3	
97 1,3,5-Trimethylbenzene	105	10.124	10.124	0.000	93	1929863	40.0	40.6	
98 4-Chlorotoluene	126	10.148	10.148	0.000	98	588358	40.0	39.0	
99 tert-Butylbenzene	119	10.468	10.468	0.000	77	1854784	40.0	41.1	
101 1,2,4-Trimethylbenzene	105	10.516	10.516	0.000	70	1949684	40.0	40.5	
102 sec-Butylbenzene	105	10.694	10.694	0.000	94	2501406	40.0	41.2	
103 1,3-Dichlorobenzene	146	10.812	10.812	0.000	90	1165661	40.0	38.7	
104 4-Isopropyltoluene	119	10.848	10.848	0.000	91	2177763	40.0	40.9	
105 1,4-Dichlorobenzene	146	10.907	10.907	0.000	94	1194426	40.0	38.3	
108 n-Butylbenzene	91	11.287	11.287	0.000	97	1789693	40.0	40.9	
109 1,2-Dichlorobenzene	146	11.298	11.298	0.000	96	1053180	40.0	38.5	
110 1,2-Dibromo-3-Chloropropan	157	12.129	12.129	0.000	92	210526	40.0	40.2	
112 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	91	675526	40.0	37.0	
113 Hexachlorobutadiene	225	13.208	13.208	0.000	88	358938	40.0	38.3	
114 Naphthalene	128	13.279	13.279	0.000	96	1949946	40.0	38.6	
115 1,2,3-Trichlorobenzene	180	13.540	13.540	0.000	93	606712	40.0	37.0	
S 127 Trihalomethanes, Total	1				0		160.0	160.0	
S 164 Total BTEX	1				0		200.0	200.5	
S 124 1,2-Dichloroethene, Total	96				0			77.1	
S 125 1,3-Dichloropropene, Total	75				0			79.1	
S 126 Xylenes, Total	106				0		80.0	81.1	

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmrgas_00259	Amount Added:	32.00	Units: uL
vmarolistdw_00260	Amount Added:	32.00	Units: uL
vmrprimw_00297	Amount Added:	32.00	Units: uL
vm50ss_00333	Amount Added:	32.00	Units: uL

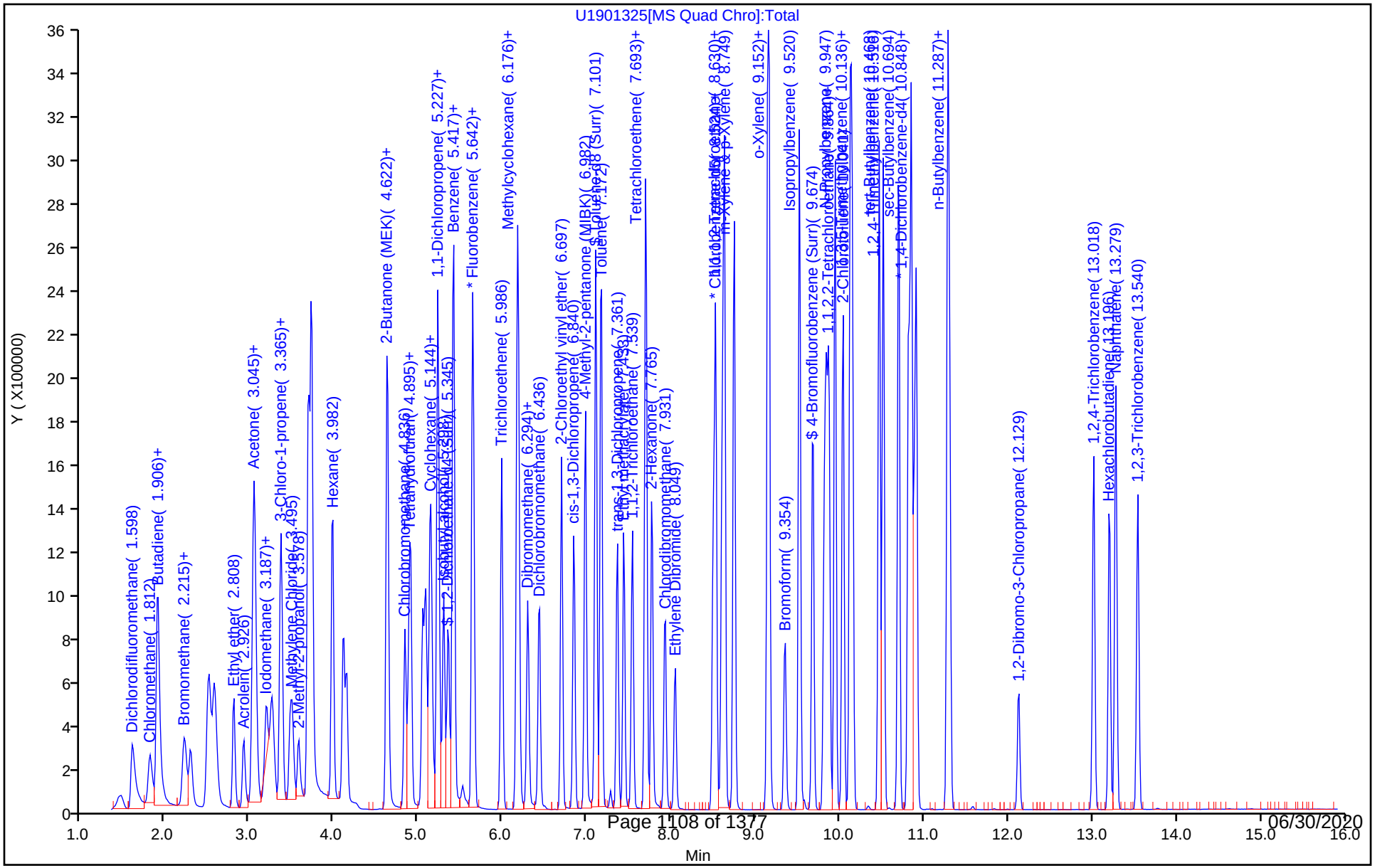
Report Date: 27-Aug-2018 21:28:11 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901325.d

Injection Date:	27-Aug-2018 17:53:51	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L5			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901326.d
Lims ID: ICIS L4
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 27-Aug-2018 18:16:31 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0079307-010
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2018 21:28:20 Calib Date: 27-Aug-2018 19:23:28
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: laveyt Date: 27-Aug-2018 18:47:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	97	972482	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	83	783101	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	86	430906	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	59	251584	20.0	19.2	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.345	5.345	0.000	99	285917	20.0	19.0	
$ 6 Toluene-d8 (Surr)	98	7.101	7.101	0.000	86	907923	20.0	19.3	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	90	337411	20.0	19.1	
9 Dichlorodifluoromethane	85	1.610	1.610	0.000	66	366772	20.0	19.6	
10 Chloromethane	50	1.812	1.812	0.000	77	267203	20.0	19.1	
12 Butadiene	54	1.906	1.906	0.000	88	275330	20.0	19.6	
11 Vinyl chloride	62	1.918	1.918	0.000	70	286894	20.0	19.8	
13 Bromomethane	94	2.227	2.227	0.000	90	219651	20.0	19.3	
14 Chloroethane	64	2.298	2.298	0.000	95	172968	20.0	19.2	
15 Dichlorofluoromethane	67	2.499	2.499	0.000	83	434465	20.0	19.5	
16 Trichlorofluoromethane	101	2.582	2.582	0.000	86	483006	20.0	19.9	
17 Ethyl ether	59	2.808	2.808	0.000	88	172224	20.0	19.7	
18 Acrolein	56	2.926	2.926	0.000	95	220720	100.0	102.1	
21 1,1-Dichloroethene	61	3.045	3.045	0.000	89	348307	20.0	20.0	
20 1,1,2-Trichloro-1,2,2-trif	101	3.057	3.057	0.000	80	249289	20.0	20.0	
22 Acetone	43	3.069	3.069	0.000	68	146204	40.0	38.3	
23 Iodomethane	142	3.199	3.199	0.000	99	444884	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
24 Carbon disulfide	76	3.258	3.258	0.000	99	683722	20.0	18.7	
26 3-Chloro-1-propene	41	3.365	3.365	0.000	80	326833	20.0	19.0	
27 Methyl acetate	43	3.377	3.377	0.000	96	440913	40.0	39.0	
28 Methylene Chloride	49	3.495	3.495	0.000	55	271471	20.0	19.6	
29 2-Methyl-2-propanol	59	3.567	3.567	0.000	51	252801	200.0	192.0	
30 Acrylonitrile	53	3.685	3.685	0.000	98	950386	200.0	194.4	
32 trans-1,2-Dichloroethene	61	3.721	3.721	0.000	72	317885	20.0	19.3	
31 Methyl tert-butyl ether	73	3.733	3.733	0.000	78	653045	20.0	19.4	
33 Hexane	57	3.982	3.982	0.000	91	347875	20.0	20.3	
34 1,1-Dichloroethane	63	4.112	4.112	0.000	85	387941	20.0	19.7	
35 Vinyl acetate	43	4.148	4.148	0.000	97	445770	20.0	19.8	
40 cis-1,2-Dichloroethene	96	4.622	4.622	0.000	69	272438	20.0	19.4	
41 2-Butanone (MEK)	72	4.634	4.634	0.000	95	88909	40.0	38.7	
39 2,2-Dichloropropane	77	4.634	4.634	0.000	63	212094	20.0	17.9	
45 Chlorobromomethane	49	4.836	4.836	0.000	81	175479	20.0	18.6	
46 Tetrahydrofuran	42	4.883	4.883	0.000	84	199816	40.0	39.6	
47 Chloroform	83	4.907	4.907	0.000	70	427697	20.0	19.8	
48 1,1,1-Trichloroethane	97	5.085	5.085	0.000	89	398309	20.0	19.6	
49 Cyclohexane	84	5.144	5.144	0.000	75	372006	20.0	20.0	
50 1,1-Dichloropropene	75	5.227	5.227	0.000	90	337392	20.0	19.7	
51 Carbon tetrachloride	117	5.239	5.239	0.000	70	384700	20.0	19.7	
52 Isobutyl alcohol	41	5.298	5.298	0.000	88	263438	500.0	493.3	
54 1,2-Dichloroethane	62	5.417	5.417	0.000	51	341638	20.0	19.5	
53 Benzene	78	5.417	5.417	0.000	94	917150	20.0	19.8	
56 n-Heptane	57	5.642	5.642	0.000	76	210893	20.0	19.9	
58 Trichloroethene	130	5.986	5.986	0.000	92	299123	20.0	19.5	
60 Methylcyclohexane	83	6.176	6.176	0.000	88	445411	20.0	20.0	
61 1,2-Dichloropropane	63	6.187	6.187	0.000	81	214790	20.0	20.0	
63 Dibromomethane	174	6.294	6.294	0.000	87	213090	20.0	19.3	
64 1,4-Dioxane	88	6.306	6.306	0.000	35	50489	400.0	434.6	
65 Dichlorobromomethane	83	6.436	6.436	0.000	93	336655	20.0	19.9	
67 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	93	353595	40.0	41.1	
68 cis-1,3-Dichloropropene	75	6.840	6.840	0.000	92	372198	20.0	19.8	
69 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	83	627983	40.0	40.3	
70 Toluene	91	7.172	7.172	0.000	94	1040131	20.0	19.7	
71 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	85	363416	20.0	19.3	
72 Ethyl methacrylate	69	7.433	7.433	0.000	88	349427	20.0	20.5	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	86	219105	20.0	19.7	
75 Tetrachloroethene	166	7.693	7.693	0.000	92	332664	20.0	19.7	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	82	366944	20.0	19.5	
77 2-Hexanone	43	7.765	7.765	0.000	80	508487	40.0	41.2	
79 Chlorodibromomethane	129	7.919	7.919	0.000	89	282195	20.0	20.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
80 Ethylene Dibromide	107	8.049	8.049	0.000	98	257341	20.0	19.6	
82 Chlorobenzene	112	8.524	8.524	0.000	97	704913	20.0	19.5	
83 1,1,1,2-Tetrachloroethane	131	8.607	8.607	0.000	87	257026	20.0	19.7	
84 Ethylbenzene	106	8.630	8.630	0.000	98	380861	20.0	20.1	
85 m-Xylene & p-Xylene	106	8.749	8.749	0.000	99	466651	20.0	20.2	
86 o-Xylene	106	9.152	9.152	0.000	87	441487	20.0	20.1	
87 Styrene	104	9.164	9.164	0.000	93	759556	20.0	20.2	
88 Bromoform	173	9.354	9.354	0.000	98	222929	20.0	19.4	
89 Isopropylbenzene	105	9.520	9.520	0.000	95	1179370	20.0	20.0	
91 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	88	328526	20.0	19.8	
92 Bromobenzene	156	9.840	9.840	0.000	88	324573	20.0	19.6	
93 1,2,3-Trichloropropane	110	9.864	9.864	0.000	71	124262	20.0	19.7	
94 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	65	114842	20.0	19.5	
95 N-Propylbenzene	120	9.947	9.947	0.000	96	332244	20.0	20.0	
96 2-Chlorotoluene	126	10.041	10.041	0.000	96	281753	20.0	20.0	
97 1,3,5-Trimethylbenzene	105	10.124	10.124	0.000	93	945225	20.0	19.7	
98 4-Chlorotoluene	126	10.148	10.148	0.000	98	302046	20.0	19.8	
99 tert-Butylbenzene	119	10.468	10.468	0.000	78	904165	20.0	19.9	
101 1,2,4-Trimethylbenzene	105	10.516	10.516	0.000	72	965487	20.0	19.9	
102 sec-Butylbenzene	105	10.694	10.694	0.000	94	1216655	20.0	19.9	
103 1,3-Dichlorobenzene	146	10.812	10.812	0.000	84	589299	20.0	19.4	
104 4-Isopropyltoluene	119	10.848	10.848	0.000	90	1061108	20.0	19.8	
105 1,4-Dichlorobenzene	146	10.907	10.907	0.000	92	595729	20.0	19.0	
108 n-Butylbenzene	91	11.287	11.287	0.000	96	873706	20.0	19.8	
109 1,2-Dichlorobenzene	146	11.298	11.298	0.000	97	532075	20.0	19.3	
110 1,2-Dibromo-3-Chloropropan	157	12.129	12.129	0.000	91	102189	20.0	19.4	
112 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	92	335760	20.0	18.2	
113 Hexachlorobutadiene	225	13.208	13.208	0.000	88	175651	20.0	18.6	
114 Naphthalene	128	13.279	13.279	0.000	96	923339	20.0	18.1	
115 1,2,3-Trichlorobenzene	180	13.540	13.540	0.000	92	295011	20.0	17.8	
S 164 Total BTEX	1				0		100.0	100.0	
S 127 Trihalomethanes, Total	1				0		80.0	79.3	
S 126 Xylenes, Total	106				0		40.0	40.4	

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmrgas_00259	Amount Added:	16.00	Units: uL
vmarolistdw_00260	Amount Added:	16.00	Units: uL
vmrprimw_00297	Amount Added:	16.00	Units: uL
vm50ss_00333	Amount Added:	16.00	Units: uL

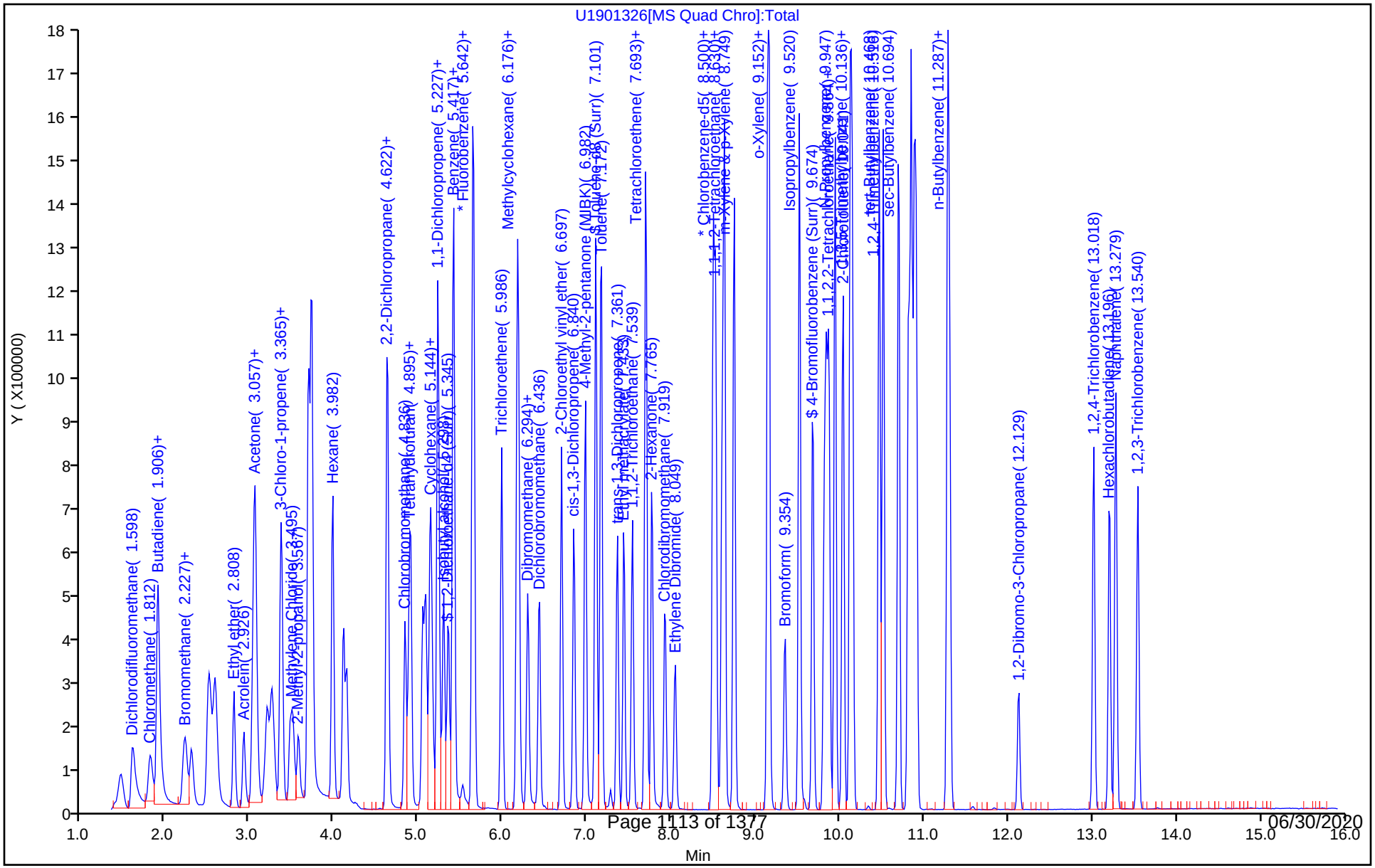
Report Date: 27-Aug-2018 21:28:24 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901326.d

Injection Date:	27-Aug-2018 18:16:31	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	ICIS L4			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901327.d
Lims ID: std8260 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 27-Aug-2018 18:38:57 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2018 21:28:30 Calib Date: 27-Aug-2018 19:23:28
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: laveyt Date: 27-Aug-2018 19:29:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	97	954461	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	83	776799	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	92	416777	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	59	129168	10.0	10.1	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.357	5.345	0.012	99	149716	10.0	10.1	
$ 6 Toluene-d8 (Surr)	98	7.101	7.101	0.001	86	475254	10.0	10.2	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	89	173480	10.0	9.90	
9 Dichlorodifluoromethane	85	1.610	1.610	0.000	66	186223	10.0	10.1	
10 Chloromethane	50	1.823	1.812	0.011	81	134420	10.0	9.77	
12 Butadiene	54	1.906	1.906	0.000	90	141609	10.0	10.3	
11 Vinyl chloride	62	1.930	1.918	0.012	82	148037	10.0	10.4	
13 Bromomethane	94	2.227	2.227	0.000	90	111689	10.0	10.0	
14 Chloroethane	64	2.310	2.298	0.012	94	89838	10.0	10.2	
15 Dichlorofluoromethane	67	2.511	2.499	0.012	83	223205	10.0	10.2	
16 Trichlorofluoromethane	101	2.582	2.582	0.000	86	244417	10.0	10.3	
17 Ethyl ether	59	2.808	2.808	0.000	90	88252	10.0	10.3	
18 Acrolein	56	2.926	2.926	0.000	96	100203	50.0	47.2	
21 1,1-Dichloroethene	61	3.045	3.045	0.000	90	177882	10.0	10.4	
20 1,1,2-Trichloro-1,2,2-trif	101	3.057	3.057	0.000	78	126531	10.0	10.3	
22 Acetone	43	3.069	3.069	0.000	71	73077	20.0	19.5	
23 Iodomethane	142	3.199	3.199	0.000	99	225726	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Carbon disulfide	76	3.270	3.258	0.012	98	351356	10.0	9.80	
26 3-Chloro-1-propene	41	3.365	3.365	0.000	76	171118	10.0	10.1	
27 Methyl acetate	43	3.377	3.377	0.000	95	228841	20.0	20.6	
28 Methylene Chloride	49	3.484	3.495	-0.011	73	139613	10.0	10.3	
29 2-Methyl-2-propanol	59	3.579	3.567	0.012	89	135517	100.0	104.9	
30 Acrylonitrile	53	3.697	3.685	0.012	98	514757	100.0	107.3	
32 trans-1,2-Dichloroethene	61	3.733	3.721	0.012	68	167419	10.0	10.4	
31 Methyl tert-butyl ether	73	3.733	3.733	0.000	89	342568	10.0	10.3	
33 Hexane	57	3.982	3.982	0.000	93	174299	10.0	10.4	
34 1,1-Dichloroethane	63	4.112	4.112	0.000	85	199597	10.0	10.3	
35 Vinyl acetate	43	4.148	4.148	0.000	97	231586	10.0	10.5	
40 cis-1,2-Dichloroethene	96	4.634	4.622	0.012	68	140685	10.0	10.2	
39 2,2-Dichloropropane	77	4.634	4.634	0.000	61	116583	10.0	10.0	
41 2-Butanone (MEK)	72	4.634	4.634	0.000	92	48290	20.0	21.4	
45 Chlorobromomethane	49	4.836	4.836	0.000	68	94139	10.0	10.1	
46 Tetrahydrofuran	42	4.883	4.883	0.000	84	114720	20.0	22.1	
47 Chloroform	83	4.907	4.907	0.000	71	224371	10.0	10.6	
48 1,1,1-Trichloroethane	97	5.085	5.085	0.000	90	211997	10.0	10.6	
49 Cyclohexane	84	5.144	5.144	0.000	86	188221	10.0	10.3	
50 1,1-Dichloropropene	75	5.227	5.227	0.000	92	174842	10.0	10.4	
51 Carbon tetrachloride	117	5.239	5.239	0.000	70	201366	10.0	10.5	
52 Isobutyl alcohol	41	5.298	5.298	0.000	68	127213	250.0	242.7	
53 Benzene	78	5.417	5.417	0.000	94	482300	10.0	10.6	
54 1,2-Dichloroethane	62	5.417	5.417	0.000	48	178638	10.0	10.4	
56 n-Heptane	57	5.642	5.642	0.000	64	123554	10.0	10.5	
58 Trichloroethene	130	5.986	5.986	0.000	92	156409	10.0	10.4	
60 Methylcyclohexane	83	6.176	6.176	0.000	87	225444	10.0	10.3	
61 1,2-Dichloropropane	63	6.187	6.187	0.000	78	112735	10.0	10.7	
63 Dibromomethane	174	6.306	6.294	0.012	81	111478	10.0	10.3	
64 1,4-Dioxane	88	6.306	6.306	0.000	24	20257	200.0	177.6	
65 Dichlorobromomethane	83	6.436	6.436	0.000	93	172767	10.0	10.4	
67 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	93	185460	20.0	22.0	
68 cis-1,3-Dichloropropene	75	6.840	6.840	0.000	93	192411	10.0	10.4	
69 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	83	332777	20.0	21.8	
70 Toluene	91	7.172	7.172	0.000	95	544474	10.0	10.4	
71 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	80	187797	10.0	10.0	
72 Ethyl methacrylate	69	7.433	7.433	0.000	88	177753	10.0	10.5	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	87	115489	10.0	10.5	
75 Tetrachloroethene	166	7.693	7.693	0.000	91	175104	10.0	10.5	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	89	194537	10.0	10.4	
77 2-Hexanone	43	7.765	7.765	0.000	79	267096	20.0	21.8	
79 Chlorodibromomethane	129	7.931	7.919	0.012	88	145120	10.0	10.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
80 Ethylene Dibromide	107	8.049	8.049	0.000	97	132926	10.0	10.2	
82 Chlorobenzene	112	8.524	8.524	0.000	96	370702	10.0	10.3	
83 1,1,1,2-Tetrachloroethane	131	8.607	8.607	0.000	88	135561	10.0	10.5	
84 Ethylbenzene	106	8.630	8.630	0.000	98	200390	10.0	10.7	
85 m-Xylene & p-Xylene	106	8.749	8.749	0.000	99	238543	10.0	10.4	
86 o-Xylene	106	9.152	9.152	0.000	88	225509	10.0	10.4	
87 Styrene	104	9.164	9.164	0.000	93	391834	10.0	10.5	
88 Bromoform	173	9.354	9.354	0.000	98	117306	10.0	10.3	
89 Isopropylbenzene	105	9.520	9.520	0.000	96	613985	10.0	10.5	
91 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	90	172140	10.0	10.7	
92 Bromobenzene	156	9.840	9.840	0.000	88	169316	10.0	10.6	
93 1,2,3-Trichloropropane	110	9.864	9.864	0.000	71	66218	10.0	10.9	
94 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	63	60466	10.0	10.6	
95 N-Propylbenzene	120	9.947	9.947	0.000	90	171938	10.0	10.7	
96 2-Chlorotoluene	126	10.042	10.041	0.001	97	147510	10.0	10.8	
97 1,3,5-Trimethylbenzene	105	10.125	10.124	0.000	93	499875	10.0	10.8	
98 4-Chlorotoluene	126	10.148	10.148	0.000	98	155656	10.0	10.6	
99 tert-Butylbenzene	119	10.468	10.468	0.000	78	474813	10.0	10.8	
101 1,2,4-Trimethylbenzene	105	10.516	10.516	0.000	72	495166	10.0	10.5	
102 sec-Butylbenzene	105	10.694	10.694	0.000	94	624437	10.0	10.5	
103 1,3-Dichlorobenzene	146	10.812	10.812	0.000	83	299776	10.0	10.2	
104 4-Isopropyltoluene	119	10.848	10.848	0.000	90	543873	10.0	10.5	
105 1,4-Dichlorobenzene	146	10.907	10.907	0.000	90	308743	10.0	10.2	
108 n-Butylbenzene	91	11.287	11.287	0.000	96	439518	10.0	10.3	
109 1,2-Dichlorobenzene	146	11.299	11.298	0.001	97	273092	10.0	10.2	
110 1,2-Dibromo-3-Chloropropan	157	12.129	12.129	0.000	89	50642	10.0	9.92	
112 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	93	168774	10.0	9.47	
113 Hexachlorobutadiene	225	13.208	13.208	0.000	90	87534	10.0	9.56	
114 Naphthalene	128	13.279	13.279	0.000	97	469280	10.0	9.53	
115 1,2,3-Trichlorobenzene	180	13.540	13.540	0.000	95	153843	10.0	9.62	
S 127 Trihalomethanes, Total	1				0		40.0	41.7	
S 164 Total BTEX	1				0		50.0	52.5	
S 124 1,2-Dichloroethene, Total	96				0			20.6	
S 125 1,3-Dichloropropene, Total	75				0			20.5	
S 126 Xylenes, Total	106				0		20.0	20.8	

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmrgas_00259	Amount Added:	8.00	Units: uL
vmarolistdw_00260	Amount Added:	8.00	Units: uL
vmrprimw_00297	Amount Added:	8.00	Units: uL
vm50ss_00333	Amount Added:	8.00	Units: uL

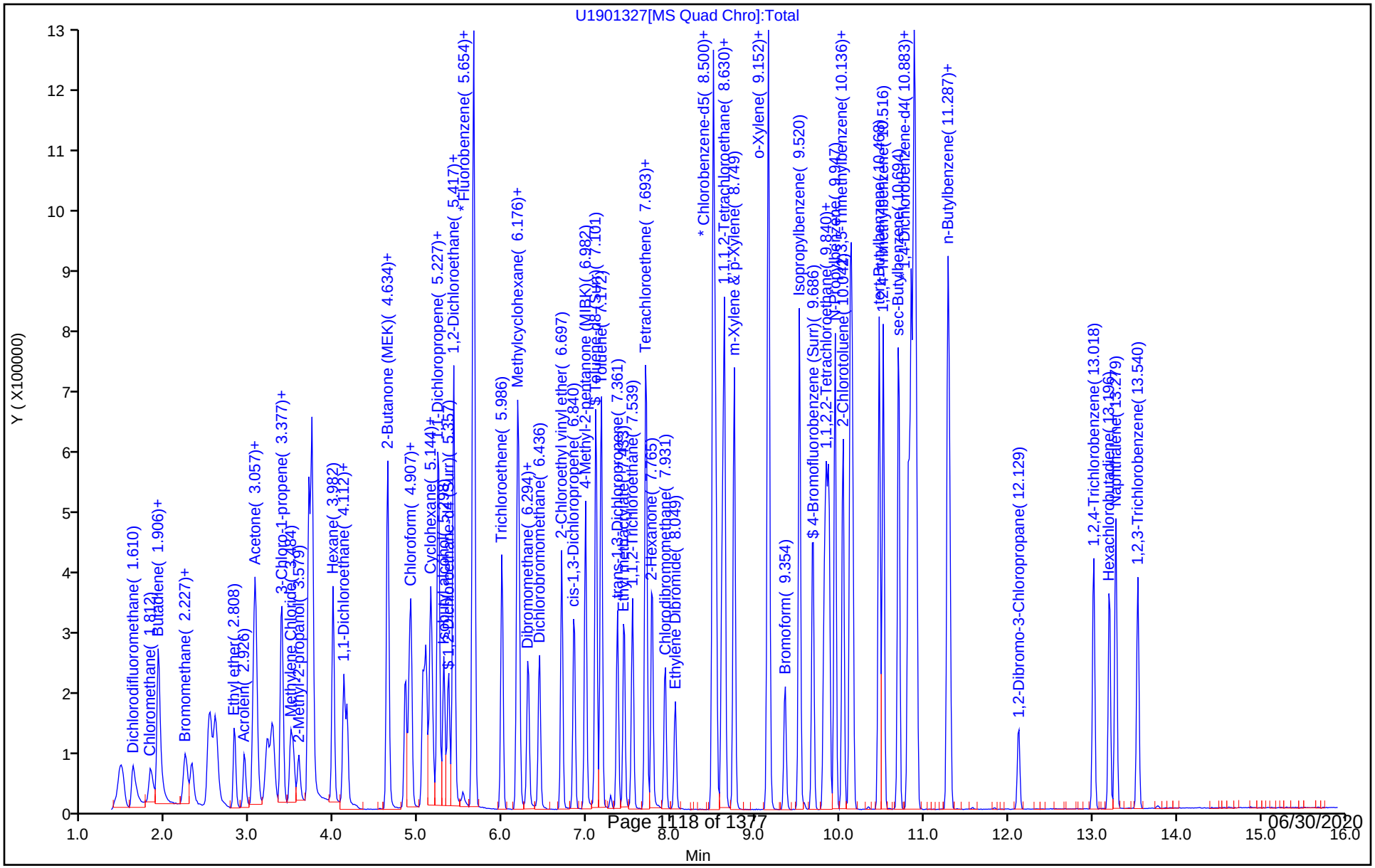
Report Date: 27-Aug-2018 21:28:34 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901327.d

Injection Date:	27-Aug-2018 18:38:57	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L3			Worklist Smp#:	11
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901328.d
Lims ID: std8260 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 27-Aug-2018 19:01:13 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2018 21:28:42 Calib Date: 27-Aug-2018 19:23:28
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: laveyt Date: 27-Aug-2018 19:32:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.653	5.654	-0.001	99	950066	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	83	741822	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	93	413134	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	60	13395	1.00	1.05	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.345	5.345	0.000	98	16187	1.00	1.10	
$ 6 Toluene-d8 (Surr)	98	7.100	7.101	0.000	84	44577	1.00	1.00	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	85	17494	1.00	1.05	
9 Dichlorodifluoromethane	85	1.598	1.610	-0.012	61	18328	1.00	1.00	
10 Chloromethane	50	1.811	1.812	-0.001	83	12972	1.00	0.9471	
12 Butadiene	54	1.894	1.906	-0.012	89	14115	1.00	1.03	
11 Vinyl chloride	62	1.918	1.918	0.000	47	14250	1.00	1.01	
13 Bromomethane	94	2.238	2.227	0.011	86	11360	1.00	1.02	
14 Chloroethane	64	2.297	2.298	-0.001	81	8387	1.00	0.9552	
15 Dichlorofluoromethane	67	2.511	2.499	0.012	76	21694	1.00	1.00	
16 Trichlorofluoromethane	101	2.582	2.582	0.000	84	23241	1.00	0.9817	
17 Ethyl ether	59	2.807	2.808	-0.001	83	9015	1.00	1.05	
18 Acrolein	56	2.926	2.926	0.000	86	10600	5.00	5.02	
21 1,1-Dichloroethene	61	3.045	3.045	0.000	86	16498	1.00	0.9676	
20 1,1,2-Trichloro-1,2,2-trif	101	3.045	3.057	-0.012	67	11240	1.00	0.9217	
22 Acetone	43	3.068	3.069	-0.001	90	8941	2.00	2.40	
23 Iodomethane	142	3.187	3.199	-0.012	96	22471	1.00	1.02	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Carbon disulfide	76	3.258	3.258	0.000	97	39223	1.00	1.10	
26 3-Chloro-1-propene	41	3.365	3.365	0.000	76	18227	1.00	1.08	
27 Methyl acetate	43	3.377	3.377	0.000	96	22480	2.00	2.03	
28 Methylene Chloride	49	3.483	3.495	-0.012	78	15126	1.00	1.12	
29 2-Methyl-2-propanol	59	3.566	3.567	-0.001	88	13140	10.0	10.2	
30 Acrylonitrile	53	3.697	3.685	0.012	99	49680	10.0	10.4	
32 trans-1,2-Dichloroethene	61	3.732	3.721	0.011	72	16818	1.00	1.05	
31 Methyl tert-butyl ether	73	3.732	3.733	-0.001	89	33109	1.00	1.00	
33 Hexane	57	3.981	3.982	-0.001	93	15276	1.00	0.9125	
34 1,1-Dichloroethane	63	4.112	4.112	0.000	76	19673	1.00	1.02	
35 Vinyl acetate	43	4.147	4.148	-0.001	96	21765	1.00	0.9877	
40 cis-1,2-Dichloroethene	96	4.622	4.622	0.000	70	14212	1.00	1.03	
41 2-Butanone (MEK)	72	4.634	4.634	0.000	91	4567	2.00	2.04	
39 2,2-Dichloropropane	77	4.634	4.634	0.000	58	11860	1.00	1.02	
45 Chlorobromomethane	49	4.835	4.836	-0.001	64	10266	1.00	1.11	
46 Tetrahydrofuran	42	4.883	4.883	0.000	85	20056	2.00	1.81	
47 Chloroform	83	4.906	4.907	-0.001	67	21044	1.00	1.00	
48 1,1,1-Trichloroethane	97	5.084	5.085	-0.001	84	19503	1.00	0.9837	
49 Cyclohexane	84	5.144	5.144	0.000	85	16696	1.00	0.9202	
50 1,1-Dichloropropene	75	5.227	5.227	0.000	88	16667	1.00	1.00	
51 Carbon tetrachloride	117	5.238	5.239	-0.001	77	17959	1.00	0.9397	
52 Isobutyl alcohol	41	5.298	5.298	0.000	78	14010	25.0	26.9	
54 1,2-Dichloroethane	62	5.416	5.417	-0.001	52	18266	1.00	1.07	
53 Benzene	78	5.416	5.417	-0.001	95	45349	1.00	1.00	
56 n-Heptane	57	5.653	5.642	0.011	38	39021	1.00	0.9553	
58 Trichloroethene	130	5.985	5.986	-0.001	90	14636	1.00	0.9750	
60 Methylcyclohexane	83	6.175	6.176	-0.001	87	20268	1.00	0.9296	
61 1,2-Dichloropropane	63	6.187	6.187	0.000	78	10172	1.00	0.9700	
63 Dibromomethane	174	6.294	6.294	0.000	83	11437	1.00	1.06	
64 1,4-Dioxane	88	6.306	6.306	0.000	1	1560	20.0	13.7	
65 Dichlorobromomethane	83	6.424	6.436	-0.012	86	17242	1.00	1.04	
67 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	90	15714	2.00	1.87	
68 cis-1,3-Dichloropropene	75	6.839	6.840	-0.001	72	18371	1.00	1.00	
69 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	81	29549	2.00	1.94	
70 Toluene	91	7.171	7.172	-0.001	86	50838	1.00	1.01	
71 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	79	18668	1.00	1.04	
72 Ethyl methacrylate	69	7.432	7.433	-0.001	70	14839	1.00	0.9209	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	87	10462	1.00	0.99	
75 Tetrachloroethene	166	7.693	7.693	0.000	95	15556	1.00	0.9725	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	79	17554	1.00	0.9855	
77 2-Hexanone	43	7.764	7.765	-0.001	94	22402	2.00	1.92	
79 Chlorodibromomethane	129	7.930	7.919	0.011	80	12969	1.00	0.9758	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
80 Ethylene Dibromide	107	8.049	8.049	0.000	85	12317	1.00	0.99	
82 Chlorobenzene	112	8.523	8.524	-0.001	60	36469	1.00	1.06	
83 1,1,1,2-Tetrachloroethane	131	8.606	8.607	-0.001	75	12290	1.00	0.99	
84 Ethylbenzene	106	8.630	8.630	0.000	97	17209	1.00	0.9594	
85 m-Xylene & p-Xylene	106	8.749	8.749	0.000	99	20530	1.00	0.9397	
86 o-Xylene	106	9.152	9.152	0.000	87	20689	1.00	1.00	
87 Styrene	104	9.164	9.164	0.000	92	33591	1.00	0.9446	
88 Bromoform	173	9.353	9.354	-0.001	89	10783	1.00	0.99	
89 Isopropylbenzene	105	9.519	9.520	-0.001	93	55346	1.00	0.99	
91 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	75	16261	1.00	1.02	
92 Bromobenzene	156	9.840	9.840	0.000	89	16361	1.00	1.03	
93 1,2,3-Trichloropropane	110	9.863	9.864	-0.001	66	5997	1.00	0.99	
94 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	38	5707	1.00	1.01	
95 N-Propylbenzene	120	9.946	9.947	-0.001	95	15476	1.00	0.9694	
96 2-Chlorotoluene	126	10.041	10.041	0.000	92	12831	1.00	0.9496	
97 1,3,5-Trimethylbenzene	105	10.124	10.124	0.000	91	43584	1.00	0.9481	
98 4-Chlorotoluene	126	10.148	10.148	0.000	97	14345	1.00	0.9819	
99 tert-Butylbenzene	119	10.468	10.468	0.000	73	41850	1.00	0.9590	
101 1,2,4-Trimethylbenzene	105	10.515	10.516	-0.001	67	46663	1.00	1.00	
102 sec-Butylbenzene	105	10.693	10.694	-0.001	92	55760	1.00	0.9489	
103 1,3-Dichlorobenzene	146	10.812	10.812	0.000	11	31057	1.00	1.06	
104 4-Isopropyltoluene	119	10.848	10.848	0.000	77	49391	1.00	0.9596	
105 1,4-Dichlorobenzene	146	10.907	10.907	0.000	49	32379	1.00	1.07	
108 n-Butylbenzene	91	11.286	11.287	-0.001	95	41792	1.00	0.9871	
109 1,2-Dichlorobenzene	146	11.310	11.298	0.012	93	28272	1.00	1.07	
110 1,2-Dibromo-3-Chloropropan	157	12.128	12.129	-0.001	57	4583	1.00	0.9054	
112 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	83	19612	1.00	1.11	
113 Hexachlorobutadiene	225	13.207	13.208	-0.001	72	10037	1.00	1.11	
114 Naphthalene	128	13.279	13.279	0.000	94	52154	1.00	1.07	
115 1,2,3-Trichlorobenzene	180	13.539	13.540	-0.001	86	17097	1.00	1.08	
S 164 Total BTEX	1				0		5.00	4.91	
S 127 Trihalomethanes, Total	1				0		4.00	4.01	
S 124 1,2-Dichloroethene, Total	96				0			2.08	
S 125 1,3-Dichloropropene, Total	75				0			2.05	
S 126 Xylenes, Total	106				0		2.00	1.94	

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmrgas_00259	Amount Added:	0.80	Units: uL
vmarolistdw_00260	Amount Added:	0.80	Units: uL
vmrprimw_00297	Amount Added:	0.80	Units: uL
vm50ss_00333	Amount Added:	0.80	Units: uL

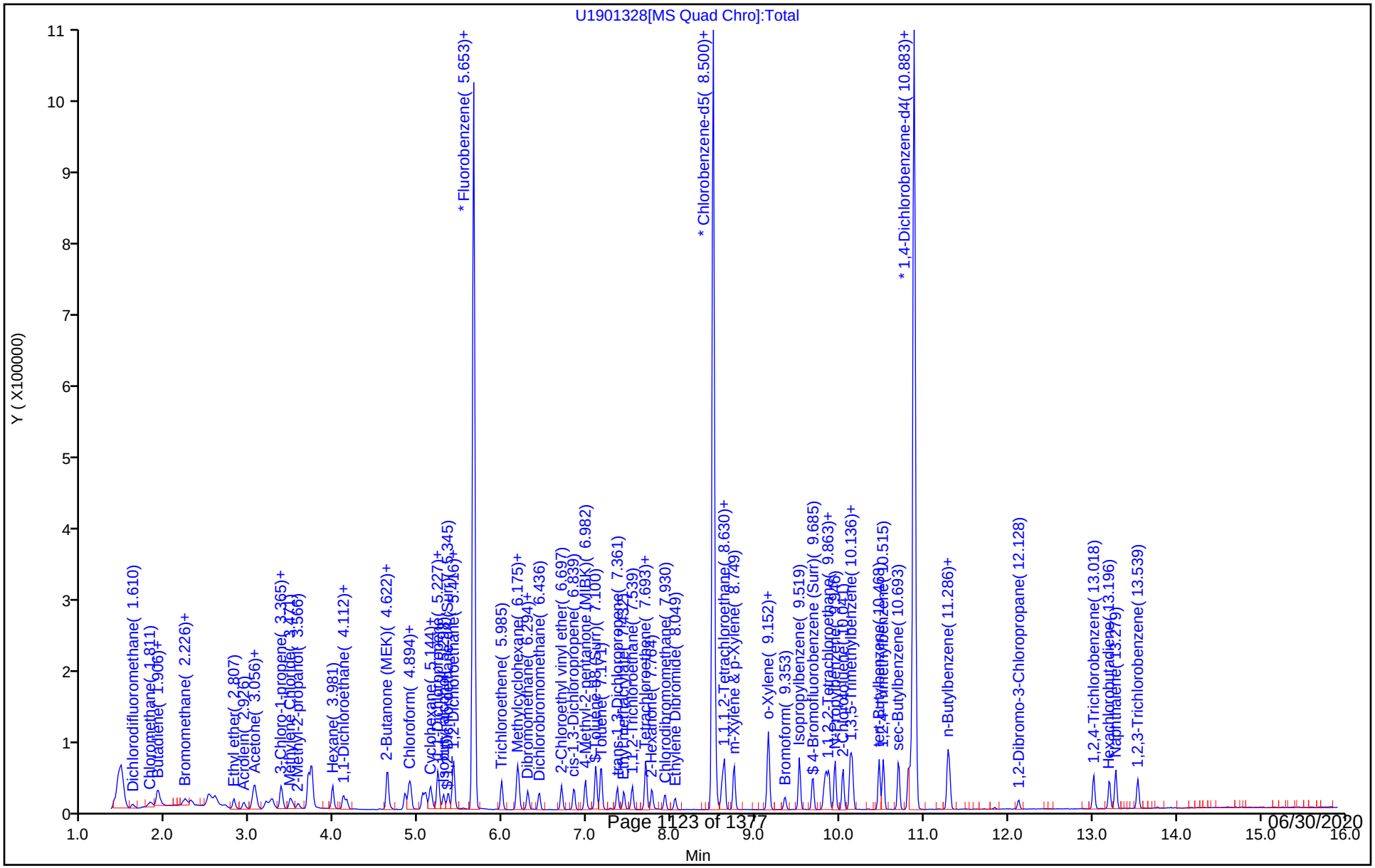
Report Date: 27-Aug-2018 21:28:46 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901328.d

Injection Date:	27-Aug-2018 19:01:13	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L2			Worklist Smp#:	12
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d
Lims ID: std8260 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 27-Aug-2018 19:23:28 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2018 21:28:54 Calib Date: 27-Aug-2018 19:23:28
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: laveyt Date: 27-Aug-2018 19:52:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	99	938021	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	83	738667	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	93	405345	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	56	6919	0.5000	0.5480	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.357	5.345	0.012	94	8242	0.5000	0.5683	
$ 6 Toluene-d8 (Surr)	98	7.100	7.101	0.000	74	23636	0.5000	0.5336	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	82	9778	0.5000	0.5866	
9 Dichlorodifluoromethane	85	1.622	1.610	0.012	56	7625	0.5000	0.4223	
10 Chloromethane	50	1.812	1.812	0.000	70	8152	0.5000	0.6028	
12 Butadiene	54	1.906	1.906	0.000	92	6713	0.5000	0.4958	
11 Vinyl chloride	62	1.942	1.918	0.024	39	6564	0.5000	0.4697	
13 Bromomethane	94	2.227	2.227	0.000	83	5934	0.5000	0.5419	
14 Chloroethane	64	2.310	2.298	0.012	73	4812	0.5000	0.5551	
15 Dichlorofluoromethane	67	2.511	2.499	0.012	55	11593	0.5000	0.5395	
16 Trichlorofluoromethane	101	2.582	2.582	0.000	76	11587	0.5000	0.4957	
17 Ethyl ether	59	2.808	2.808	0.000	84	4060	0.5000	0.4810	
18 Acrolein	56	2.938	2.926	0.012	73	5804	2.50	2.78	
21 1,1-Dichloroethene	61	3.045	3.045	0.000	72	8152	0.5000	0.4842	
20 1,1,2-Trichloro-1,2,2-trif	101	3.057	3.057	0.000	55	5847	0.5000	0.4856	
22 Acetone	43		3.069				ND	ND	U
23 Iodomethane	142	3.199	3.199	0.000	93	11424	0.5000	0.5233	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Carbon disulfide	76	3.258	3.258	0.000	95	20511	0.5000	0.5820	
26 3-Chloro-1-propene	41	3.365	3.365	0.000	70	8759	0.5000	0.5274	
27 Methyl acetate	43	3.389	3.377	0.012	94	12374	1.00	1.13	
28 Methylene Chloride	49		3.495				ND	ND	U
29 2-Methyl-2-propanol	59	3.578	3.567	0.011	76	7089	5.00	5.58	
30 Acrylonitrile	53	3.697	3.685	0.012	98	23600	5.00	5.00	
32 trans-1,2-Dichloroethene	61	3.733	3.721	0.012	68	8368	0.5000	0.5268	
31 Methyl tert-butyl ether	73	3.733	3.733	0.000	83	15146	0.5000	0.4655	
33 Hexane	57	3.982	3.982	0.000	81	7709	0.5000	0.4664	
34 1,1-Dichloroethane	63	4.112	4.112	0.000	57	9092	0.5000	0.4789	
35 Vinyl acetate	43	4.148	4.148	0.000	96	10910	0.5000	0.5015	
40 cis-1,2-Dichloroethene	96	4.634	4.622	0.012	63	7168	0.5000	0.5287	
39 2,2-Dichloropropane	77	4.634	4.634	0.000	48	5791	0.5000	0.5065	
41 2-Butanone (MEK)	72	4.634	4.634	0.000	82	2283	1.00	1.03	
45 Chlorobromomethane	49	4.847	4.836	0.011	57	5503	0.5000	0.6031	
46 Tetrahydrofuran	42		4.883				ND	ND	U
47 Chloroform	83	4.907	4.907	0.000	71	10169	0.5000	0.4891	
48 1,1,1-Trichloroethane	97	5.085	5.085	0.000	78	8767	0.5000	0.4479	
49 Cyclohexane	84	5.144	5.144	0.000	85	8206	0.5000	0.4581	
50 1,1-Dichloropropene	75	5.227	5.227	0.000	80	7998	0.5000	0.4846	
51 Carbon tetrachloride	117	5.239	5.239	0.000	77	8954	0.5000	0.4745	
52 Isobutyl alcohol	41	5.298	5.298	0.000	52	7140	12.5	13.9	
53 Benzene	78	5.417	5.417	0.000	95	21738	0.5000	0.4870	
54 1,2-Dichloroethane	62	5.428	5.417	0.011	58	8896	0.5000	0.5268	
56 n-Heptane	57		5.642				ND	ND	U
58 Trichloroethene	130	5.986	5.986	0.000	77	7819	0.5000	0.5276	
60 Methylcyclohexane	83	6.176	6.176	0.000	85	10042	0.5000	0.4665	
61 1,2-Dichloropropane	63	6.187	6.187	0.000	64	5092	0.5000	0.4918	
63 Dibromomethane	174	6.306	6.294	0.012	66	5652	0.5000	0.5307	
64 1,4-Dioxane	88		6.306				ND	ND	U
65 Dichlorobromomethane	83	6.436	6.436	0.000	75	7972	0.5000	0.4885	
67 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	83	7473	1.00	0.9000	
68 cis-1,3-Dichloropropene	75	6.840	6.840	0.000	60	8778	0.5000	0.4843	
69 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	90	14774	1.00	0.9834	
70 Toluene	91	7.172	7.172	0.000	94	25413	0.5000	0.5091	
71 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	76	9232	0.5000	0.5188	
72 Ethyl methacrylate	69	7.433	7.433	0.000	70	7062	0.5000	0.4401	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	79	5186	0.5000	0.4942	
75 Tetrachloroethene	166	7.693	7.693	0.000	86	7818	0.5000	0.4908	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	72	9211	0.5000	0.5193	
77 2-Hexanone	43	7.765	7.765	0.000	88	10272	1.00	0.8832	
79 Chlorodibromomethane	129	7.931	7.919	0.012	54	6108	0.5000	0.4615	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
80 Ethylene Dibromide	107	8.049	8.049	0.000	74	6962	0.5000	0.5633	
82 Chlorobenzene	112	8.524	8.524	0.000	45	17303	0.5000	0.5063	
83 1,1,1,2-Tetrachloroethane	131	8.607	8.607	0.000	55	5956	0.5000	0.4834	
84 Ethylbenzene	106	8.630	8.630	0.000	94	8431	0.5000	0.4721	
85 m-Xylene & p-Xylene	106	8.749	8.749	0.000	96	10542	0.5000	0.4846	
86 o-Xylene	106	9.140	9.152	-0.012	88	9580	0.5000	0.4635	
87 Styrene	104	9.164	9.164	0.000	83	16463	0.5000	0.4649	
88 Bromoform	173	9.354	9.354	0.000	77	5340	0.5000	0.4930	
89 Isopropylbenzene	105	9.520	9.520	0.000	90	25288	0.5000	0.4556	
91 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	62	7218	0.5000	0.4621	
92 Bromobenzene	156	9.840	9.840	0.000	88	7663	0.5000	0.4917	
93 1,2,3-Trichloropropane	110	9.864	9.864	0.000	66	2842	0.5000	0.4801	
94 trans-1,4-Dichloro-2-buten	53		9.875				ND	ND	U
95 N-Propylbenzene	120	9.947	9.947	0.000	91	7103	0.5000	0.4535	
96 2-Chlorotoluene	126	10.041	10.041	0.000	82	6213	0.5000	0.4687	
97 1,3,5-Trimethylbenzene	105	10.124	10.124	0.000	91	21381	0.5000	0.4740	
98 4-Chlorotoluene	126	10.148	10.148	0.000	91	7405	0.5000	0.5166	
99 tert-Butylbenzene	119	10.468	10.468	0.000	70	19348	0.5000	0.4519	
101 1,2,4-Trimethylbenzene	105	10.516	10.516	0.000	63	21277	0.5000	0.4653	
102 sec-Butylbenzene	105	10.694	10.694	0.000	88	26267	0.5000	0.4556	
103 1,3-Dichlorobenzene	146	10.824	10.812	0.012	1	14989	0.5000	0.5237	a
104 4-Isopropyltoluene	119	10.848	10.848	0.000	68	23262	0.5000	0.4606	
105 1,4-Dichlorobenzene	146	10.907	10.907	0.000	39	16269	0.5000	0.5502	
108 n-Butylbenzene	91	11.287	11.287	0.000	91	19197	0.5000	0.4622	
109 1,2-Dichlorobenzene	146	11.298	11.298	0.000	87	13617	0.5000	0.5240	
110 1,2-Dibromo-3-Chloropropan	157	12.129	12.129	0.000	31	2665	0.5000	0.5366	
112 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	63	9535	0.5000	0.5502	
113 Hexachlorobutadiene	225	13.208	13.208	0.000	55	4814	0.5000	0.5408	
114 Naphthalene	128		13.279				ND	ND	U
115 1,2,3-Trichlorobenzene	180	13.540	13.540	0.000	72	7998	0.5000	0.5140	
S 127 Trihalomethanes, Total	1				0		2.00	1.93	
S 164 Total BTEX	1				0		2.50	2.42	
S 124 1,2-Dichloroethene, Total	96				0			1.06	
S 125 1,3-Dichloropropene, Total	75				0			1.00	
S 126 Xylenes, Total	106				0		1.00	0.9480	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

vm50is_stk_A_00001	Amount Added:	2.00	Units: uL
vmrgas_00259	Amount Added:	0.40	Units: uL
vmarolistdw_00260	Amount Added:	0.40	Units: uL
vmrprimw_00297	Amount Added:	0.40	Units: uL
vm50ss_00333	Amount Added:	0.40	Units: uL

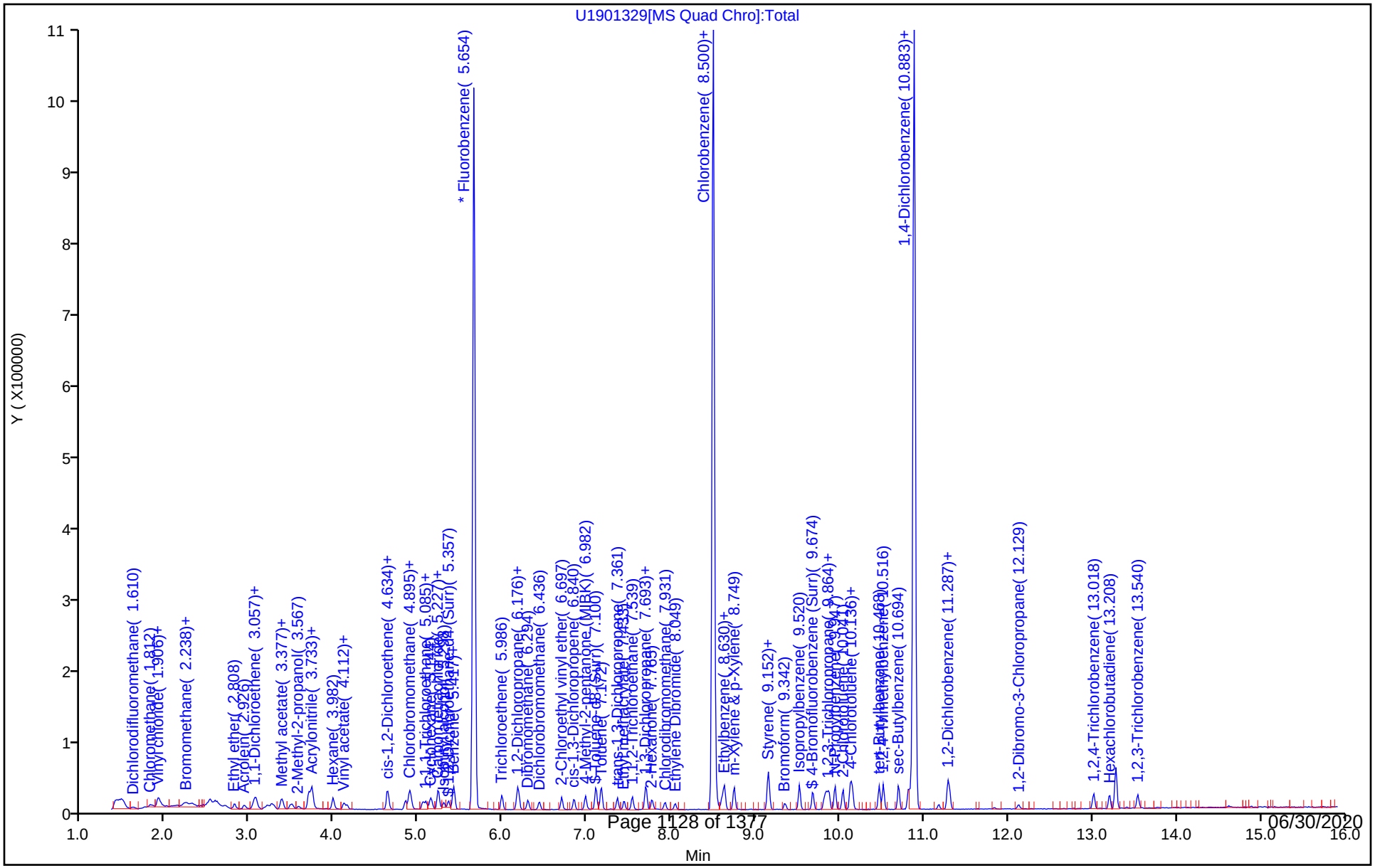
Report Date: 27-Aug-2018 21:29:03 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d

Injection Date:	27-Aug-2018 19:23:28	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L1			Worklist Smp#:	13
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Canton

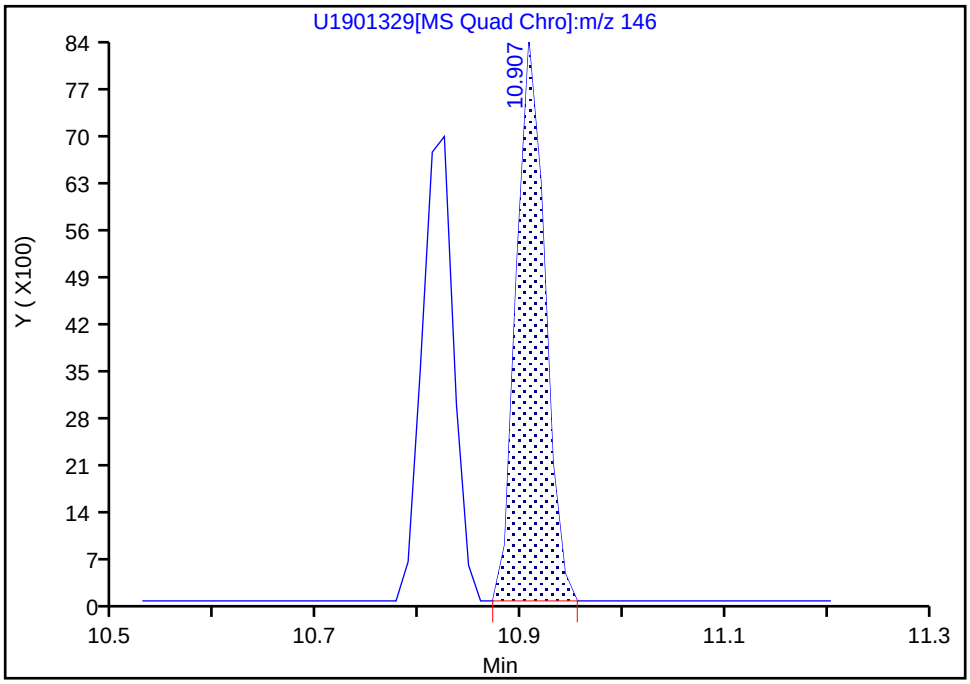
Data File:	\\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d				
Injection Date:	27-Aug-2018 19:23:28	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

103 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

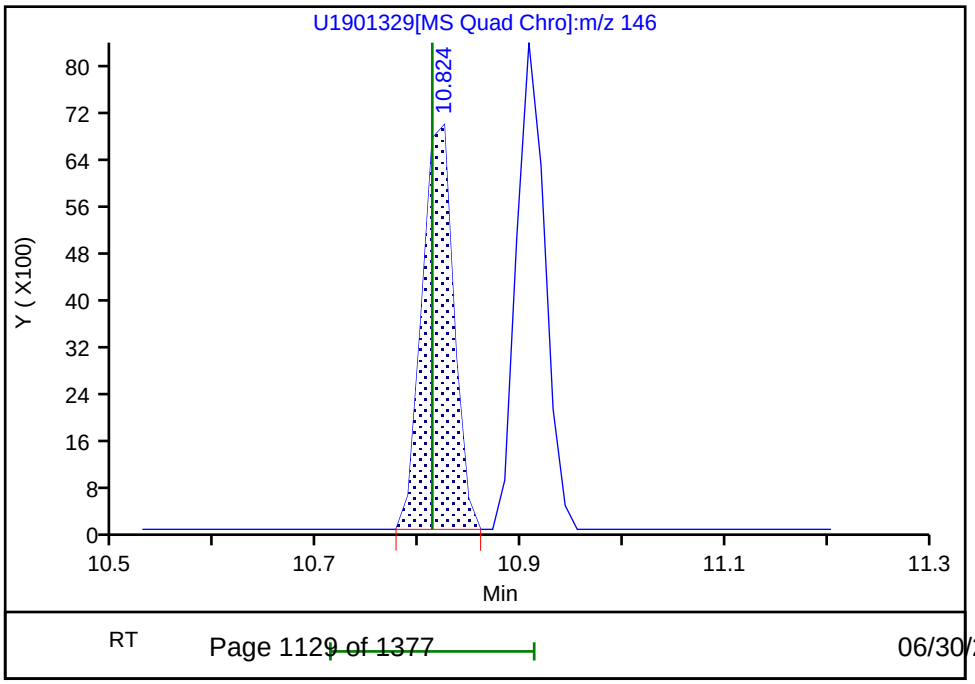
Processing Integration Results

RT: 10.91
Area: 16269
Amount: 0.561209
Amount Units: ug/l



Manual Integration Results

RT: 10.82
Area: 14989
Amount: 0.523661
Amount Units: ug/l



Reviewer: laveyt, 27-Aug-2018 19:47:35

User Disabled Compound Report

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d

Injection Date: 27-Aug-2018 19:23:28 Instrument ID: A3UX19

Lims ID: std8260 L1

Client ID:

Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 13

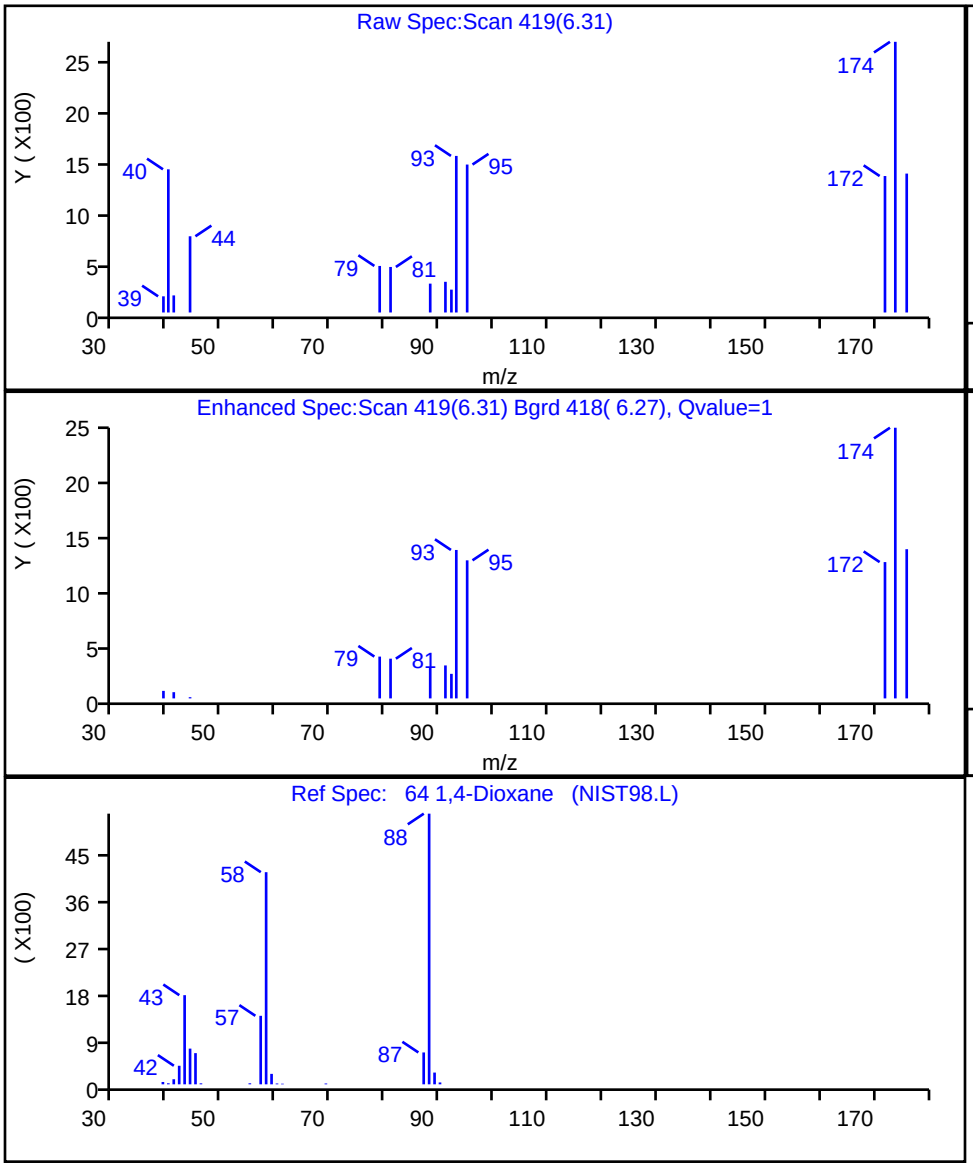
Injection Vol: 5.0 mL Dil. Factor: 1.0000

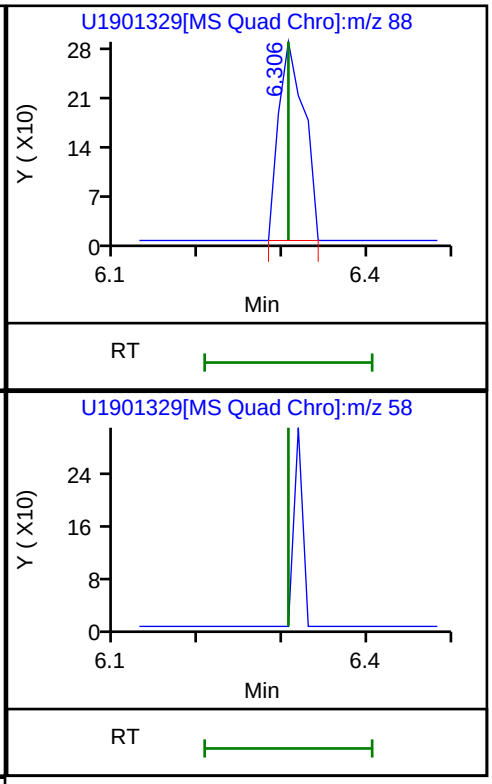
Method: 8260_19 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm) Detector MS SCAN

64 1,4-Dioxane, CAS: 123-91-1

Processing Results





RT	Mass	Response	Amount
6.31	88.00	601	11.604682
6.31	58.00	0	

Reviewer: laveyt, 27-Aug-2018 19:49:09

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

User Disabled Compound Report

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d

Injection Date: 27-Aug-2018 19:23:28 Instrument ID: A3UX19

Lims ID: std8260 L1

Client ID:

Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 13

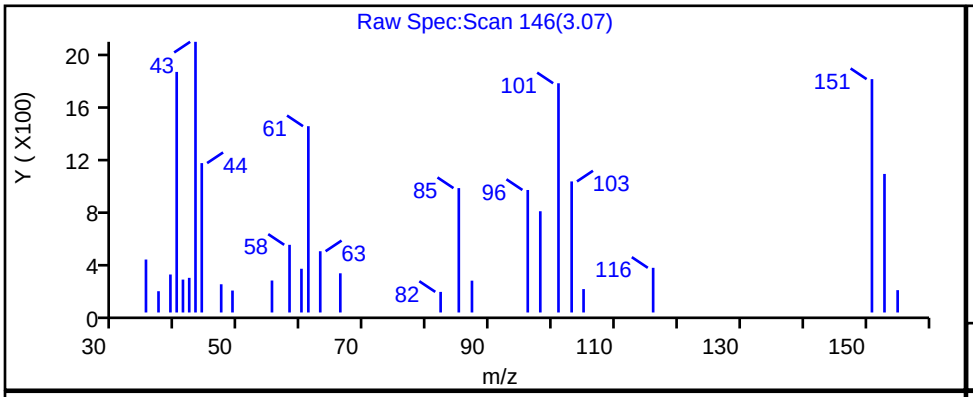
Injection Vol: 5.0 mL Dil. Factor: 1.0000

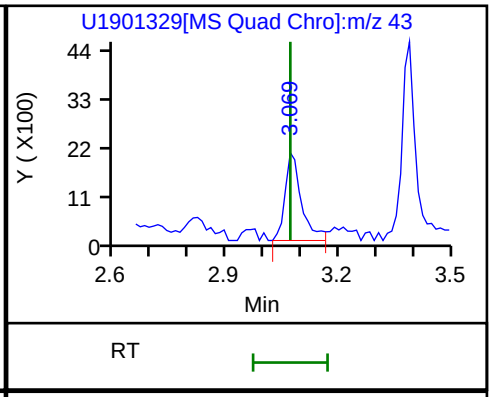
Method: 8260_19 Limit Group: MSV 8260C ICAL

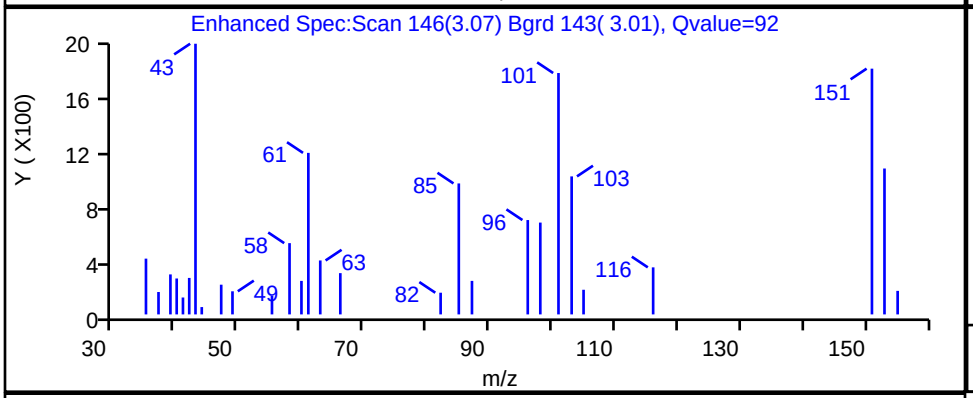
Column: DB-624 (0.18 mm) Detector MS SCAN

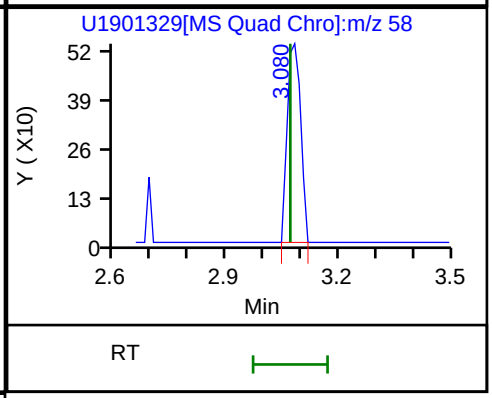
22 Acetone, CAS: 67-64-1

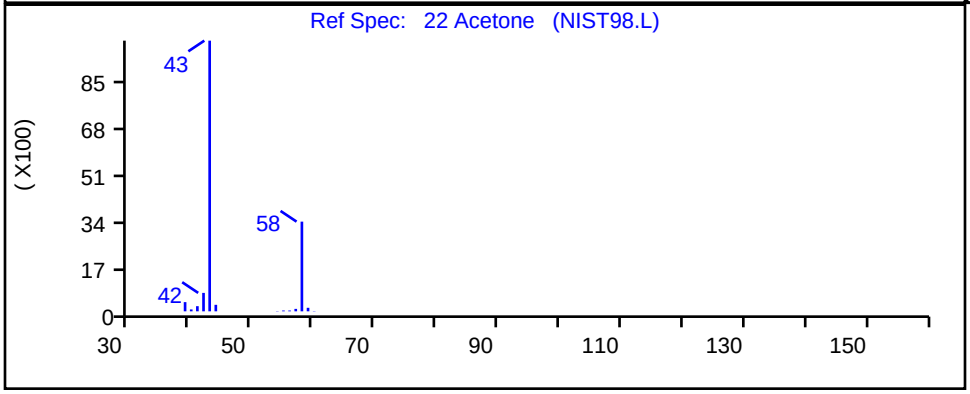
Processing Results











RT	Mass	Response	Amount
3.07	43.00	6224	1.077444
3.08	58.00	1333	

Reviewer: laveyt, 27-Aug-2018 19:48:05

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

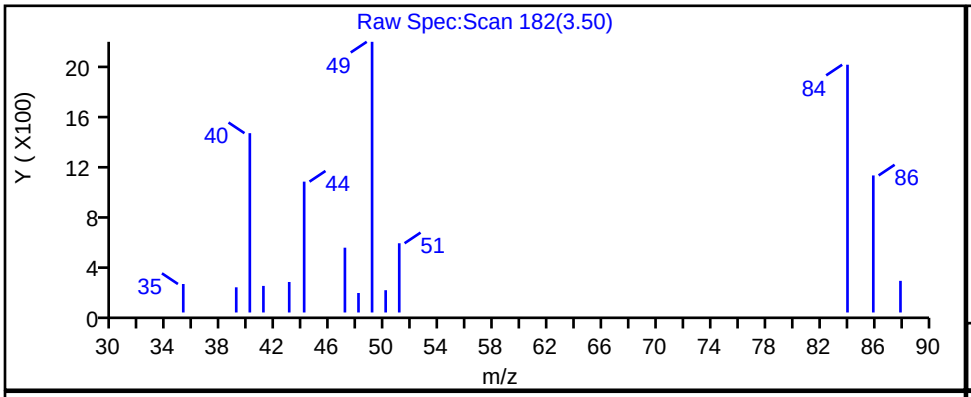
User Disabled Compound Report

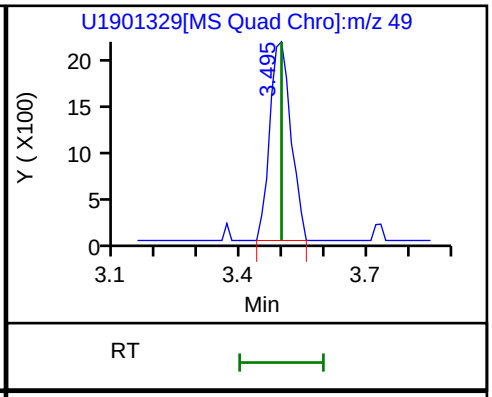
TestAmerica Canton

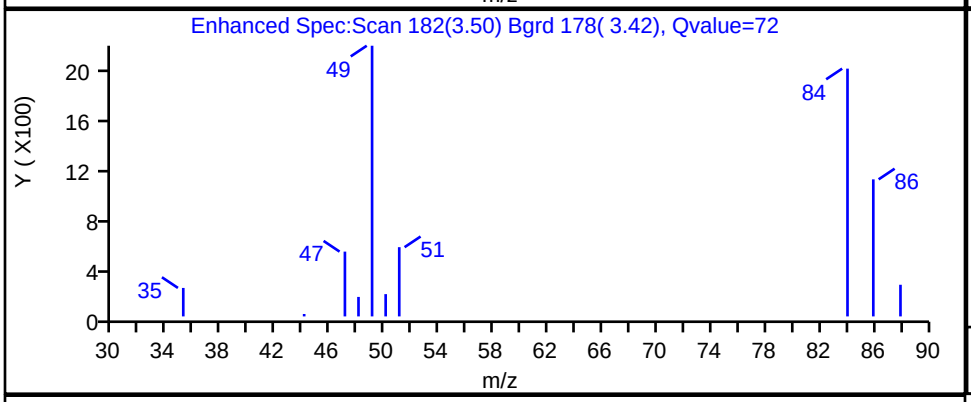
Data File:	\\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d		
Injection Date:	27-Aug-2018 19:23:28	Instrument ID:	A3UX19
Lims ID:	std8260 L1		
Client ID:			
Operator ID:	001904	ALS Bottle#:	0 Worklist Smp#: 13
Injection Vol:	5.0 mL	Dil. Factor:	1.0000
Method:	8260_19	Limit Group:	MSV 8260C ICAL
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

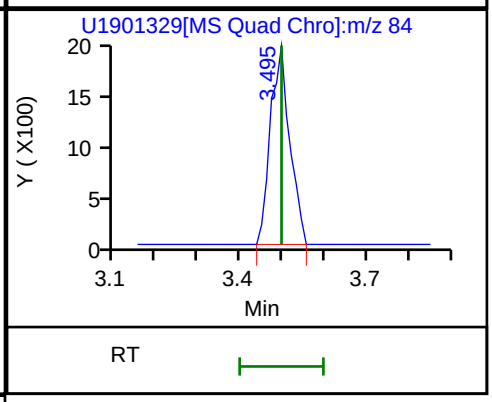
28 Methylene Chloride, CAS: 75-09-2

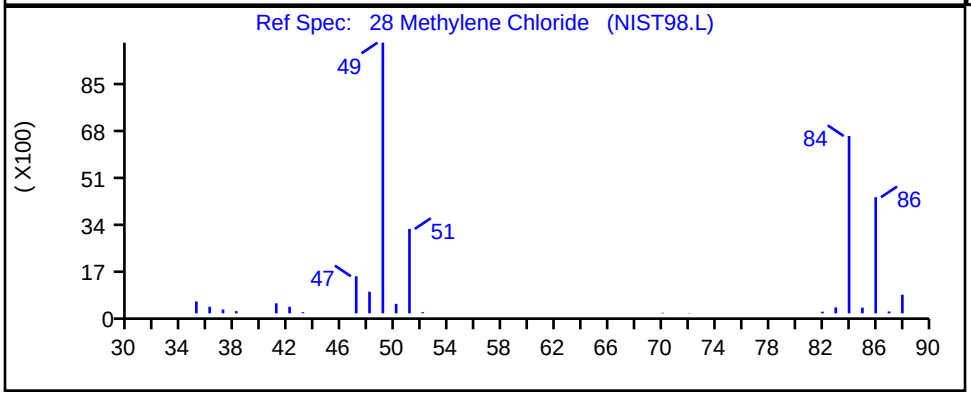
Processing Results











RT	Mass	Response	Amount
3.50	49.00	7484	0.551047
3.50	84.00	6258	

Reviewer: laveyt, 27-Aug-2018 19:48:14

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

User Disabled Compound Report

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d

Injection Date: 27-Aug-2018 19:23:28 Instrument ID: A3UX19

Lims ID: std8260 L1

Client ID:

Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 13

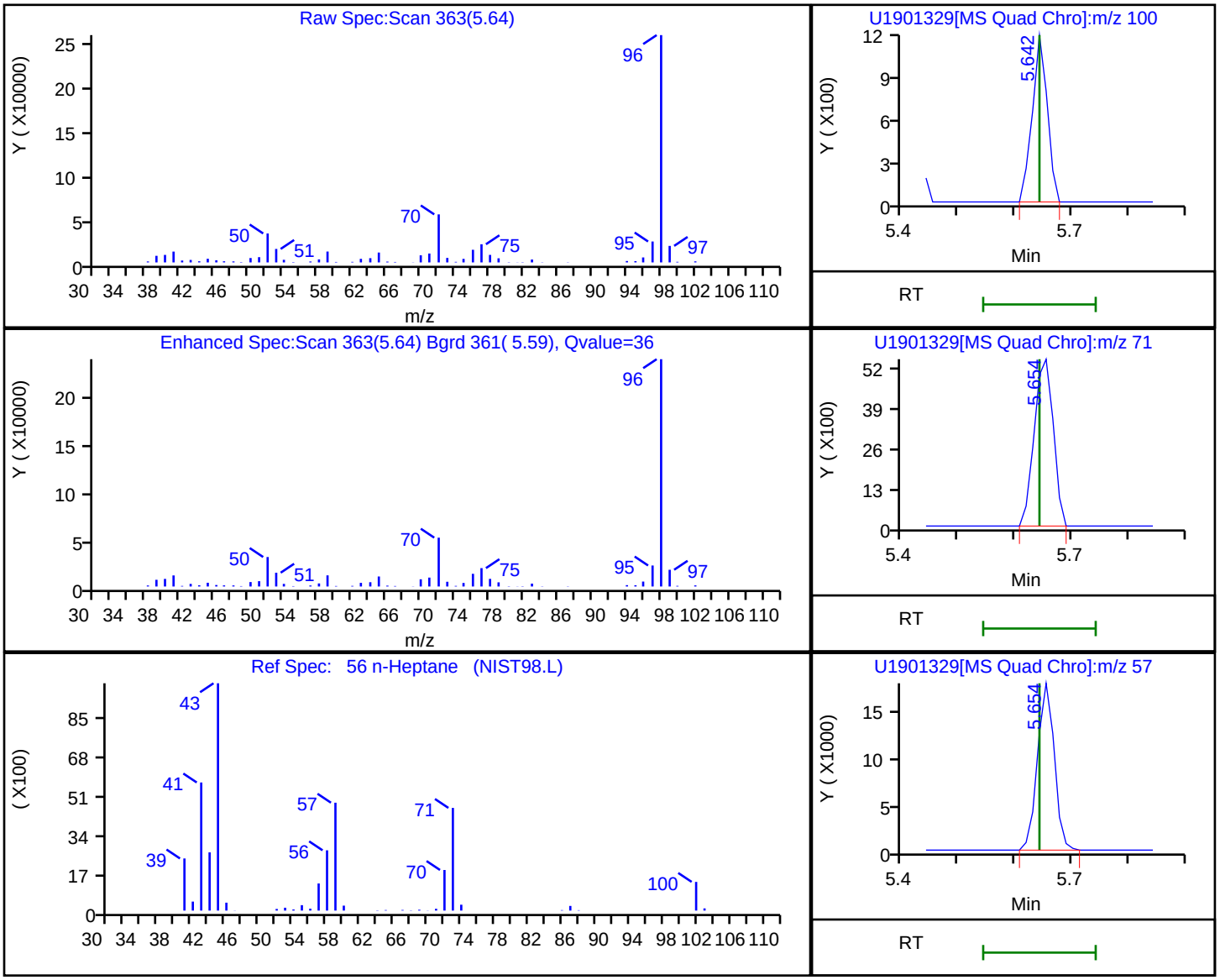
Injection Vol: 5.0 mL Dil. Factor: 1.0000

Method: 8260_19 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm) Detector MS SCAN

56 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
5.64	100.00	2131	
5.65	71.00	12900	
5.65	57.00	35542	0.539390

Reviewer: laveyt, 27-Aug-2018 19:48:44

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

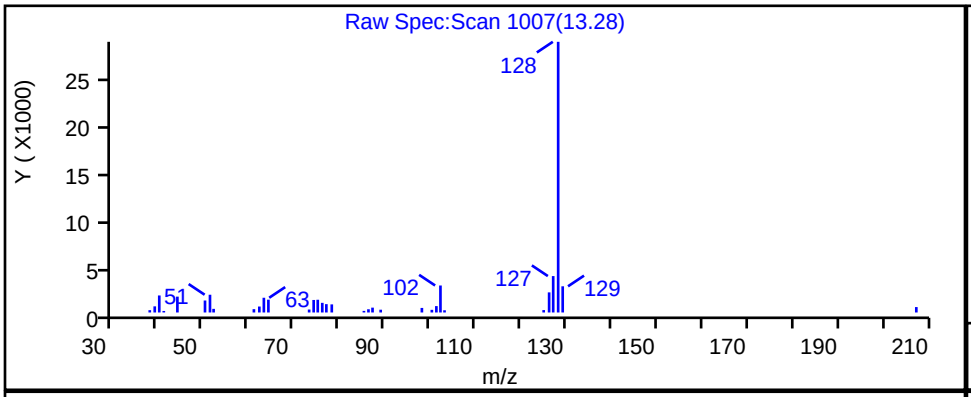
User Disabled Compound Report

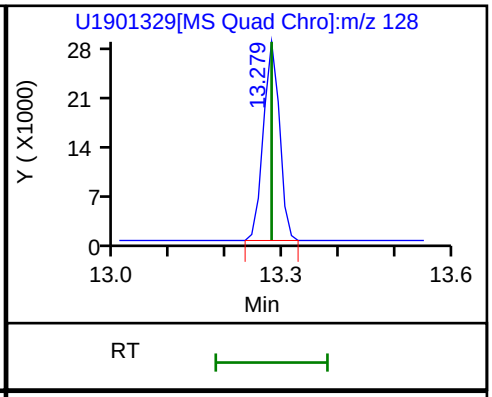
TestAmerica Canton

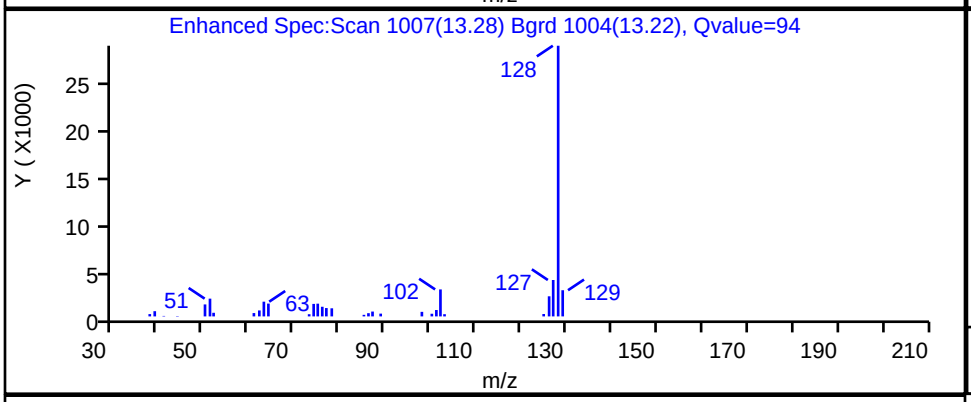
Data File:	\\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d				
Injection Date:	27-Aug-2018 19:23:28	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

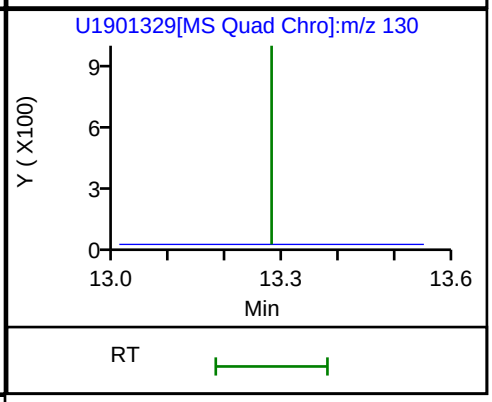
114 Naphthalene, CAS: 91-20-3

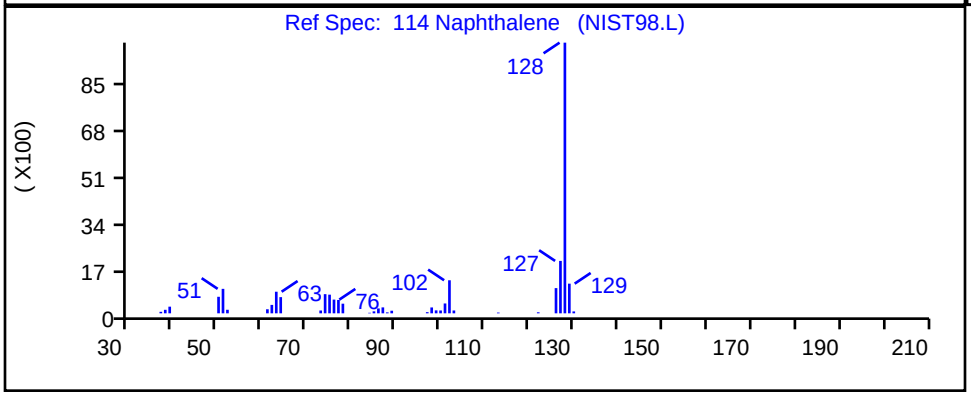
Processing Results











RT	Mass	Response	Amount
13.28	128.00	56279	0.769368
13.28	130.00	0	

Reviewer: laveyt, 27-Aug-2018 20:00:12

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

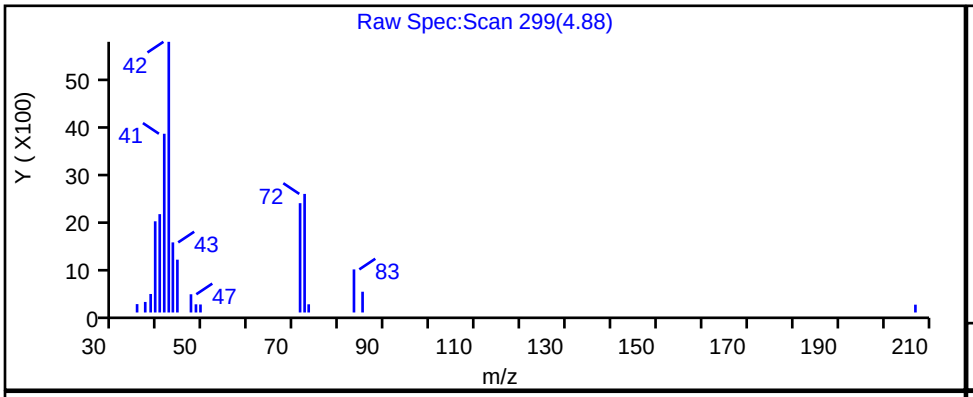
User Disabled Compound Report

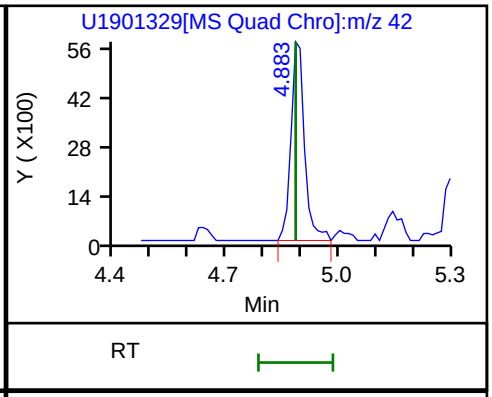
TestAmerica Canton

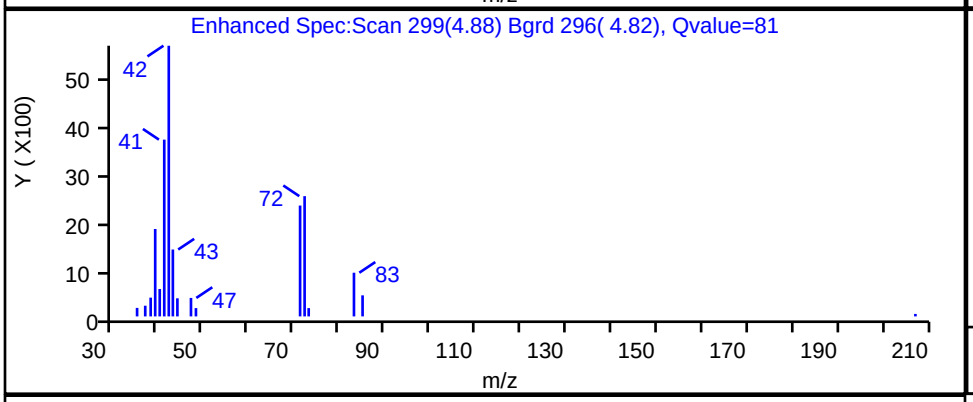
Data File:	\\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d				
Injection Date:	27-Aug-2018 19:23:28	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

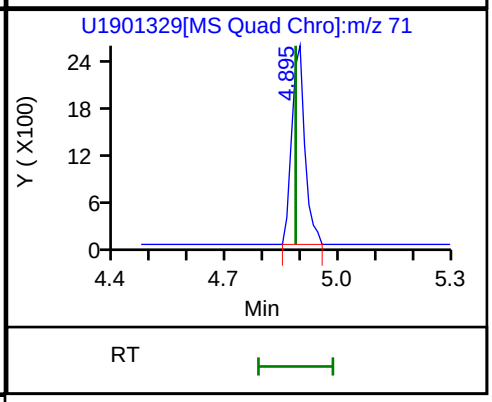
46 Tetrahydrofuran, CAS: 109-99-9

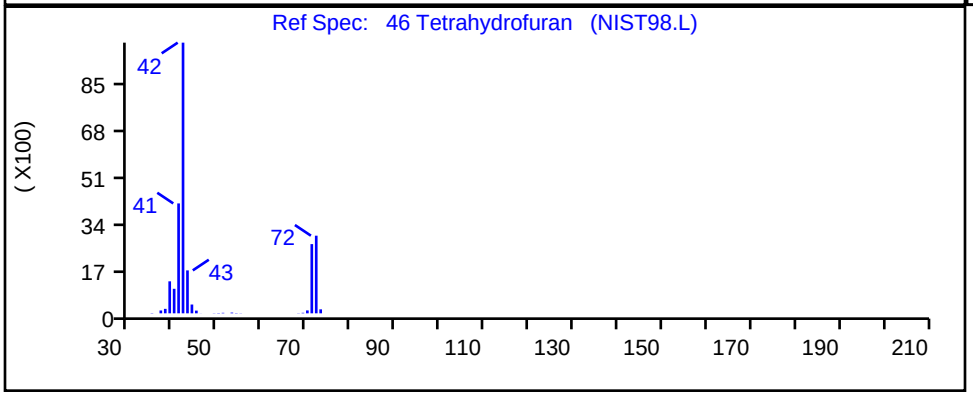
Processing Results











RT	Mass	Response	Amount
4.88	42.00	14557	0.882444
4.89	71.00	6288	

Reviewer: laveyt, 27-Aug-2018 19:48:29

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

User Disabled Compound Report

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d

Injection Date: 27-Aug-2018 19:23:28 Instrument ID: A3UX19

Lims ID: std8260 L1

Client ID:

Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 13

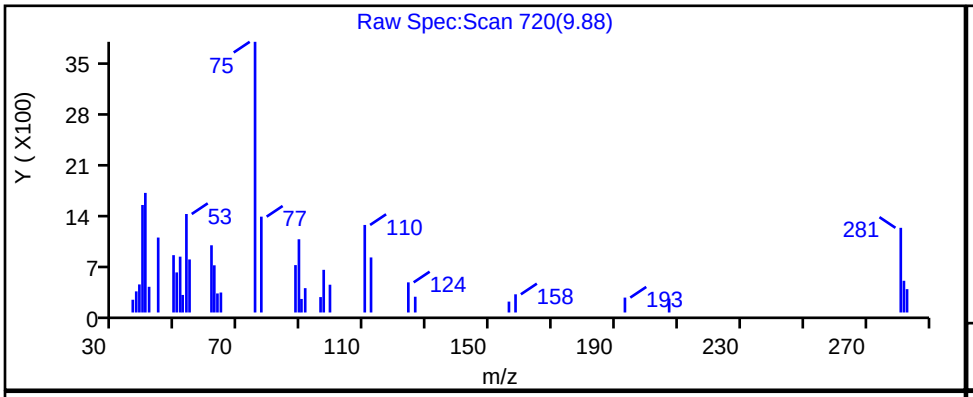
Injection Vol: 5.0 mL Dil. Factor: 1.0000

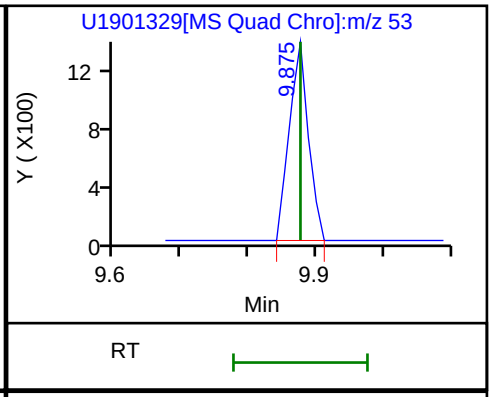
Method: 8260_19 Limit Group: MSV 8260C ICAL

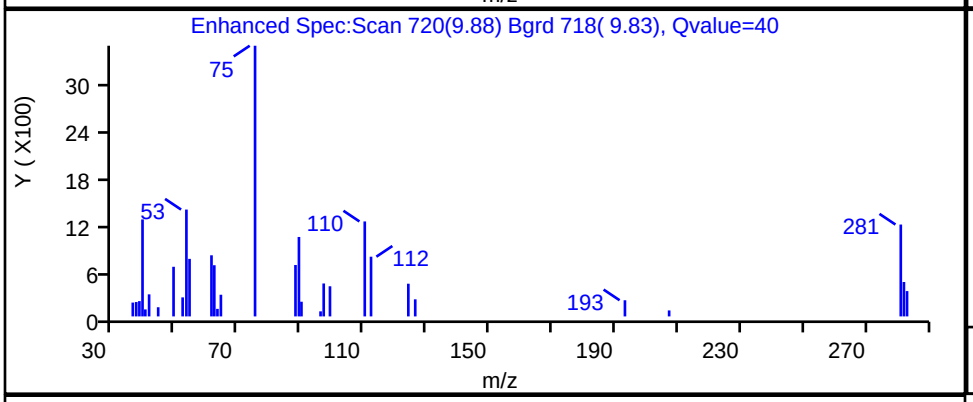
Column: DB-624 (0.18 mm) Detector MS SCAN

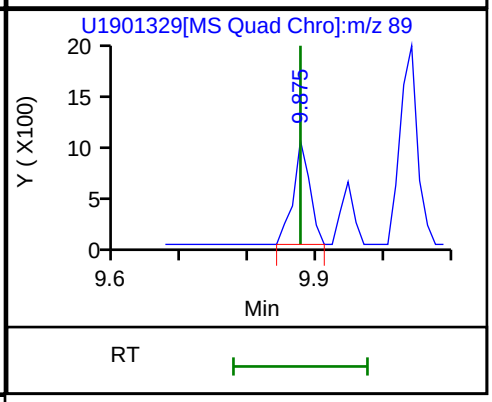
94 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

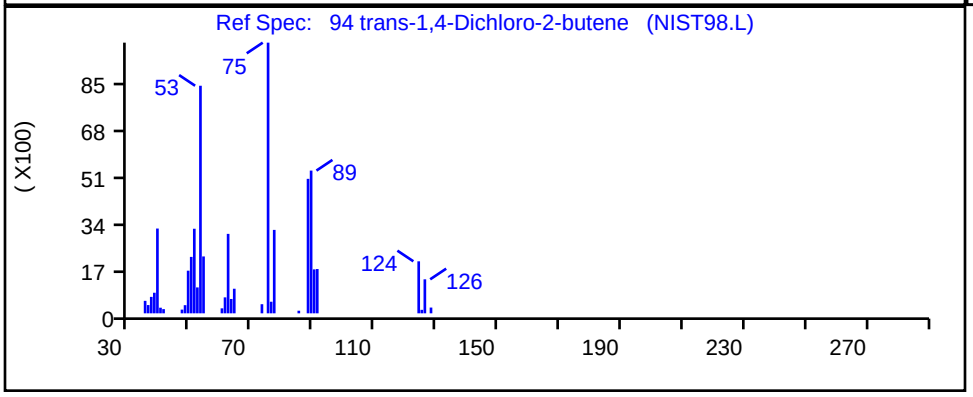
Processing Results











RT	Mass	Response	Amount
9.88	53.00	2712	0.490436
9.88	89.00	1752	

Reviewer: laveyt, 27-Aug-2018 19:50:09

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

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-378870/15 Calibration Date: 04/30/2019 16:46

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 14:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 16:24

Lab File ID: U1269802.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3850	0.3222	0.1000	0.0167	0.0200	-16.3	30.0
Chloromethane	Ave	0.3374	0.3285	0.1000	0.0195	0.0200	-2.6	30.0
Butadiene	Ave	0.3709	0.3353		0.0181	0.0200	-9.6	30.0
Vinyl chloride	Ave	0.3771	0.3787	0.1000	0.0201	0.0200	0.4	30.0
Bromomethane	Ave	0.2328	0.2224	0.0500	0.0191	0.0200	-4.4	30.0
Chloroethane	Ave	0.2368	0.2302	0.0500	0.0194	0.0200	-2.8	30.0
Dichlorofluoromethane	Ave	0.4732	0.4997		0.0211	0.0200	5.6	30.0
Trichlorofluoromethane	Ave	0.4204	0.4076	0.1000	0.0194	0.0200	-3.0	30.0
Ethyl ether	Ave	0.2526	0.2615		0.0207	0.0200	3.5	30.0
Acrolein	Ave	0.0755	0.0650		0.0861	0.100	-13.9	30.0
1,1-Dichloroethene	Ave	0.4135	0.4227	0.1000	0.0204	0.0200	2.2	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2737	0.2804	0.0500	0.0205	0.0200	2.5	30.0
Acetone	Lin1		0.1555	0.0100	0.0423	0.0400	5.7	50.0
Iodomethane	Ave	0.4395	0.4317		0.0196	0.0200	-1.8	30.0
Carbon disulfide	Ave	0.9516	0.8606	0.1000	0.0181	0.0200	-9.6	30.0
3-Chloro-1-propene	Ave	0.4714	0.4556		0.0193	0.0200	-3.3	30.0
Methyl acetate	Ave	0.3480	0.3354	0.1000	0.0385	0.0400	-3.6	50.0
Methylene Chloride	Lin1		0.3744	0.1000	0.0195	0.0200	-2.5	50.0
tert-Butyl alcohol	Ave	0.0732	0.0784		0.214	0.200	7.1	30.0
Acrylonitrile	Ave	0.1811	0.1775		0.196	0.200	-2.0	30.0
trans-1,2-Dichloroethene	Ave	0.4063	0.4067	0.1000	0.0200	0.0200	0.0	30.0
Methyl tert-butyl ether	Ave	0.8398	0.8451	0.1000	0.0201	0.0200	0.6	30.0
Hexane	Ave	0.4435	0.4479		0.0202	0.0200	1.0	30.0
1,1-Dichloroethane	Ave	0.5067	0.5009	0.2000	0.0198	0.0200	-1.1	30.0
Vinyl acetate	Ave	0.5694	0.6286		0.0221	0.0200	10.4	30.0
2,2-Dichloropropane	Ave	0.3288	0.3089		0.0188	0.0200	-6.1	30.0
cis-1,2-Dichloroethene	Ave	0.3444	0.3344	0.1000	0.0194	0.0200	-2.9	30.0
2-Butanone	Ave	0.0623	0.0642	0.0100	0.0412	0.0400	3.1	50.0
Bromochloromethane	Ave	0.2413	0.2321		0.0192	0.0200	-3.8	30.0
Tetrahydrofuran	Ave	0.1500	0.1525		0.0407	0.0400	1.6	30.0
Chloroform	Ave	0.4844	0.4803	0.2000	0.0198	0.0200	-0.8	30.0
1,1,1-Trichloroethane	Ave	0.4157	0.4258	0.1000	0.0205	0.0200	2.4	30.0
Cyclohexane	Ave	0.5049	0.5068	0.1000	0.0201	0.0200	0.4	30.0
1,1-Dichloropropene	Ave	0.4109	0.4100		0.0200	0.0200	-0.2	30.0
Carbon tetrachloride	Ave	0.3534	0.3567	0.1000	0.0202	0.0200	0.9	30.0
Isobutyl alcohol	Ave	0.0199	0.0212		0.534	0.500	6.8	30.0
Benzene	Ave	1.178	1.160	0.5000	0.0197	0.0200	-1.5	30.0
1,2-Dichloroethane	Ave	0.3625	0.3568	0.1000	0.0197	0.0200	-1.6	30.0
n-Heptane	Lin1		0.2434		0.0204	0.0200	1.9	30.0
Trichloroethene	Ave	0.3152	0.3133	0.1500	0.0199	0.0200	-0.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-378870/15 Calibration Date: 04/30/2019 16:46

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 14:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 16:24

Lab File ID: U1269802.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.5644	0.5547	0.1000	0.0197	0.0200	-1.7	30.0
1,2-Dichloropropane	Ave	0.2488	0.2556	0.1000	0.0205	0.0200	2.7	30.0
Dibromomethane	Ave	0.2110	0.1998		0.0189	0.0200	-5.3	30.0
1,4-Dioxane	Ave	0.0040	0.0050		0.498	0.400	24.5	50.0
Bromodichloromethane	Ave	0.3396	0.3391	0.1500	0.0200	0.0200	-0.1	30.0
2-Chloroethyl vinyl ether	Ave	0.1806	0.1852		0.0205	0.0200	2.5	30.0
cis-1,3-Dichloropropene	Ave	0.4134	0.4266	0.1500	0.0206	0.0200	3.2	50.0
4-Methyl-2-pentanone	Ave	0.3834	0.3876	0.0500	0.0404	0.0400	1.1	50.0
Toluene	Ave	1.674	1.670	0.4000	0.0200	0.0200	-0.2	30.0
trans-1,3-Dichloropropene	Ave	0.5418	0.5319	0.1000	0.0196	0.0200	-1.8	30.0
Ethyl methacrylate	Ave	0.5220	0.5312		0.0204	0.0200	1.8	30.0
1,1,2-Trichloroethane	Ave	0.3327	0.3406	0.1000	0.0205	0.0200	2.4	30.0
Tetrachloroethene	Ave	0.4449	0.4485	0.1500	0.0202	0.0200	0.8	30.0
1,3-Dichloropropane	Ave	0.5898	0.5904		0.0200	0.0200	0.1	30.0
2-Hexanone	Ave	0.4000	0.4074	0.0500	0.0407	0.0400	1.9	50.0
Dibromochloromethane	Ave	0.3454	0.3577		0.0207	0.0200	3.6	30.0
1,2-Dibromoethane	Ave	0.3578	0.3607		0.0202	0.0200	0.8	30.0
Chlorobenzene	Ave	1.080	1.065	0.3000	0.0197	0.0200	-1.4	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3776	0.3797		0.0201	0.0200	0.6	30.0
Ethylbenzene	Ave	0.6029	0.6034		0.0200	0.0200	0.0	30.0
m-Xylene & p-Xylene	Ave	0.7480	0.7610		0.0203	0.0200	1.7	30.0
o-Xylene	Ave	0.7560	0.7537		0.0199	0.0200	-0.3	30.0
Styrene	Ave	1.213	1.155	0.3000	0.0191	0.0200	-4.7	30.0
Bromoform	Ave	0.2499	0.2587	0.1000	0.0207	0.0200	3.5	30.0
Isopropylbenzene	Ave	1.969	2.009	0.1000	0.0204	0.0200	2.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9843	1.035	0.3000	0.0210	0.0200	5.1	30.0
Bromobenzene	Ave	0.8666	0.8526		0.0197	0.0200	-1.6	30.0
1,2,3-Trichloropropane	Ave	0.3726	0.3857		0.0207	0.0200	3.5	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3189	0.3232		0.0203	0.0200	1.4	30.0
n-Propylbenzene	Ave	0.9864	1.003		0.0203	0.0200	1.7	30.0
2-Chlorotoluene	Ave	0.8263	0.8265		0.0200	0.0200	0.0	30.0
1,3,5-Trimethylbenzene	Ave	2.842	2.880		0.0203	0.0200	1.3	30.0
4-Chlorotoluene	Ave	0.8528	0.8188		0.0192	0.0200	-4.0	30.0
tert-Butylbenzene	Ave	2.582	2.643		0.0205	0.0200	2.4	30.0
1,2,4-Trimethylbenzene	Ave	2.944	2.923		0.0199	0.0200	-0.7	30.0
sec-Butylbenzene	Ave	3.717	3.788		0.0204	0.0200	1.9	30.0
1,3-Dichlorobenzene	Ave	1.707	1.638	0.6000	0.0192	0.0200	-4.1	30.0
p-Isopropyltoluene	Ave	3.214	3.318		0.0206	0.0200	3.2	30.0
1,4-Dichlorobenzene	Ave	1.756	1.667	0.5000	0.0190	0.0200	-5.0	30.0
n-Butylbenzene	Ave	2.741	2.726		0.0199	0.0200	-0.6	30.0
1,2-Dichlorobenzene	Ave	1.655	1.606	0.4000	0.0194	0.0200	-2.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-378870/15 Calibration Date: 04/30/2019 16:46

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 14:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 16:24

Lab File ID: U1269802.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.3213	0.3347	0.0500	0.0208	0.0200	4.2	50.0
1,2,4-Trichlorobenzene	Ave	1.156	1.069	0.2000	0.0185	0.0200	-7.5	50.0
Hexachlorobutadiene	Ave	0.5105	0.4509		0.0177	0.0200	-11.7	50.0
Naphthalene	Ave	3.623	3.581		0.0198	0.0200	-1.2	50.0
1,2,3-Trichlorobenzene	Ave	1.070	0.9941		0.0186	0.0200	-7.1	30.0
Dibromofluoromethane (Surr)	Ave	0.2660	0.2632		0.0198	0.0200	-1.1	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2988	0.2950		0.0197	0.0200	-1.3	30.0
Toluene-d8 (Surr)	Ave	1.417	1.397		0.0197	0.0200	-1.4	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5219	0.5000		0.0192	0.0200	-4.2	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269802.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 30-Apr-2019 16:46:30 ALS Bottle#: 9 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-015
Operator ID: 001904 Instrument ID: A3UX12
Sublist:

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 01-May-2019 13:37:31 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0316

First Level Reviewer: bosworthh Date: 02-May-2019 11:54:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1259418	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.758	0.000	83	851416	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.970	9.971	-0.001	92	466847	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	4.539	4.539	0.000	94	331430	20.0	19.8	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.823	4.823	0.000	98	371514	20.0	19.7	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	92	1189609	20.0	19.7	
$ 7 4-Bromofluorobenzene (Surr	95	8.858	8.858	0.000	94	425722	20.0	19.2	
9 Dichlorodifluoromethane	85	1.415	1.403	0.012	99	405832	20.0	16.7	
10 Chloromethane	50	1.593	1.581	0.012	99	413696	20.0	19.5	M
11 Butadiene	54	1.640	1.640	0.000	89	422228	20.0	18.1	
12 Vinyl chloride	62	1.687	1.675	0.012	98	476883	20.0	20.1	
14 Bromomethane	94	1.924	1.912	0.012	90	280106	20.0	19.1	
15 Chloroethane	64	1.995	1.995	0.000	99	289966	20.0	19.4	
16 Dichlorofluoromethane	67	2.172	2.172	0.000	97	629342	20.0	21.1	
17 Trichlorofluoromethane	101	2.220	2.220	0.000	98	513365	20.0	19.4	
19 Ethyl ether	59	2.433	2.433	0.000	89	329369	20.0	20.7	
20 Acrolein	56	2.551	2.551	0.000	99	409129	100.0	86.1	
21 1,1-Dichloroethene	61	2.634	2.634	0.000	98	532370	20.0	20.4	
22 1,1,2-Trichloro-1,2,2-trif	101	2.669	2.669	0.000	94	353091	20.0	20.5	
23 Acetone	43	2.693	2.693	0.000	100	391714	40.0	42.3	
24 Iodomethane	142	2.764	2.764	0.000	98	543731	20.0	19.6	
25 Carbon disulfide	76	2.847	2.823	0.024	99	1083802	20.0	18.1	
27 3-Chloro-1-propene	41	2.953	2.953	0.000	92	573835	20.0	19.3	
28 Methyl acetate	43	2.977	2.977	0.000	97	844749	40.0	38.5	
29 Methylene Chloride	49	3.060	3.060	0.000	90	471457	20.0	19.5	
30 2-Methyl-2-propanol	59	3.166	3.166	0.000	100	987948	200.0	214.3	
31 Acrylonitrile	53	3.273	3.273	0.000	99	2235056	200.0	196.0	
33 Methyl tert-butyl ether	73	3.297	3.285	0.012	94	1064379	20.0	20.1	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	97	512174	20.0	20.0	
34 Hexane	57	3.521	3.510	0.011	89	564057	20.0	20.2	
35 1,1-Dichloroethane	63	3.652	3.652	0.000	96	630828	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
36 Vinyl acetate	43	3.687	3.687	0.000	97	791608	20.0	22.1	
40 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	80	421134	20.0	19.4	
41 2,2-Dichloropropane	77	4.137	4.137	0.000	70	389030	20.0	18.8	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	99	161737	40.0	41.2	
46 Chlorobromomethane	49	4.338	4.338	0.000	94	292354	20.0	19.2	
47 Tetrahydrofuran	42	4.373	4.373	0.000	85	384062	40.0	40.7	
48 Chloroform	83	4.409	4.397	0.012	93	604929	20.0	19.8	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	99	536242	20.0	20.5	
50 Cyclohexane	84	4.598	4.598	0.000	87	638312	20.0	20.1	
52 Carbon tetrachloride	117	4.693	4.693	0.000	80	449179	20.0	20.2	
51 1,1-Dichloropropene	75	4.693	4.693	0.000	96	516359	20.0	20.0	
53 Isobutyl alcohol	41	4.788	4.788	0.000	95	668811	500.0	534.2	
54 Benzene	78	4.870	4.870	0.000	95	1461247	20.0	19.7	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	449407	20.0	19.7	
57 n-Heptane	57	5.071	5.071	0.000	89	306524	20.0	20.4	
59 Trichloroethene	130	5.403	5.403	0.000	96	394562	20.0	19.9	
61 Methylcyclohexane	83	5.568	5.568	0.000	86	698584	20.0	19.7	
62 1,2-Dichloropropane	63	5.604	5.604	0.000	94	321931	20.0	20.5	
64 Dibromomethane	174	5.710	5.710	0.000	94	251580	20.0	18.9	
65 1,4-Dioxane	88	5.722	5.722	0.000	91	125486	400.0	498.0	
66 Dichlorobromomethane	83	5.829	5.829	0.000	100	427012	20.0	20.0	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	92	233209	20.0	20.5	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	96	537264	20.0	20.6	
70 4-Methyl-2-pentanone (MIBK	43	6.349	6.349	0.000	95	976381	40.0	40.4	
71 Toluene	91	6.515	6.515	0.000	99	1422238	20.0	20.0	
72 trans-1,3-Dichloropropene	75	6.704	6.704	0.000	92	452861	20.0	19.6	
74 Ethyl methacrylate	69	6.775	6.775	0.000	89	452252	20.0	20.4	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	90	289983	20.0	20.5	
76 Tetrachloroethene	166	7.000	7.000	0.000	96	381853	20.0	20.2	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	88	502713	20.0	20.0	
78 2-Hexanone	43	7.095	7.095	0.000	93	693681	40.0	40.7	
80 Chlorodibromomethane	129	7.225	7.225	0.000	93	304567	20.0	20.7	
81 Ethylene Dibromide	107	7.332	7.332	0.000	99	307071	20.0	20.2	
83 Chlorobenzene	112	7.781	7.781	0.000	96	907166	20.0	19.7	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	95	323236	20.0	20.1	
85 Ethylbenzene	106	7.876	7.876	0.000	98	513744	20.0	20.0	
86 m-Xylene & p-Xylene	106	7.982	7.982	0.000	99	647955	20.0	20.3	
87 o-Xylene	106	8.361	8.361	0.000	95	641716	20.0	19.9	
88 Styrene	104	8.373	8.373	0.000	95	983663	20.0	19.1	
89 Bromoform	173	8.550	8.550	0.000	98	220246	20.0	20.7	
90 Isopropylbenzene	105	8.704	8.704	0.000	95	1710910	20.0	20.4	
93 Bromobenzene	156	9.000	9.000	0.000	88	398025	20.0	19.7	
92 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	87	483078	20.0	21.0	
94 trans-1,4-Dichloro-2-buten	53	9.047	9.047	0.000	92	150901	20.0	20.3	
95 1,2,3-Trichloropropane	110	9.047	9.047	0.000	84	180047	20.0	20.7	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	468364	20.0	20.3	
97 2-Chlorotoluene	126	9.189	9.189	0.000	97	385849	20.0	20.0	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	1344408	20.0	20.3	
99 4-Chlorotoluene	126	9.296	9.296	0.000	97	382265	20.0	19.2	
102 tert-Butylbenzene	119	9.592	9.592	0.000	91	1234083	20.0	20.5	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	1364531	20.0	19.9	
105 sec-Butylbenzene	105	9.805	9.805	0.000	93	1768239	20.0	20.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	9.911	9.911	0.000	98	764629	20.0	19.2	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	97	1549141	20.0	20.6	
108 1,4-Dichlorobenzene	146	9.994	9.994	0.000	95	778371	20.0	19.0	
111 n-Butylbenzene	91	10.349	10.349	0.000	96	1272624	20.0	19.9	
112 1,2-Dichlorobenzene	146	10.361	10.361	0.000	99	749970	20.0	19.4	
113 1,2-Dibromo-3-Chloropropan	157	11.142	11.142	0.000	91	156261	20.0	20.8	
115 1,2,4-Trichlorobenzene	180	11.958	11.946	0.012	95	499249	20.0	18.5	
116 Hexachlorobutadiene	225	12.124	12.124	0.000	96	210509	20.0	17.7	
117 Naphthalene	128	12.195	12.195	0.000	97	1671766	20.0	19.8	
118 1,2,3-Trichlorobenzene	180	12.443	12.443	0.000	96	464069	20.0	18.6	
S 124 Trihalomethanes, Total	1				0		80.0	81.2	
S 125 Total BTEX	1				0		100.0	100.0	
S 128 Xylenes, Total	106				0		40.0	40.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

vmfasgw_00307	Amount Added: 16.00	Units: uL		
vmfaspw_00297	Amount Added: 16.00	Units: uL		
vmfasaw_00277	Amount Added: 16.00	Units: uL		
vmDist_H2o_00144	Amount Added: 0.00	Units:	Run Reagent	
vm50is_stk_A_00003	Amount Added: 2.00	Units: uL	Run Reagent	
vm50ss_stk_00080	Amount Added: 2.00	Units: uL	Run Reagent	

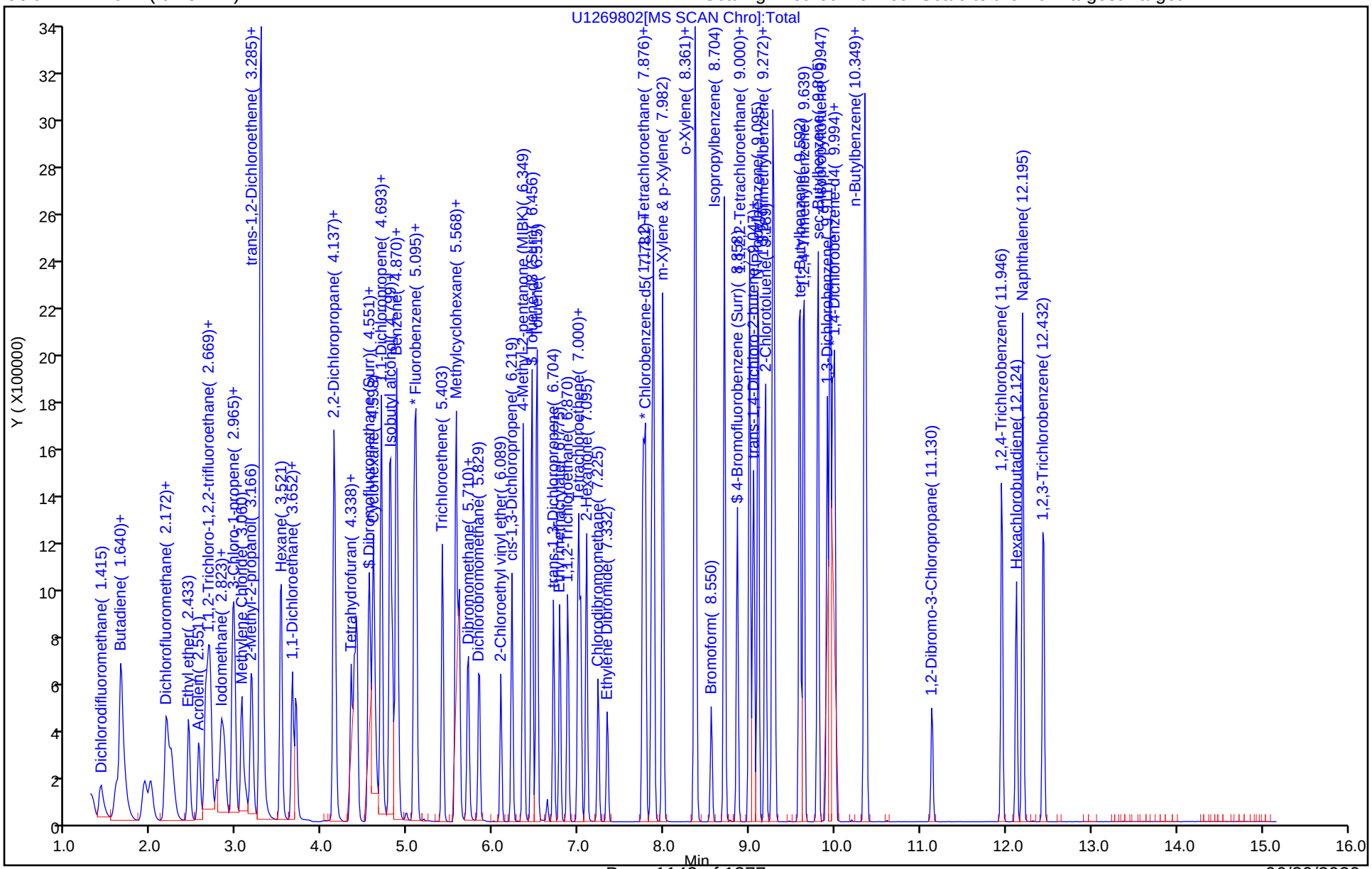
Report Date: 02-May-2019 11:54:26 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269802.D

Injection Date:	30-Apr-2019 16:46:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	ICV			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

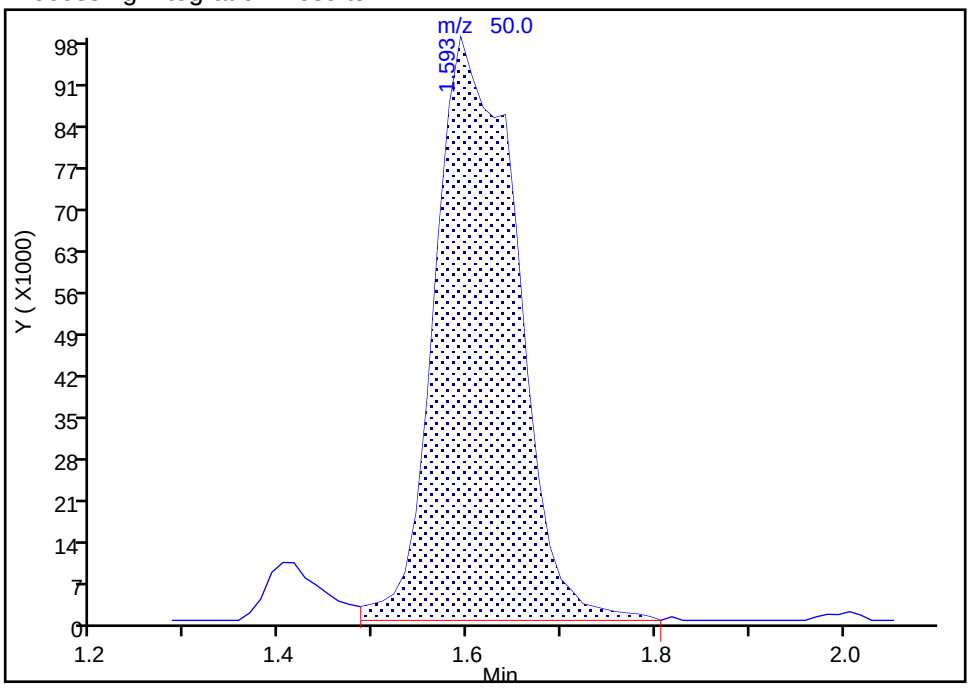
Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269802.D
Injection Date: 30-Apr-2019 16:46:30 Instrument ID: A3UX12
Lims ID: ICV
Client ID:
Operator ID: 001904 ALS Bottle#: 9 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

10 Chloromethane, CAS: 74-87-3

Signal: 1

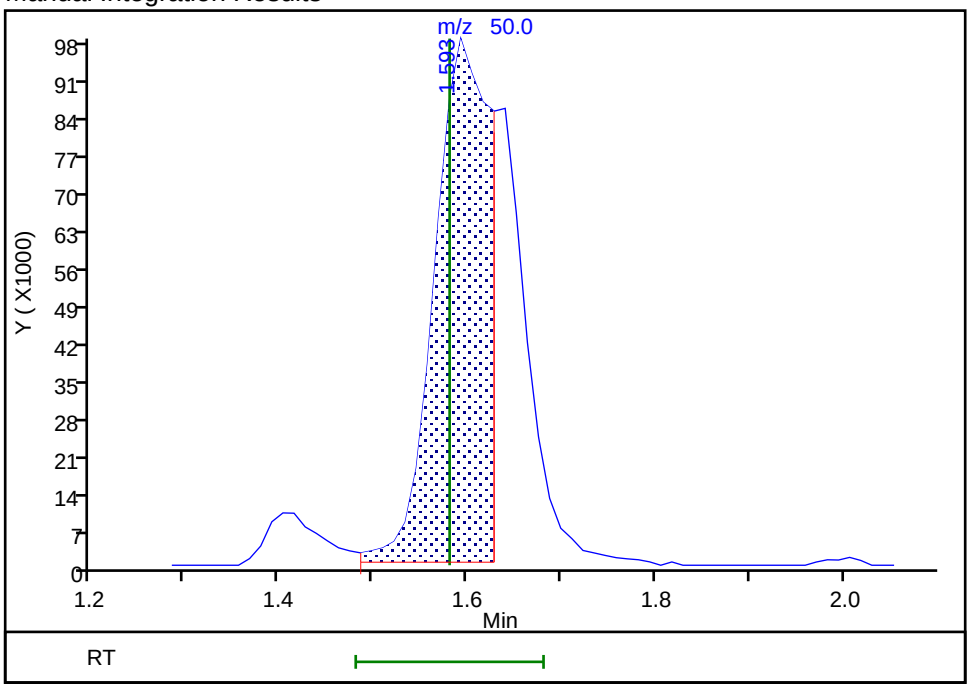
Processing Integration Results

RT: 1.59
Area: 598051
Amount: 28.146899
Amount Units: ug/l



Manual Integration Results

RT: 1.59
Area: 413696
Amount: 19.470345
Amount Units: ug/l



Reviewer: laveyt, 30-Apr-2019 17:05:20
Audit Action: Manually Integrated Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-378870/25 Calibration Date: 04/30/2019 20:27

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 14:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 16:24

Lab File ID: U1269812.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.2660	0.2521		0.0190	0.0200	-5.2	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2988	0.2907		0.0195	0.0200	-2.7	30.0
Toluene-d8 (Surr)	Ave	1.417	1.342		0.0189	0.0200	-5.3	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5219	0.4893		0.0188	0.0200	-6.2	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269812.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 30-Apr-2019 20:27:30 ALS Bottle#: 19 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-025
Operator ID: 001904 Instrument ID: A3UX12
Sublist:

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-May-2019 12:03:16 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0316

First Level Reviewer: bosworthh Date: 02-May-2019 12:09:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1276838	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.758	0.000	84	890370	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.971	9.971	0.000	94	480538	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	4.539	4.539	0.000	95	321828	20.0	19.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.823	4.823	0.000	95	371155	20.0	19.5	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	92	1195200	20.0	18.9	
$ 7 4-Bromofluorobenzene (Surr	95	8.858	8.858	0.000	94	435656	20.0	18.8	
26 Acetonitrile	41	2.942	2.942	0.000	99	705328	200.0	175.5	
37 Isopropyl ether	87	3.699	3.699	0.000	94	326682	20.0	19.0	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	89	580460	20.0	20.0	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	97	1042558	20.0	18.5	
43 Ethyl acetate	43	4.196	4.196	0.000	99	983592	40.0	42.1	
44 Propionitrile	54	4.208	4.208	0.000	99	919929	200.0	188.7	
45 Methacrylonitrile	41	4.326	4.326	0.000	92	3011956	200.0	190.9	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	98	1115344	20.0	19.3	
58 n-Butanol	56	5.344	5.344	0.000	85	586224	500.0	387.8	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	560775	20.0	22.9	
63 Methyl methacrylate	41	5.687	5.687	0.000	88	719329	40.0	44.2	
67 2-Nitropropane	41	6.042	6.030	0.012	99	180395	40.0	36.8	
79 n-Butyl acetate	43	7.202	7.202	0.000	97	630285	20.0	20.2	
82 1-Chlorohexane	91	7.746	7.746	0.000	77	509667	20.0	20.0	
91 Cyclohexanone	55	8.799	8.799	0.000	91	207270	200.0	166.3	
103 Pentachloroethane	167	9.616	9.604	0.012	90	414906	40.0	38.9	
109 1,2,3-Trimethylbenzene	105	10.042	10.042	0.000	98	1417952	20.0	20.0	
110 Benzyl chloride	91	10.136	10.136	0.000	98	938954	20.0	18.3	
114 1,3,5-Trichlorobenzene	180	11.343	11.343	0.000	98	533529	20.0	17.6	
119 2-Methylnaphthalene	142	13.378	13.378	0.000	93	1525808	40.0	25.6	

Reagents:

VMFASA9W_00228	Amount Added:	16.00	Units: uL	
vmDist_H2o_00144	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00003	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00080	Amount Added:	2.00	Units: uL	Run Reagent

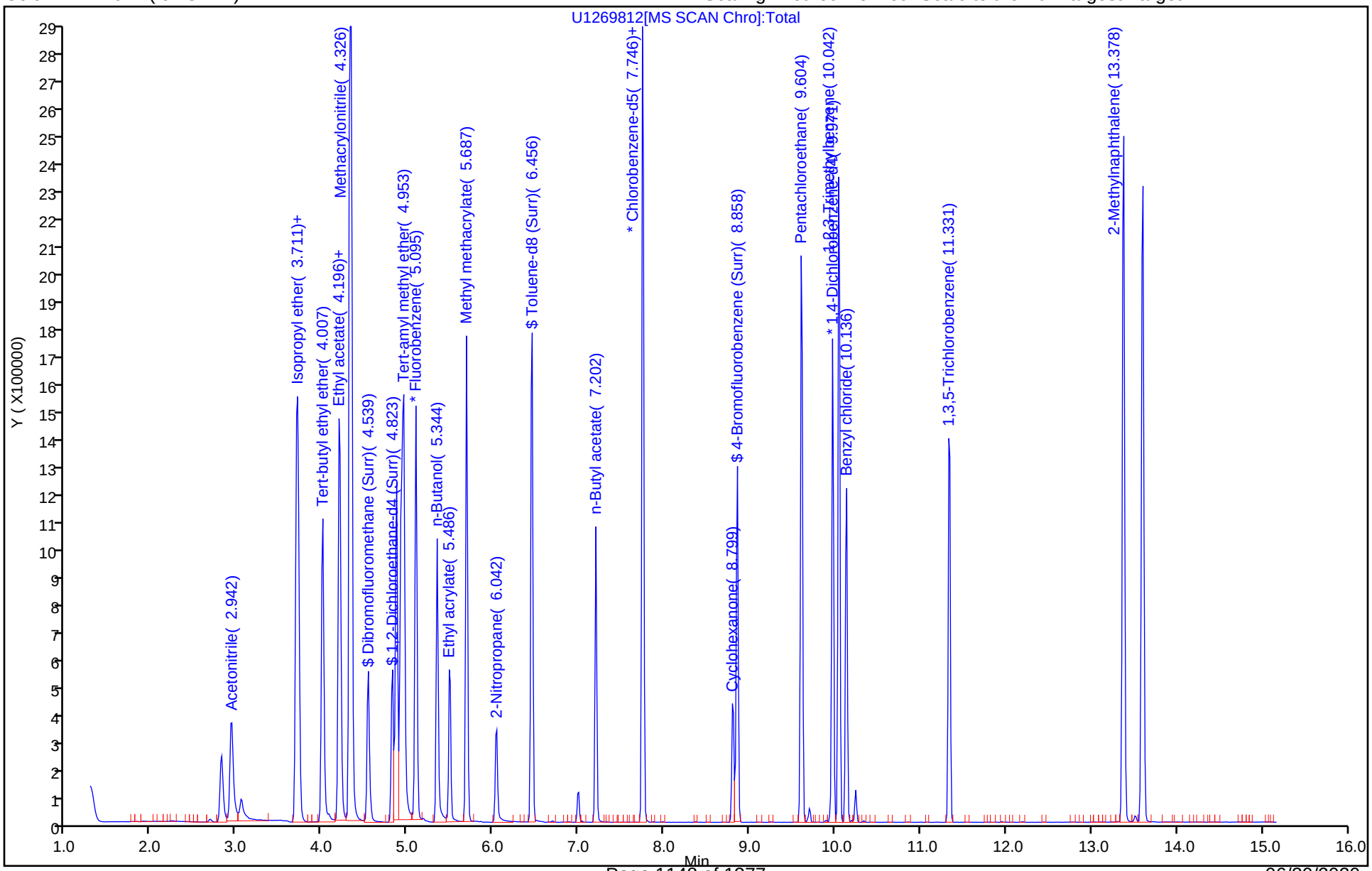
Report Date: 02-May-2019 12:09:34 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269812.D

Injection Date:	30-Apr-2019 20:27:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	ICV			Worklist Smp#:	25
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-378870/25 Calibration Date: 04/30/2019 20:27

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 17:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 20:05

Lab File ID: U1269812.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Lin1		0.0552		0.175	0.200	-12.3	30.0
Diisopropyl ether	Ave	0.2698	0.2559		0.0190	0.0200	-5.2	30.0
2-Chloro-1,3-butadiene	Ave	0.4548	0.4546		0.0200	0.0200	-0.0	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.8827	0.8165		0.0185	0.0200	-7.5	30.0
Ethyl acetate	Ave	0.3663	0.3852		0.0421	0.0400	5.1	30.0
Propionitrile	Lin1		0.0721		0.189	0.200	-5.7	30.0
Methacrylonitrile	Ave	0.2471	0.2359		0.191	0.200	-4.5	30.0
Tert-amyl-methyl ether (TAME)	Ave	0.9065	0.8735		0.0193	0.0200	-3.6	30.0
n-Butanol	Ave	0.0237	0.0184		0.388	0.500	-22.4	30.0
Ethyl acrylate	Ave	0.3838	0.4392		0.0229	0.0200	14.4	30.0
Methyl methacrylate	Ave	0.2550	0.2817		0.0442	0.0400	10.4	30.0
2-Nitropropane	Ave	0.0769	0.0706		0.0368	0.0400	-8.1	30.0
n-Butyl acetate	Ave	0.7023	0.7079		0.0202	0.0200	0.8	30.0
1-Chlorohexane	Ave	0.5721	0.5724		0.0200	0.0200	0.0	30.0
Cyclohexanone	Lin1		0.0233		0.166	0.200	-16.8	30.0
Pentachloroethane	Ave	0.4435	0.4317		0.0389	0.0400	-2.7	30.0
1,2,3-Trimethylbenzene	Ave	2.954	2.951		0.0200	0.0200	-0.1	30.0
Benzyl chloride	Ave	2.132	1.954		0.0183	0.0200	-8.4	30.0
1,3,5-Trichlorobenzene	Ave	1.258	1.110		0.0176	0.0200	-11.8	30.0
2-Methylnaphthalene	Ave	2.484	1.588		0.0256	0.0400	-36.1*	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269812.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 30-Apr-2019 20:27:30 ALS Bottle#: 19 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-025
Operator ID: 001904 Instrument ID: A3UX12
Sublist:

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-May-2019 12:03:16 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0316

First Level Reviewer: bosworthh Date: 02-May-2019 12:09:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1276838	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.758	0.000	84	890370	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.971	9.971	0.000	94	480538	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	4.539	4.539	0.000	95	321828	20.0	19.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.823	4.823	0.000	95	371155	20.0	19.5	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	92	1195200	20.0	18.9	
$ 7 4-Bromofluorobenzene (Surr	95	8.858	8.858	0.000	94	435656	20.0	18.8	
26 Acetonitrile	41	2.942	2.942	0.000	99	705328	200.0	175.5	
37 Isopropyl ether	87	3.699	3.699	0.000	94	326682	20.0	19.0	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	89	580460	20.0	20.0	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	97	1042558	20.0	18.5	
43 Ethyl acetate	43	4.196	4.196	0.000	99	983592	40.0	42.1	
44 Propionitrile	54	4.208	4.208	0.000	99	919929	200.0	188.7	
45 Methacrylonitrile	41	4.326	4.326	0.000	92	3011956	200.0	190.9	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	98	1115344	20.0	19.3	
58 n-Butanol	56	5.344	5.344	0.000	85	586224	500.0	387.8	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	560775	20.0	22.9	
63 Methyl methacrylate	41	5.687	5.687	0.000	88	719329	40.0	44.2	
67 2-Nitropropane	41	6.042	6.030	0.012	99	180395	40.0	36.8	
79 n-Butyl acetate	43	7.202	7.202	0.000	97	630285	20.0	20.2	
82 1-Chlorohexane	91	7.746	7.746	0.000	77	509667	20.0	20.0	
91 Cyclohexanone	55	8.799	8.799	0.000	91	207270	200.0	166.3	
103 Pentachloroethane	167	9.616	9.604	0.012	90	414906	40.0	38.9	
109 1,2,3-Trimethylbenzene	105	10.042	10.042	0.000	98	1417952	20.0	20.0	
110 Benzyl chloride	91	10.136	10.136	0.000	98	938954	20.0	18.3	
114 1,3,5-Trichlorobenzene	180	11.343	11.343	0.000	98	533529	20.0	17.6	
119 2-Methylnaphthalene	142	13.378	13.378	0.000	93	1525808	40.0	25.6	

Reagents:

VMFASA9W_00228	Amount Added:	16.00	Units: uL	
vmDist_H2o_00144	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00003	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00080	Amount Added:	2.00	Units: uL	Run Reagent

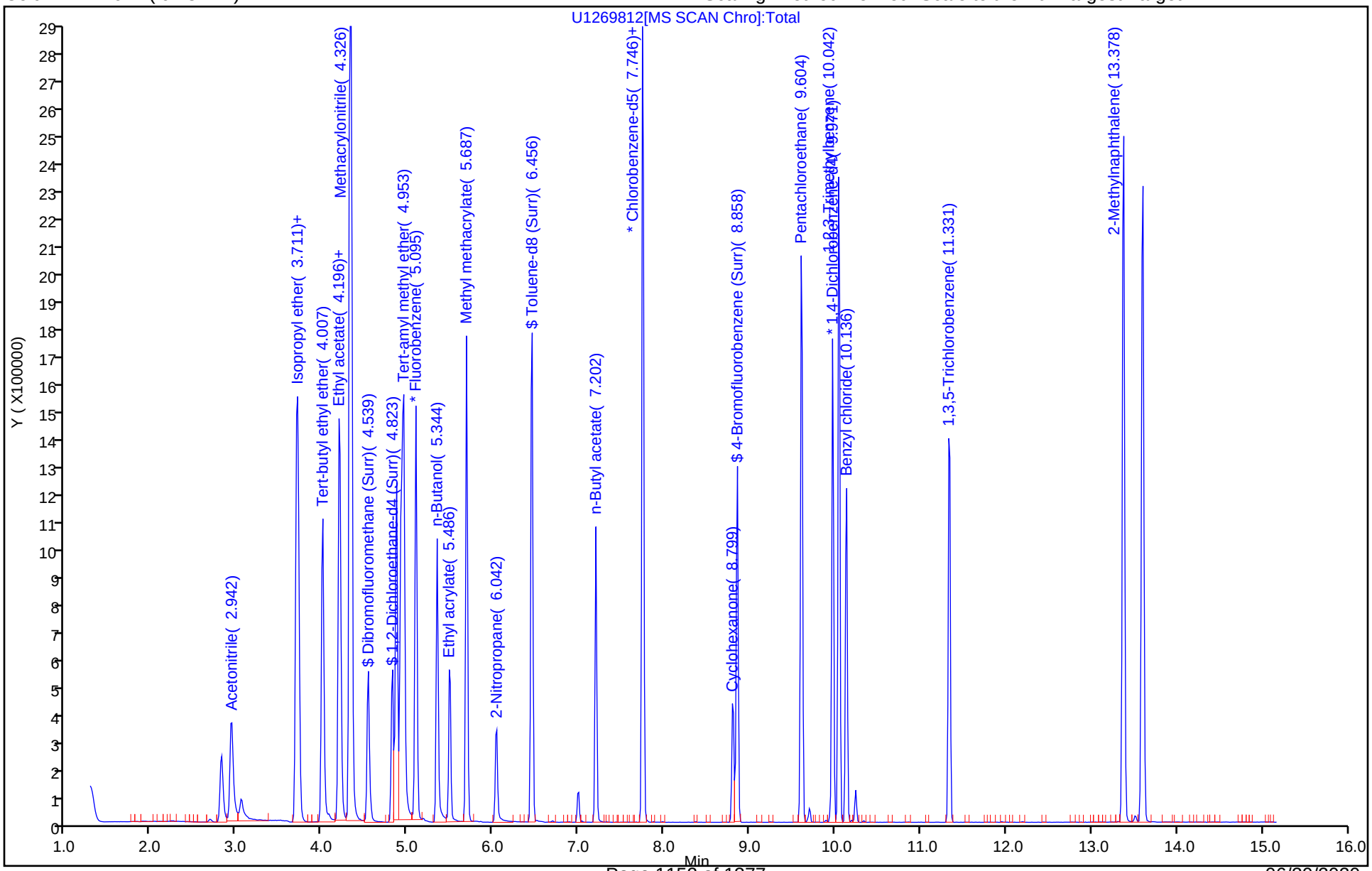
Report Date: 02-May-2019 12:09:34 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269812.D

Injection Date:	30-Apr-2019 20:27:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	ICV			Worklist Smp#:	25
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCV 240-440074/3 Calibration Date: 06/25/2020 16:14

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 17:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 20:05

Lab File ID: U1278701.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Lin1		0.0659		0.211	0.200	5.5	20.0
Diisopropyl ether	Ave	0.2698	0.2613		0.0194	0.0200	-3.2	20.0
2-Chloro-1,3-butadiene	Ave	0.4548	0.5099		0.0224	0.0200	12.1	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.8827	0.8823		0.0200	0.0200	-0.0	20.0
Ethyl acetate	Ave	0.3663	0.3712		0.0405	0.0400	1.3	20.0
Propionitrile	Lin1		0.0802		0.211	0.200	5.4	20.0
Methacrylonitrile	Ave	0.2471	0.2557		0.207	0.200	3.5	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.9065	0.9229		0.0204	0.0200	1.8	20.0
n-Butanol	Ave	0.0237	0.0215		0.454	0.500	-9.2	20.0
Ethyl acrylate	Ave	0.3838	0.4004		0.0209	0.0200	4.3	20.0
Methyl methacrylate	Ave	0.2550	0.2767		0.0434	0.0400	8.5	20.0
2-Nitropropane	Ave	0.0769	0.0803		0.0418	0.0400	4.5	20.0
n-Butyl acetate	Ave	0.7023	0.7517		0.0214	0.0200	7.0	20.0
1-Chlorohexane	Ave	0.5721	0.5800		0.0203	0.0200	1.4	20.0
Cyclohexanone	Lin1		0.0305		0.221	0.200	10.5	20.0
Pentachloroethane	Ave	0.4435	0.4459		0.0402	0.0400	0.6	20.0
1,2,3-Trimethylbenzene	Ave	2.954	2.853		0.0193	0.0200	-3.4	20.0
Benzyl chloride	Ave	2.132	1.898		0.0178	0.0200	-11.0	20.0
1,3,5-Trichlorobenzene	Ave	1.258	1.135		0.0180	0.0200	-9.8	20.0
2-Methylnaphthalene	Ave	2.484	1.919		0.0309	0.0400	-22.7*	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278701.D
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 25-Jun-2020 16:14:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-003
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub4

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jun-2020 16:31:40 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: laveyt Date: 25-Jun-2020 16:31:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1093152	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	86	724733	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.970	9.970	0.000	95	398397	20.0	20.0	
26 Acetonitrile	41	2.942	2.942	0.000	100	720301	200.0	211.1	
37 Isopropyl ether	87	3.699	3.699	0.000	93	285617	20.0	19.4	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	92	557388	20.0	22.4	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	97	964484	20.0	20.0	
43 Ethyl acetate	43	4.196	4.196	0.000	99	811640	40.0	40.5	
44 Propionitrile	54	4.208	4.208	0.000	99	876386	200.0	210.9	
45 Methacrylonitrile	41	4.326	4.326	0.000	93	2795219	200.0	207.0	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	98	1008879	20.0	20.4	
58 n-Butanol	56	5.344	5.344	0.000	84	587450	500.0	453.9	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	437733	20.0	20.9	
63 Methyl methacrylate	41	5.687	5.687	0.000	89	604879	40.0	43.4	
67 2-Nitropropane	41	6.030	6.030	0.000	99	175519	40.0	41.8	
79 n-Butyl acetate	43	7.202	7.202	0.000	98	544767	20.0	21.4	
82 1-Chlorohexane	91	7.746	7.746	0.000	80	420341	20.0	20.3	
91 Cyclohexanone	55	8.799	8.799	0.000	93	220745	200.0	221.0	
103 Pentachloroethane	167	9.604	9.604	0.000	90	355300	40.0	40.2	
109 1,2,3-Trimethylbenzene	105	10.041	10.041	0.000	98	1136428	20.0	19.3	
110 Benzyl chloride	91	10.136	10.136	0.000	99	756092	20.0	17.8	
114 1,3,5-Trichlorobenzene	180	11.331	11.331	0.000	97	452019	20.0	18.0	
119 2-Methylnaphthalene	142	13.366	13.366	0.000	94	1529138	40.0	30.9	

Reagents:

vmra9w_00350 Amount Added: 16.00 Units: uL
vm50is_stk_a_00006 Amount Added: 2.00 Units: uL

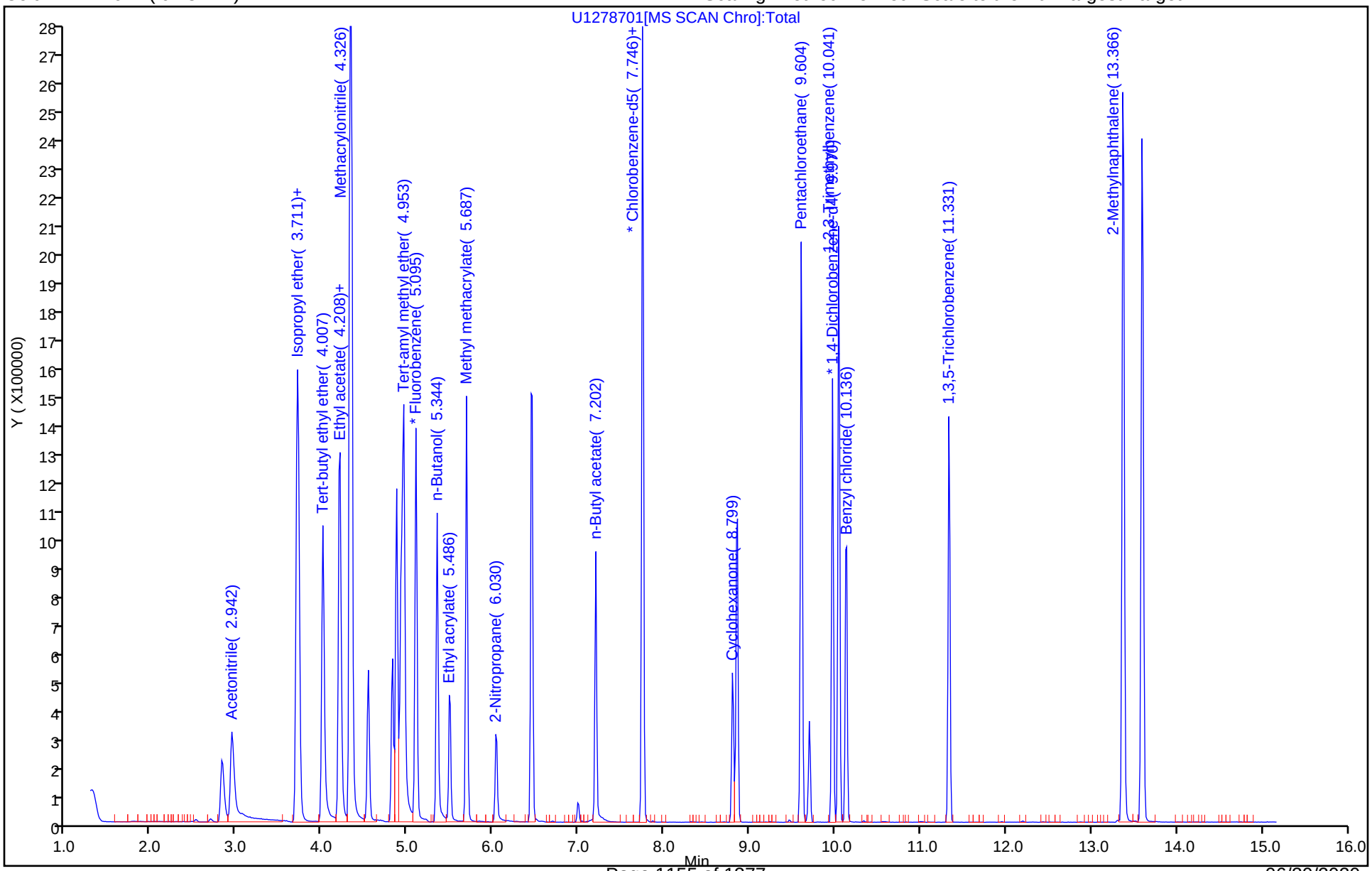
Report Date: 25-Jun-2020 16:31:40 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278701.D

Injection Date:	25-Jun-2020 16:14:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	CCV A9			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440074/4 Calibration Date: 06/25/2020 16:36

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 14:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 16:24

Lab File ID: U1278702.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3850	0.3075	0.1000	0.0160	0.0200	-20.1*	20.0
Chloromethane	Ave	0.3374	0.4504	0.1000	0.0267	0.0200	33.5*	20.0
Butadiene	Ave	0.3709	0.3167		0.0171	0.0200	-14.6	20.0
Vinyl chloride	Ave	0.3771	0.3300	0.1000	0.0175	0.0200	-12.5	20.0
Bromomethane	Ave	0.2328	0.2116	0.0500	0.0182	0.0200	-9.1	20.0
Chloroethane	Ave	0.2368	0.2284	0.0500	0.0193	0.0200	-3.6	20.0
Dichlorofluoromethane	Ave	0.4732	0.5139		0.0217	0.0200	8.6	20.0
Trichlorofluoromethane	Ave	0.4204	0.4087	0.1000	0.0194	0.0200	-2.8	20.0
Ethyl ether	Ave	0.2526	0.2627		0.0208	0.0200	4.0	20.0
Acrolein	Ave	0.0755	0.0470		0.0622	0.100	-37.8*	20.0
1,1-Dichloroethene	Ave	0.4135	0.4343	0.1000	0.0210	0.0200	5.0	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2737	0.2838	0.0500	0.0207	0.0200	3.7	20.0
Acetone	Lin1		0.1713	0.0100	0.0468	0.0400	17.0	50.0
Iodomethane	Ave	0.4395	0.4434		0.0202	0.0200	0.9	20.0
Carbon disulfide	Ave	0.9516	0.8133	0.1000	0.0171	0.0200	-14.5	20.0
3-Chloro-1-propene	Ave	0.4714	0.4657		0.0198	0.0200	-1.2	20.0
Methyl acetate	Ave	0.3480	0.3519	0.1000	0.0404	0.0400	1.1	50.0
Methylene Chloride	Lin1		0.3829	0.1000	0.0200	0.0200	0.0	50.0
tert-Butyl alcohol	Ave	0.0732	0.0611		0.167	0.200	-16.5	20.0
Acrylonitrile	Ave	0.1811	0.1797		0.198	0.200	-0.8	20.0
trans-1,2-Dichloroethene	Ave	0.4063	0.4260	0.1000	0.0210	0.0200	4.9	20.0
Methyl tert-butyl ether	Ave	0.8398	0.8920	0.1000	0.0212	0.0200	6.2	20.0
Hexane	Ave	0.4435	0.4302		0.0194	0.0200	-3.0	20.0
1,1-Dichloroethane	Ave	0.5067	0.5398	0.2000	0.0213	0.0200	6.5	20.0
Vinyl acetate	Ave	0.5694	0.5963		0.0209	0.0200	4.7	20.0
2,2-Dichloropropane	Ave	0.3288	0.3604		0.0219	0.0200	9.6	20.0
cis-1,2-Dichloroethene	Ave	0.3444	0.3309	0.1000	0.0192	0.0200	-3.9	20.0
2-Butanone	Ave	0.0623	0.0625	0.0100	0.0401	0.0400	0.3	50.0
Bromochloromethane	Ave	0.2413	0.2623		0.0217	0.0200	8.7	20.0
Tetrahydrofuran	Ave	0.1500	0.1526		0.0407	0.0400	1.7	20.0
Chloroform	Ave	0.4844	0.5067	0.2000	0.0209	0.0200	4.6	20.0
1,1,1-Trichloroethane	Ave	0.4157	0.4303	0.1000	0.0207	0.0200	3.5	20.0
Cyclohexane	Ave	0.5049	0.5064	0.1000	0.0201	0.0200	0.3	20.0
1,1-Dichloropropene	Ave	0.4109	0.4217		0.0205	0.0200	2.6	20.0
Carbon tetrachloride	Ave	0.3534	0.3618	0.1000	0.0205	0.0200	2.4	20.0
Isobutyl alcohol	Ave	0.0199	0.0210		0.529	0.500	5.8	20.0
Benzene	Ave	1.178	1.187	0.5000	0.0201	0.0200	0.7	20.0
1,2-Dichloroethane	Ave	0.3625	0.3893	0.1000	0.0215	0.0200	7.4	20.0
n-Heptane	Lin1		0.2066		0.0169	0.0200	-15.7	20.0
Trichloroethene	Ave	0.3152	0.2992	0.1500	0.0190	0.0200	-5.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440074/4 Calibration Date: 06/25/2020 16:36

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 14:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 16:24

Lab File ID: U1278702.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.5644	0.5389	0.1000	0.0191	0.0200	-4.5	20.0
1,2-Dichloropropane	Ave	0.2488	0.2562	0.1000	0.0206	0.0200	3.0	20.0
Dibromomethane	Ave	0.2110	0.1890		0.0179	0.0200	-10.4	20.0
1,4-Dioxane	Ave	0.0040	0.0049		0.488	0.400	22.0	50.0
Bromodichloromethane	Ave	0.3396	0.3315	0.1500	0.0195	0.0200	-2.4	20.0
2-Chloroethyl vinyl ether	Ave	0.1806	0.1756		0.0389	0.0400	-2.8	20.0
cis-1,3-Dichloropropene	Ave	0.4134	0.3911	0.1500	0.0189	0.0200	-5.4	50.0
4-Methyl-2-pentanone	Ave	0.3834	0.4128	0.0500	0.0431	0.0400	7.7	50.0
Toluene	Ave	1.674	1.628	0.4000	0.0195	0.0200	-2.7	20.0
trans-1,3-Dichloropropene	Ave	0.5418	0.5211	0.1000	0.0192	0.0200	-3.8	20.0
Ethyl methacrylate	Ave	0.5220	0.5561		0.0213	0.0200	6.5	20.0
1,1,2-Trichloroethane	Ave	0.3327	0.3213	0.1000	0.0193	0.0200	-3.4	20.0
Tetrachloroethene	Ave	0.4449	0.4211	0.1500	0.0189	0.0200	-5.4	20.0
1,3-Dichloropropane	Ave	0.5898	0.5951		0.0202	0.0200	0.9	20.0
2-Hexanone	Ave	0.4000	0.4214	0.0500	0.0421	0.0400	5.4	50.0
Dibromochloromethane	Ave	0.3454	0.3326		0.0193	0.0200	-3.7	20.0
1,2-Dibromoethane	Ave	0.3578	0.3421		0.0191	0.0200	-4.4	20.0
Chlorobenzene	Ave	1.080	1.036	0.3000	0.0192	0.0200	-4.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3776	0.3725		0.0197	0.0200	-1.3	20.0
Ethylbenzene	Ave	0.6029	0.5891		0.0195	0.0200	-2.3	20.0
m-Xylene & p-Xylene	Ave	0.7480	0.7330		0.0196	0.0200	-2.0	20.0
o-Xylene	Ave	0.7560	0.7447		0.0197	0.0200	-1.5	20.0
Styrene	Ave	1.213	1.151	0.3000	0.0190	0.0200	-5.1	20.0
Bromoform	Ave	0.2499	0.2316	0.1000	0.0185	0.0200	-7.3	20.0
Isopropylbenzene	Ave	1.969	1.929	0.1000	0.0196	0.0200	-2.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9843	1.010	0.3000	0.0205	0.0200	2.6	20.0
Bromobenzene	Ave	0.8666	0.7765		0.0179	0.0200	-10.4	20.0
1,2,3-Trichloropropane	Ave	0.3726	0.3546		0.0190	0.0200	-4.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3189	0.2546		0.0160	0.0200	-20.2*	20.0
n-Propylbenzene	Ave	0.9864	0.9415		0.0191	0.0200	-4.5	20.0
2-Chlorotoluene	Ave	0.8263	0.7777		0.0188	0.0200	-5.9	20.0
1,3,5-Trimethylbenzene	Ave	2.842	2.720		0.0191	0.0200	-4.3	20.0
4-Chlorotoluene	Ave	0.8528	0.7778		0.0182	0.0200	-8.8	20.0
tert-Butylbenzene	Ave	2.582	2.301		0.0178	0.0200	-10.9	20.0
1,2,4-Trimethylbenzene	Ave	2.944	2.744		0.0186	0.0200	-6.8	20.0
sec-Butylbenzene	Ave	3.717	3.425		0.0184	0.0200	-7.8	20.0
1,3-Dichlorobenzene	Ave	1.707	1.510	0.6000	0.0177	0.0200	-11.5	20.0
p-Isopropyltoluene	Ave	3.214	2.999		0.0187	0.0200	-6.7	20.0
1,4-Dichlorobenzene	Ave	1.756	1.538	0.5000	0.0175	0.0200	-12.4	20.0
n-Butylbenzene	Ave	2.741	2.508		0.0183	0.0200	-8.5	20.0
1,2-Dichlorobenzene	Ave	1.655	1.538	0.4000	0.0186	0.0200	-7.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440074/4 Calibration Date: 06/25/2020 16:36

Instrument ID: A3UX12 Calib Start Date: 04/30/2019 14:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/30/2019 16:24

Lab File ID: U1278702.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.3213	0.2805	0.0500	0.0175	0.0200	-12.7	50.0
1,2,4-Trichlorobenzene	Ave	1.156	0.997	0.2000	0.0172	0.0200	-13.8	50.0
Hexachlorobutadiene	Ave	0.5105	0.3410		0.0134	0.0200	-33.2	50.0
Naphthalene	Ave	3.623	3.451		0.0191	0.0200	-4.7	50.0
1,2,3-Trichlorobenzene	Ave	1.070	0.9826		0.0184	0.0200	-8.2	20.0
Dibromofluoromethane (Surr)	Ave	0.2660	0.2578		0.0194	0.0200	-3.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2988	0.3120		0.0209	0.0200	4.4	20.0
Toluene-d8 (Surr)	Ave	1.417	1.328		0.0187	0.0200	-6.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5219	0.4804		0.0184	0.0200	-8.0	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278702.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 25-Jun-2020 16:36:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-004
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 07:43:29 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 07:43:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1083584	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	86	733031	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.970	9.970	0.000	92	415140	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.539	0.000	94	279314	20.0	19.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.823	0.000	96	338102	20.0	20.9	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	93	973546	20.0	18.7	
$ 7 4-Bromofluorobenzene (Surr)	95	8.846	8.846	0.000	93	352147	20.0	18.4	
9 Dichlorodifluoromethane	85	1.403	1.403	0.000	99	333147	20.0	16.0	
10 Chloromethane	50	1.616	1.616	0.000	99	488023	20.0	26.7	
11 Butadiene	54	1.652	1.652	0.000	90	343213	20.0	17.1	
12 Vinyl chloride	62	1.699	1.699	0.000	97	357630	20.0	17.5	
14 Bromomethane	94	1.948	1.948	0.000	91	229266	20.0	18.2	
15 Chloroethane	64	2.007	2.007	0.000	100	247509	20.0	19.3	
16 Dichlorofluoromethane	67	2.196	2.196	0.000	97	556870	20.0	21.7	
17 Trichlorofluoromethane	101	2.255	2.255	0.000	98	442905	20.0	19.4	
19 Ethyl ether	59	2.433	2.433	0.000	91	284645	20.0	20.8	
20 Acrolein	56	2.563	2.563	0.000	99	254460	100.0	62.2	
21 1,1-Dichloroethene	61	2.634	2.634	0.000	98	470640	20.0	21.0	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.670	2.670	0.000	94	307527	20.0	20.7	
23 Acetone	43	2.693	2.693	0.000	100	371308	40.0	46.8	
24 Iodomethane	142	2.812	2.812	0.000	99	480436	20.0	20.2	
25 Carbon disulfide	76	2.859	2.859	0.000	100	881232	20.0	17.1	
27 3-Chloro-1-propene	41	2.954	2.954	0.000	88	504621	20.0	19.8	
28 Methyl acetate	43	2.977	2.977	0.000	97	762632	40.0	40.4	
29 Methylene Chloride	49	3.060	3.060	0.000	93	414861	20.0	20.0	
30 2-Methyl-2-propanol	59	3.178	3.178	0.000	99	662076	200.0	166.9	
31 Acrylonitrile	53	3.273	3.273	0.000	99	1947666	200.0	198.5	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	98	461650	20.0	21.0	
33 Methyl tert-butyl ether	73	3.297	3.297	0.000	96	966593	20.0	21.2	
34 Hexane	57	3.510	3.510	0.000	92	466172	20.0	19.4	
35 1,1-Dichloroethane	63	3.652	3.652	0.000	96	584907	20.0	21.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	3.687	3.687	0.000	97	646160	20.0	20.9	
41 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	82	358545	20.0	19.2	
40 2,2-Dichloropropane	77	4.137	4.137	0.000	60	390553	20.0	21.9	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	99	135498	40.0	40.1	
46 Chlorobromomethane	49	4.338	4.338	0.000	97	284211	20.0	21.7	
47 Tetrahydrofuran	42	4.374	4.374	0.000	86	330760	40.0	40.7	
48 Chloroform	83	4.397	4.397	0.000	94	549042	20.0	20.9	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	98	466261	20.0	20.7	
50 Cyclohexane	84	4.598	4.598	0.000	90	548674	20.0	20.1	
51 1,1-Dichloropropene	75	4.693	4.693	0.000	94	456989	20.0	20.5	
52 Carbon tetrachloride	117	4.693	4.693	0.000	78	392051	20.0	20.5	
53 Isobutyl alcohol	41	4.788	4.788	0.000	94	569893	500.0	529.0	
54 Benzene	78	4.870	4.870	0.000	96	1285738	20.0	20.1	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	421876	20.0	21.5	
57 n-Heptane	57	5.072	5.072	0.000	89	223825	20.0	16.9	
59 Trichloroethene	130	5.403	5.403	0.000	96	324241	20.0	19.0	
61 Methylcyclohexane	83	5.569	5.569	0.000	88	583900	20.0	19.1	
62 1,2-Dichloropropane	63	5.604	5.604	0.000	93	277619	20.0	20.6	
64 Dibromomethane	174	5.699	5.699	0.000	95	204819	20.0	17.9	
65 1,4-Dioxane	88	5.711	5.711	0.000	92	105814	400.0	488.1	
66 Dichlorobromomethane	83	5.829	5.829	0.000	99	359248	20.0	19.5	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	93	380443	40.0	38.9	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	95	423733	20.0	18.9	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.350	0.000	96	894682	40.0	43.1	
71 Toluene	91	6.503	6.503	0.000	99	1193232	20.0	19.5	
72 trans-1,3-Dichloropropene	75	6.705	6.705	0.000	95	381991	20.0	19.2	
74 Ethyl methacrylate	69	6.776	6.776	0.000	89	407627	20.0	21.3	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	92	235530	20.0	19.3	
76 Tetrachloroethene	166	7.000	7.000	0.000	98	308643	20.0	18.9	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	90	436208	20.0	20.2	
78 2-Hexanone	43	7.083	7.083	0.000	96	617760	40.0	42.1	
80 Chlorodibromomethane	129	7.225	7.225	0.000	89	243771	20.0	19.3	
81 Ethylene Dibromide	107	7.332	7.332	0.000	99	250739	20.0	19.1	
83 Chlorobenzene	112	7.781	7.781	0.000	95	759188	20.0	19.2	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	94	273027	20.0	19.7	
85 Ethylbenzene	106	7.876	7.876	0.000	98	431830	20.0	19.5	
86 m-Xylene & p-Xylene	106	7.983	7.983	0.000	99	537320	20.0	19.6	
87 o-Xylene	106	8.361	8.361	0.000	96	545872	20.0	19.7	
88 Styrene	104	8.373	8.373	0.000	95	843942	20.0	19.0	
89 Bromoform	173	8.551	8.551	0.000	96	169800	20.0	18.5	
90 Isopropylbenzene	105	8.704	8.704	0.000	95	1413722	20.0	19.6	
92 Bromobenzene	156	9.000	9.000	0.000	93	322346	20.0	17.9	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	87	419281	20.0	20.5	
94 1,2,3-Trichloropropane	110	9.036	9.036	0.000	87	147190	20.0	19.0	
95 trans-1,4-Dichloro-2-butene	53	9.048	9.048	0.000	90	105710	20.0	16.0	
96 N-Propylbenzene	120	9.095	9.095	0.000	99	390871	20.0	19.1	
97 2-Chlorotoluene	126	9.190	9.190	0.000	97	322864	20.0	18.8	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	1129297	20.0	19.1	
99 4-Chlorotoluene	126	9.284	9.284	0.000	99	322895	20.0	18.2	
102 tert-Butylbenzene	119	9.580	9.580	0.000	91	955199	20.0	17.8	
104 1,2,4-Trimethylbenzene	105	9.627	9.627	0.000	97	1139179	20.0	18.6	
105 sec-Butylbenzene	105	9.793	9.793	0.000	94	1422017	20.0	18.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	9.911	9.911	0.000	98	626931	20.0	17.7	
107 4-Isopropyltoluene	119	9.935	9.935	0.000	97	1245076	20.0	18.7	
108 1,4-Dichlorobenzene	146	9.994	9.994	0.000	95	638580	20.0	17.5	
111 n-Butylbenzene	91	10.337	10.337	0.000	97	1041199	20.0	18.3	
112 1,2-Dichlorobenzene	146	10.361	10.361	0.000	98	638409	20.0	18.6	
113 1,2-Dibromo-3-Chloropropane	157	11.130	11.130	0.000	86	116445	20.0	17.5	
115 1,2,4-Trichlorobenzene	180	11.947	11.947	0.000	94	413710	20.0	17.2	
116 Hexachlorobutadiene	225	12.124	12.124	0.000	96	141543	20.0	13.4	
117 Naphthalene	128	12.195	12.195	0.000	97	1432809	20.0	19.1	
118 1,2,3-Trichlorobenzene	180	12.432	12.432	0.000	96	407911	20.0	18.4	
S 124 Trihalomethanes, Total	1				0		80.0	78.2	
S 125 Total BTEX	1				0		100.0	98.4	
S 128 Xylenes, Total	106				0		40.0	39.3	

Reagents:

vmarolistdw_00349	Amount Added: 16.00	Units: uL	
vmrprimw_00391	Amount Added: 16.00	Units: uL	
vmrgas_00344	Amount Added: 16.00	Units: uL	
vmDist_H2o_00174	Amount Added: 0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added: 2.00	Units: uL	Run Reagent
vm50is_stk_a_00006	Amount Added: 2.00	Units: uL	Run Reagent
vm40ml_vials_00015	Amount Added: 0.00	Units:	Run Reagent

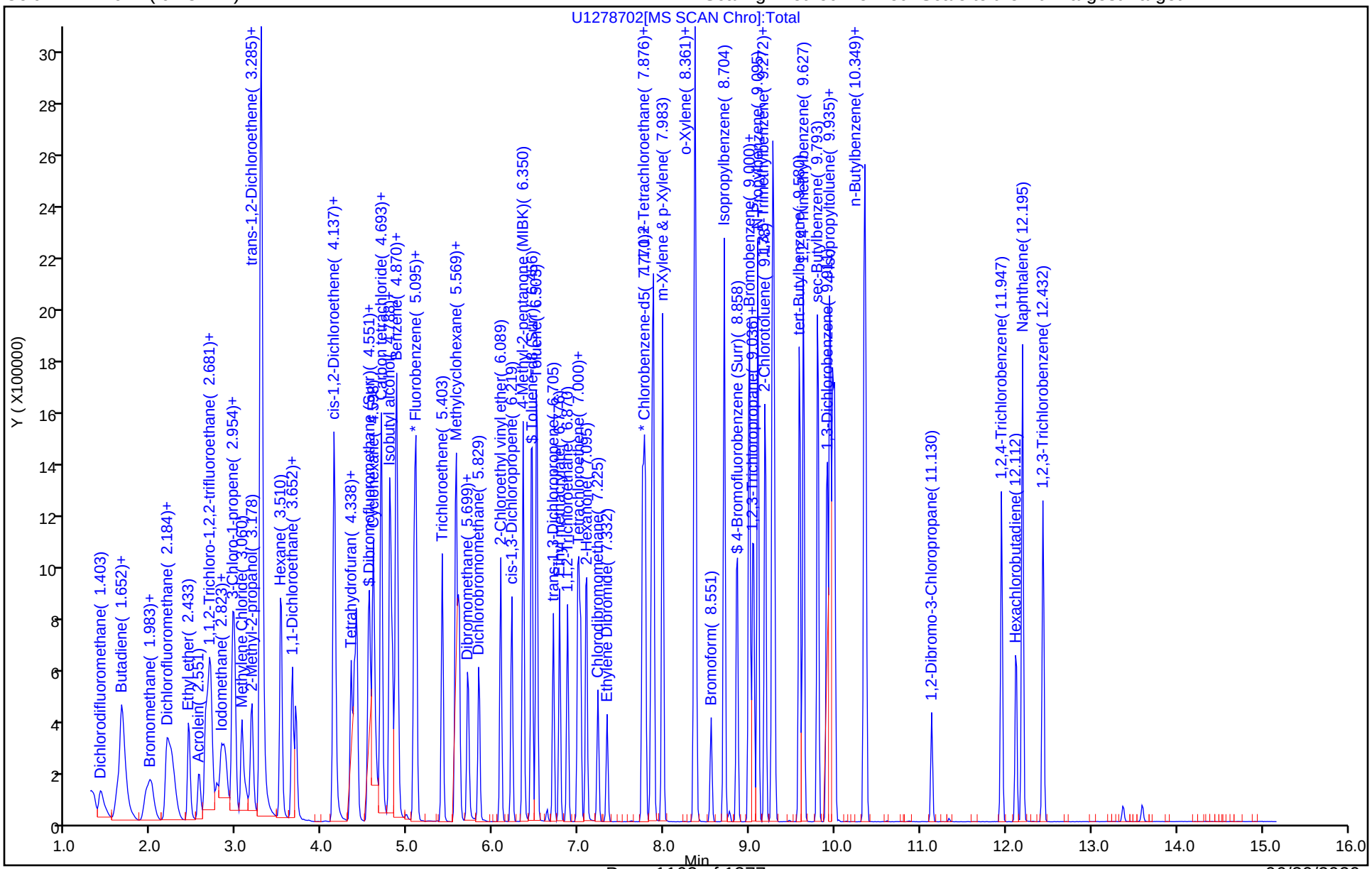
Report Date: 26-Jun-2020 07:43:32 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278702.D

Injection Date:	25-Jun-2020 16:36:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-434666/25 Calibration Date: 05/18/2020 16:21

Instrument ID: A3UX16 Calib Start Date: 05/18/2020 09:45

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/18/2020 12:13

Lab File ID: UXM27998.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.2913	0.2907		0.0200	0.0200	-0.2	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3197	0.3021		0.0189	0.0200	-5.5	30.0
Toluene-d8 (Surr)	Ave	1.380	1.256		0.0182	0.0200	-9.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5063	0.5194		0.0205	0.0200	2.6	30.0

Eurofins TestAmerica, Canton

Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27998.D
Lims ID: ICV a9
Client ID:
Sample Type: ICV
Inject. Date: 18-May-2020 16:21:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-025
Operator ID: 001765 Instrument ID: A3UX16
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 19-May-2020 16:30:29 Calib Date: 18-May-2020 15:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27997.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0317

First Level Reviewer: stillert Date: 19-May-2020 16:30:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	100	817035	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	84	713522	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.874	10.862	0.012	93	379474	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	93	237541	20.0	20.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	-0.001	99	246835	20.0	18.9	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	92	895965	20.0	18.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	91	370574	20.0	20.5	
25 Acetonitrile	41	3.581	3.569	0.012	99	273816	200.0	198.1	
36 Isopropyl ether	87	4.399	4.399	0.000	91	213496	20.0	21.2	
37 2-Chloro-1,3-butadiene	53	4.446	4.446	0.000	90	365974	20.0	21.5	
38 Tert-butyl ethyl ether	59	4.707	4.707	0.000	95	627904	20.0	21.2	
42 Propionitrile	54	4.921	4.920	0.001	99	314282	200.0	208.6	
44 Methacrylonitrile	41	5.051	5.051	0.000	88	1123345	200.0	204.8	
163 Isooctane	57	5.703	5.703	0.000	97	735303	20.0	21.5	
55 Tert-amyl methyl ether	73	5.715	5.715	0.000	98	638538	20.0	21.8	
57 n-Butanol	56	6.059	6.059	0.000	83	120613	500.0	517.4	
66 2-Nitropropane	41	6.818	6.818	0.000	99	111631	40.0	40.5	
81 1-Chlorohexane	91	8.585	8.585	0.000	90	429480	20.0	21.1	
91 Cyclohexanone	55	9.652	9.652	0.000	89	64953	200.0	187.2	
103 Pentachloroethane	167	10.482	10.482	0.000	94	211267	40.0	26.9	
109 1,2,3-Trimethylbenzene	105	10.909	10.909	0.000	97	1125816	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
110 Benzyl chloride	126	11.004	11.004	0.000	99	125362	20.0	19.7	
114 1,3,5-Trichlorobenzene	180	12.225	12.225	0.000	98	411912	20.0	20.9	
119 2-Methylnaphthalene	142	14.597	14.597	0.000	93	757584	40.0	33.7	
162 1-Methylnaphthalene	142	14.870	14.870	0.000	0	677051	40.0	34.5	

Reagents:

vmfasa9w_00276	Amount Added: 16.00	Units: uL	
vm50is_stk_a_00006	Amount Added: 2.00	Units: uL	Run Reagent
vmDist_H2o_00167	Amount Added: 0.00	Units:	Run Reagent
vm50ss_stk_00083	Amount Added: 2.00	Units: uL	Run Reagent

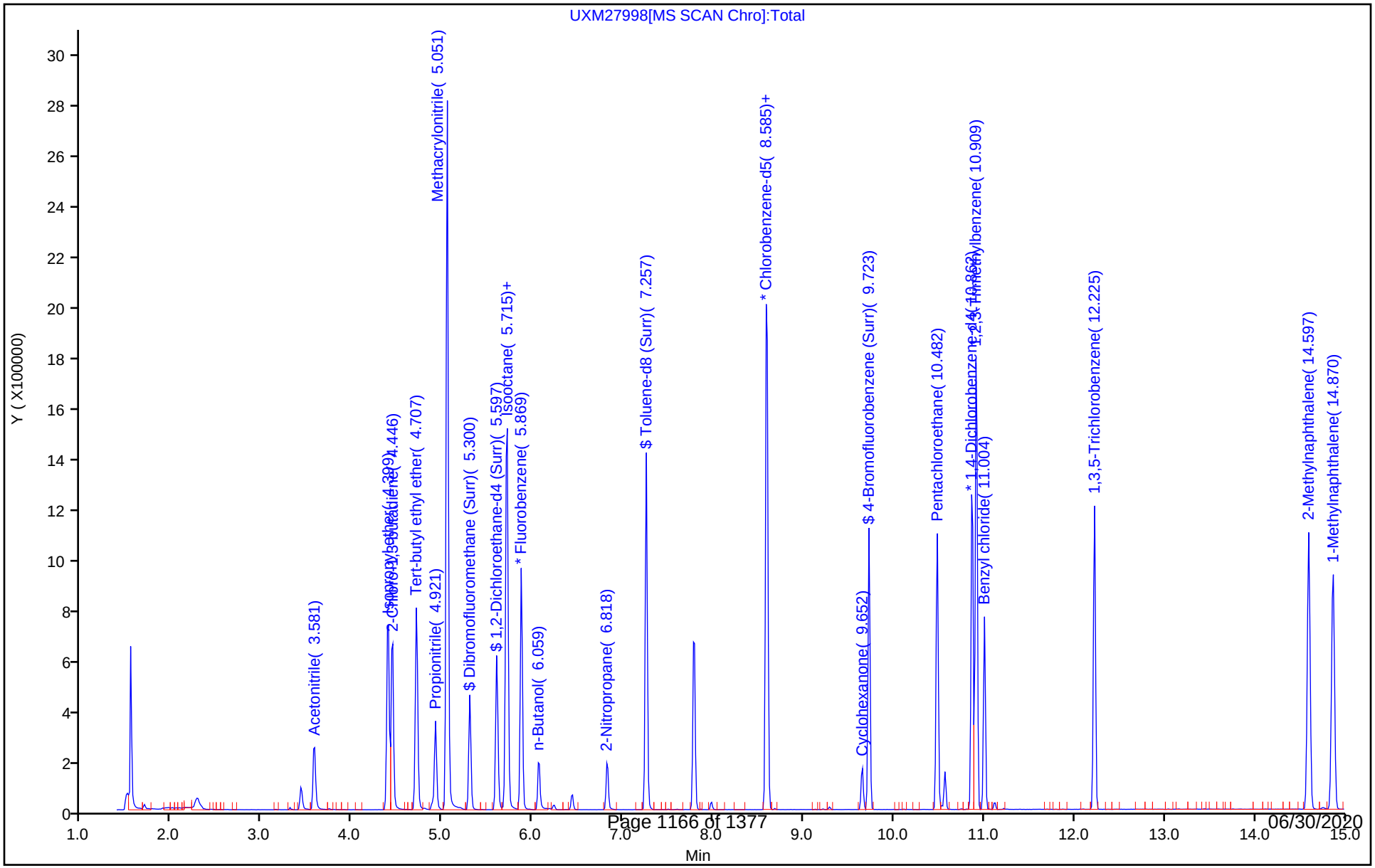
Report Date: 19-May-2020 16:30:30 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27998.D

Injection Date:	18-May-2020 16:21:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	ICV a9			Worklist Smp#:	25
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-434666/25 Calibration Date: 05/18/2020 16:21

Instrument ID: A3UX16 Calib Start Date: 05/18/2020 13:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/18/2020 15:56

Lab File ID: UXM27998.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0338	0.0335		0.198	0.200	-1.0	30.0
Diisopropyl ether	Ave	0.2462	0.2613		0.0212	0.0200	6.1	30.0
2-Chloro-1,3-butadiene	Ave	0.4163	0.4479		0.0215	0.0200	7.6	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7263	0.7685		0.0212	0.0200	5.8	30.0
Propionitrile	Ave	0.0369	0.0385		0.209	0.200	4.3	30.0
Methacrylonitrile	Ave	0.1342	0.1375		0.205	0.200	2.4	30.0
Tert-amyl-methyl ether (TAME)	Ave	0.7175	0.7815		0.0218	0.0200	8.9	30.0
n-Butanol	Ave	0.0057	0.0059		0.517	0.500	3.5	30.0
2-Nitropropane	Ave	0.0674	0.0683		0.0405	0.0400	1.3	30.0
1-Chlorohexane	Ave	0.5712	0.6019		0.0211	0.0200	5.4	30.0
Cyclohexanone	Ave	0.0183	0.0171		0.187	0.200	-6.4	30.0
Pentachloroethane	Lin1		0.1481		0.0269	0.0400	-32.6*	30.0
1,2,3-Trimethylbenzene	Ave	2.714	2.967		0.0219	0.0200	9.3	30.0
Benzyl chloride	Ave	0.3360	0.3304		0.0197	0.0200	-1.7	30.0
1,3,5-Trichlorobenzene	Ave	1.038	1.085		0.0209	0.0200	4.6	30.0
2-Methylnaphthalene	Ave	1.186	0.998		0.0337	0.0400	-15.9	30.0

Eurofins TestAmerica, Canton

Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27998.D
Lims ID: ICV a9
Client ID:
Sample Type: ICV
Inject. Date: 18-May-2020 16:21:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-025
Operator ID: 001765 Instrument ID: A3UX16
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 19-May-2020 16:30:29 Calib Date: 18-May-2020 15:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27997.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0317

First Level Reviewer: stillert Date: 19-May-2020 16:30:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	100	817035	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	84	713522	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.874	10.862	0.012	93	379474	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	93	237541	20.0	20.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	-0.001	99	246835	20.0	18.9	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	92	895965	20.0	18.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	91	370574	20.0	20.5	
25 Acetonitrile	41	3.581	3.569	0.012	99	273816	200.0	198.1	
36 Isopropyl ether	87	4.399	4.399	0.000	91	213496	20.0	21.2	
37 2-Chloro-1,3-butadiene	53	4.446	4.446	0.000	90	365974	20.0	21.5	
38 Tert-butyl ethyl ether	59	4.707	4.707	0.000	95	627904	20.0	21.2	
42 Propionitrile	54	4.921	4.920	0.001	99	314282	200.0	208.6	
44 Methacrylonitrile	41	5.051	5.051	0.000	88	1123345	200.0	204.8	
163 Isooctane	57	5.703	5.703	0.000	97	735303	20.0	21.5	
55 Tert-amyl methyl ether	73	5.715	5.715	0.000	98	638538	20.0	21.8	
57 n-Butanol	56	6.059	6.059	0.000	83	120613	500.0	517.4	
66 2-Nitropropane	41	6.818	6.818	0.000	99	111631	40.0	40.5	
81 1-Chlorohexane	91	8.585	8.585	0.000	90	429480	20.0	21.1	
91 Cyclohexanone	55	9.652	9.652	0.000	89	64953	200.0	187.2	
103 Pentachloroethane	167	10.482	10.482	0.000	94	211267	40.0	26.9	
109 1,2,3-Trimethylbenzene	105	10.909	10.909	0.000	97	1125816	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
110 Benzyl chloride	126	11.004	11.004	0.000	99	125362	20.0	19.7	
114 1,3,5-Trichlorobenzene	180	12.225	12.225	0.000	98	411912	20.0	20.9	
119 2-Methylnaphthalene	142	14.597	14.597	0.000	93	757584	40.0	33.7	
162 1-Methylnaphthalene	142	14.870	14.870	0.000	0	677051	40.0	34.5	

Reagents:

vmfasa9w_00276	Amount Added: 16.00	Units: uL	
vm50is_stk_a_00006	Amount Added: 2.00	Units: uL	Run Reagent
vmDist_H2o_00167	Amount Added: 0.00	Units:	Run Reagent
vm50ss_stk_00083	Amount Added: 2.00	Units: uL	Run Reagent

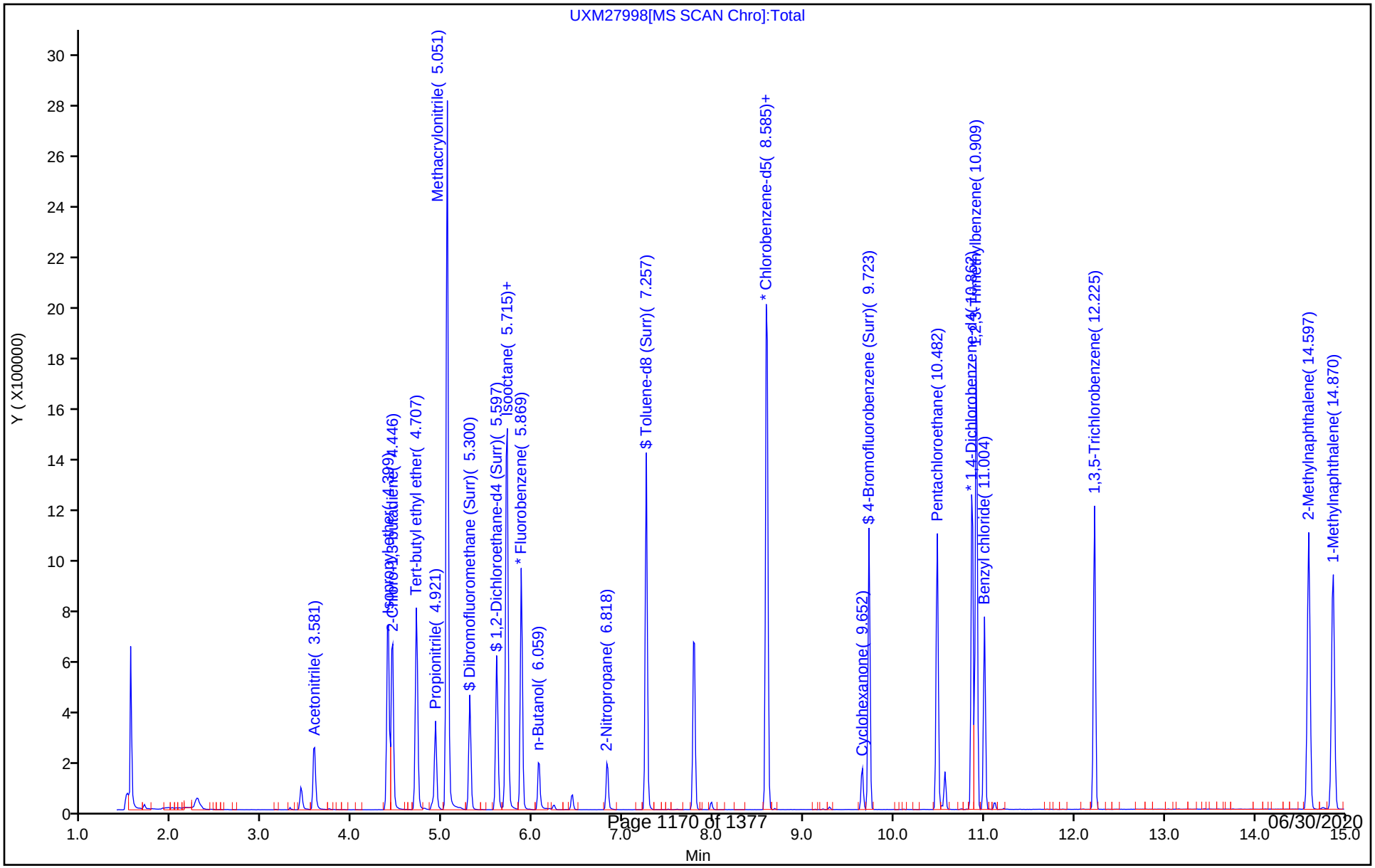
Report Date: 19-May-2020 16:30:30 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\UXM27998.D

Injection Date:	18-May-2020 16:21:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	ICV a9			Worklist Smp#:	25
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-439793/16 Calibration Date: 06/24/2020 12:42

Instrument ID: A3UX16 Calib Start Date: 06/24/2020 09:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/24/2020 12:17

Lab File ID: UXM29203.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2348	0.2739	0.1000	0.0233	0.0200	16.7	30.0
Chloromethane	Ave	0.2997	0.3288	0.1000	0.0219	0.0200	9.7	30.0
Vinyl chloride	Ave	0.2998	0.3430	0.1000	0.0229	0.0200	14.4	30.0
Butadiene	Ave	0.2636	0.3207		0.0243	0.0200	21.7	30.0
Bromomethane	Ave	0.1573	0.1452	0.0500	0.0185	0.0200	-7.7	30.0
Chloroethane	Ave	0.1856	0.2045	0.0500	0.0220	0.0200	10.2	30.0
Dichlorofluoromethane	Ave	0.4318	0.4662		0.0216	0.0200	8.0	30.0
Trichlorofluoromethane	Ave	0.3111	0.3630	0.1000	0.0233	0.0200	16.7	30.0
Ethyl ether	Ave	0.2064	0.2072		0.0201	0.0200	0.4	30.0
Acrolein	Ave	0.0259	0.0195		0.0750	0.100	-25.0	30.0
1,1-Dichloroethene	Ave	0.2212	0.2267	0.1000	0.0205	0.0200	2.5	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.1749	0.1755	0.0500	0.0201	0.0200	0.3	30.0
Acetone	Lin1		0.0233	0.0100	0.0368	0.0400	-8.0	50.0
Iodomethane	Ave	0.3260	0.3142		0.0193	0.0200	-3.6	30.0
Carbon disulfide	Ave	0.7294	0.7309	0.1000	0.0200	0.0200	0.2	30.0
Methyl acetate	Ave	0.1857	0.1749	0.1000	0.0377	0.0400	-5.8	50.0
3-Chloro-1-propene	Ave	0.4167	0.4028		0.0193	0.0200	-3.3	30.0
Methylene Chloride	Ave	0.2816	0.2729	0.1000	0.0194	0.0200	-3.1	50.0
tert-Butyl alcohol	Ave	0.0227	0.0209		0.184	0.200	-8.0	30.0
Acrylonitrile	Ave	0.1020	0.0972		0.190	0.200	-4.8	30.0
Methyl tert-butyl ether	Ave	0.6829	0.6592	0.1000	0.0193	0.0200	-3.5	30.0
trans-1,2-Dichloroethene	Ave	0.2618	0.2630	0.1000	0.0201	0.0200	0.5	30.0
Hexane	Ave	0.3942	0.3967		0.0201	0.0200	0.6	30.0
Vinyl acetate	Ave	0.3216	0.2913		0.0181	0.0200	-9.4	30.0
1,1-Dichloroethane	Ave	0.4736	0.4634	0.2000	0.0196	0.0200	-2.1	30.0
2-Butanone	Ave	0.0307	0.0282	0.0100	0.0367	0.0400	-8.2	50.0
cis-1,2-Dichloroethene	Ave	0.2902	0.2889	0.1000	0.0199	0.0200	-0.5	30.0
2,2-Dichloropropane	Ave	0.3876	0.3698		0.0191	0.0200	-4.6	30.0
Bromochloromethane	Ave	0.1240	0.1183		0.0191	0.0200	-4.6	30.0
Tetrahydrofuran	Ave	0.0763	0.0699		0.0366	0.0400	-8.5	30.0
Chloroform	Ave	0.4537	0.4284	0.2000	0.0189	0.0200	-5.6	30.0
1,1,1-Trichloroethane	Ave	0.3710	0.3644	0.1000	0.0196	0.0200	-1.8	30.0
Cyclohexane	Ave	0.4635	0.4701	0.1000	0.0203	0.0200	1.4	30.0
1,1-Dichloropropene	Ave	0.3684	0.3582		0.0194	0.0200	-2.8	30.0
Carbon tetrachloride	Ave	0.3003	0.2984	0.1000	0.0199	0.0200	-0.6	30.0
Isobutyl alcohol	Ave	0.0072	0.0066		0.460	0.500	-8.0	30.0
Benzene	Ave	1.108	1.071	0.5000	0.0193	0.0200	-3.3	30.0
1,2-Dichloroethane	Ave	0.3446	0.3274	0.1000	0.0190	0.0200	-5.0	30.0
n-Heptane	Lin1		0.2425		0.0188	0.0200	-6.2	30.0
Trichloroethene	Ave	0.2725	0.2708	0.1500	0.0199	0.0200	-0.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-439793/16 Calibration Date: 06/24/2020 12:42

Instrument ID: A3UX16 Calib Start Date: 06/24/2020 09:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/24/2020 12:17

Lab File ID: UXM29203.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4857	0.4671	0.1000	0.0192	0.0200	-3.8	30.0
1,2-Dichloropropane	Ave	0.2712	0.2655	0.1000	0.0196	0.0200	-2.1	30.0
1,4-Dioxane	Ave	0.0032	0.0030		0.380	0.400	-4.9	50.0
Dibromomethane	Ave	0.1446	0.1391		0.0192	0.0200	-3.8	30.0
Bromodichloromethane	Ave	0.3300	0.3246	0.1500	0.0197	0.0200	-1.6	30.0
2-Chloroethyl vinyl ether	Ave	0.1693	0.1592		0.0188	0.0200	-6.0	30.0
cis-1,3-Dichloropropene	Ave	0.4196	0.4056	0.1500	0.0193	0.0200	-3.3	50.0
4-Methyl-2-pentanone	Ave	0.2119	0.1997	0.0500	0.0377	0.0400	-5.8	50.0
Toluene	Ave	1.486	1.441	0.4000	0.0194	0.0200	-3.0	30.0
trans-1,3-Dichloropropene	Ave	0.4827	0.4413	0.1000	0.0183	0.0200	-8.6	30.0
Ethyl methacrylate	Ave	0.3837	0.3778		0.0197	0.0200	-1.5	30.0
1,1,2-Trichloroethane	Ave	0.2709	0.2643	0.1000	0.0195	0.0200	-2.5	30.0
Tetrachloroethene	Ave	0.2754	0.2686	0.1500	0.0195	0.0200	-2.5	30.0
1,3-Dichloropropane	Ave	0.5234	0.5062		0.0193	0.0200	-3.3	30.0
2-Hexanone	Ave	0.1945	0.1852	0.0500	0.0381	0.0400	-4.8	50.0
Dibromochloromethane	Ave	0.2899	0.2795		0.0193	0.0200	-3.6	30.0
1,2-Dibromoethane	Ave	0.2725	0.2658		0.0195	0.0200	-2.5	30.0
Chlorobenzene	Ave	0.9419	0.9092	0.3000	0.0193	0.0200	-3.5	30.0
1,1,1,2-Tetrachloroethane	Ave	0.2935	0.2902		0.0198	0.0200	-1.1	30.0
Ethylbenzene	Ave	0.5174	0.5036		0.0195	0.0200	-2.7	30.0
m-Xylene & p-Xylene	Ave	0.6426	0.6318		0.0197	0.0200	-1.7	30.0
o-Xylene	Ave	0.6173	0.6021		0.0195	0.0200	-2.5	30.0
Styrene	Ave	1.041	1.022	0.3000	0.0196	0.0200	-1.8	30.0
Bromoform	Ave	0.1881	0.1780	0.1000	0.0189	0.0200	-5.4	30.0
Isopropylbenzene	Ave	1.588	1.569	0.1000	0.0198	0.0200	-1.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6824	0.6396	0.3000	0.0187	0.0200	-6.3	30.0
Bromobenzene	Ave	0.6864	0.6661		0.0194	0.0200	-3.0	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2111	0.2054		0.0195	0.0200	-2.7	30.0
1,2,3-Trichloropropane	Ave	0.2125	0.2067		0.0195	0.0200	-2.7	30.0
n-Propylbenzene	Ave	0.8574	0.8263		0.0193	0.0200	-3.6	30.0
2-Chlorotoluene	Ave	0.7130	0.6736		0.0189	0.0200	-5.5	30.0
1,3,5-Trimethylbenzene	Ave	2.472	2.425		0.0196	0.0200	-1.9	30.0
4-Chlorotoluene	Ave	0.7416	0.7160		0.0193	0.0200	-3.5	30.0
tert-Butylbenzene	Ave	2.167	2.075		0.0192	0.0200	-4.2	30.0
1,2,4-Trimethylbenzene	Ave	2.477	2.420		0.0195	0.0200	-2.3	30.0
sec-Butylbenzene	Ave	3.280	3.158		0.0193	0.0200	-3.7	30.0
1,3-Dichlorobenzene	Ave	1.361	1.270	0.6000	0.0187	0.0200	-6.7	30.0
p-Isopropyltoluene	Ave	2.733	2.691		0.0197	0.0200	-1.5	30.0
1,4-Dichlorobenzene	Ave	1.359	1.291	0.5000	0.0190	0.0200	-5.0	30.0
n-Butylbenzene	Ave	2.543	2.424		0.0191	0.0200	-4.7	30.0
1,2-Dichlorobenzene	Ave	1.276	1.169	0.4000	0.0183	0.0200	-8.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-439793/16 Calibration Date: 06/24/2020 12:42

Instrument ID: A3UX16 Calib Start Date: 06/24/2020 09:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/24/2020 12:17

Lab File ID: UXM29203.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1452	0.1349	0.0500	0.0186	0.0200	-7.1	50.0
1,2,4-Trichlorobenzene	Ave	0.7751	0.7294	0.2000	0.0188	0.0200	-5.9	50.0
Hexachlorobutadiene	Ave	0.3610	0.3547		0.0196	0.0200	-1.8	50.0
Naphthalene	Ave	2.064	1.900		0.0184	0.0200	-7.9	50.0
1,2,3-Trichlorobenzene	Ave	0.6719	0.6528		0.0194	0.0200	-2.9	30.0
Dibromofluoromethane (Surr)	Ave	0.2321	0.2437		0.0210	0.0200	5.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2826	0.3016		0.0213	0.0200	6.7	30.0
Toluene-d8 (Surr)	Ave	1.258	1.326		0.0211	0.0200	5.4	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4625	0.5267		0.0228	0.0200	13.9	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29203.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 24-Jun-2020 12:42:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099464-016
Operator ID: 001765 Instrument ID: A3UX16
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Jun-2020 13:02:31 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1005

First Level Reviewer: bosworthh Date: 24-Jun-2020 13:00:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1105374	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	855306	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	95	457266	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	269326	20.0	21.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.596	0.001	98	333427	20.0	21.3	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1133765	20.0	21.1	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	450520	20.0	22.8	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	99	302797	20.0	23.3	
10 Chloromethane	50	1.909	1.908	0.001	99	363453	20.0	21.9	
11 Vinyl chloride	62	2.027	2.027	0.000	98	379165	20.0	22.9	
12 Butadiene	54	2.063	2.074	-0.011	97	354526	20.0	24.3	
13 Bromomethane	94	2.371	2.371	0.000	90	160514	20.0	18.5	
14 Chloroethane	64	2.490	2.489	0.001	99	226065	20.0	22.0	
15 Dichlorofluoromethane	67	2.715	2.727	-0.012	97	515339	20.0	21.6	
16 Trichlorofluoromethane	101	2.751	2.750	0.001	98	401261	20.0	23.3	
17 Ethyl ether	59	3.035	3.035	0.000	90	229068	20.0	20.1	
18 Acrolein	56	3.166	3.165	0.001	98	107575	100.0	75.0	
19 1,1-Dichloroethene	96	3.261	3.260	0.000	98	250566	20.0	20.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.272	3.272	0.000	92	193957	20.0	20.1	
21 Acetone	58	3.308	3.308	0.000	100	51473	40.0	36.8	
23 Iodomethane	142	3.415	3.414	0.001	97	347280	20.0	19.3	
24 Carbon disulfide	76	3.474	3.474	0.000	99	807865	20.0	20.0	
27 Methyl acetate	43	3.593	3.604	-0.011	97	386590	40.0	37.7	
26 3-Chloro-1-propene	41	3.616	3.616	0.000	93	445216	20.0	19.3	
28 Methylene Chloride	84	3.735	3.735	0.000	92	301704	20.0	19.4	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	99	230570	200.0	184.1	
30 Acrylonitrile	53	3.948	3.948	0.000	99	1073828	200.0	190.4	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	96	728627	20.0	19.3	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	99	290677	20.0	20.1	
33 Hexane	57	4.221	4.221	0.000	91	438489	20.0	20.1	
35 Vinyl acetate	43	4.363	4.363	0.000	97	321975	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
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	512260	20.0	19.6	
40 2-Butanone (MEK)	72	4.861	4.861	0.000	99	62315	40.0	36.7	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	82	319322	20.0	19.9	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	88	408809	20.0	19.1	
46 Tetrahydrofuran	42	5.087	5.087	0.001	88	154422	40.0	36.6	
45 Chlorobromomethane	128	5.087	5.087	0.001	97	130724	20.0	19.1	
47 Chloroform	83	5.158	5.158	0.000	94	473561	20.0	18.9	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	99	402789	20.0	19.6	
49 Cyclohexane	56	5.371	5.371	0.000	89	519673	20.0	20.3	
51 Carbon tetrachloride	117	5.442	5.442	0.000	81	329861	20.0	19.9	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	96	395936	20.0	19.4	
52 Isobutyl alcohol	41	5.502	5.502	0.000	95	182250	500.0	460.0	
54 Benzene	78	5.620	5.620	0.000	96	1184388	20.0	19.3	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	97	361909	20.0	19.0	
56 n-Heptane	57	5.846	5.845	0.001	94	268020	20.0	18.8	
58 Trichloroethene	130	6.178	6.177	0.001	98	299319	20.0	19.9	
60 Methylcyclohexane	83	6.391	6.391	0.000	91	516340	20.0	19.2	
61 1,2-Dichloropropane	63	6.403	6.415	-0.012	95	293442	20.0	19.6	
64 1,4-Dioxane	88	6.462	6.462	0.000	94	66243	400.0	380.4	
63 Dibromomethane	93	6.486	6.486	0.000	96	153742	20.0	19.2	
65 Dichlorobromomethane	83	6.628	6.628	0.000	99	358747	20.0	19.7	
67 2-Chloroethyl vinyl ether	63	6.865	6.865	0.000	92	175928	20.0	18.8	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	96	448331	20.0	19.3	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	96	441421	40.0	37.7	
70 Toluene	91	7.316	7.316	0.000	98	1232272	20.0	19.4	
71 trans-1,3-Dichloropropene	75	7.518	7.517	0.001	97	377468	20.0	18.3	
72 Ethyl methacrylate	69	7.541	7.541	0.000	89	323125	20.0	19.7	
73 1,1,2-Trichloroethane	97	7.696	7.695	0.001	91	226024	20.0	19.5	
75 Tetrachloroethene	164	7.779	7.790	-0.011	98	229702	20.0	19.5	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	88	432957	20.0	19.3	
76 2-Hexanone	43	7.885	7.885	0.000	95	316787	40.0	38.1	
78 Chlorodibromomethane	129	8.051	8.051	0.000	90	239080	20.0	19.3	
80 Ethylene Dibromide	107	8.170	8.170	0.000	98	227305	20.0	19.5	
82 Chlorobenzene	112	8.621	8.620	0.001	94	777649	20.0	19.3	
83 1,1,1,2-Tetrachloroethane	131	8.704	8.703	0.001	94	248223	20.0	19.8	
84 Ethylbenzene	106	8.704	8.703	0.001	98	430707	20.0	19.5	
85 m-Xylene & p-Xylene	106	8.822	8.822	0.000	97	540388	20.0	19.7	
86 o-Xylene	106	9.202	9.201	0.001	96	514944	20.0	19.5	
87 Styrene	104	9.213	9.213	0.000	95	874155	20.0	19.6	
88 Bromoform	173	9.403	9.403	0.000	97	152213	20.0	18.9	
89 Isopropylbenzene	105	9.546	9.545	0.001	96	1342108	20.0	19.8	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	94	292469	20.0	18.7	
93 Bromobenzene	156	9.866	9.865	0.001	97	304590	20.0	19.4	
94 trans-1,4-Dichloro-2-butene	53	9.878	9.877	0.001	73	93932	20.0	19.5	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	80	94527	20.0	19.5	
96 N-Propylbenzene	120	9.949	9.948	0.001	99	377857	20.0	19.3	
97 2-Chlorotoluene	126	10.055	10.055	0.000	97	308015	20.0	18.9	
99 1,3,5-Trimethylbenzene	105	10.127	10.126	0.001	94	1108714	20.0	19.6	
100 4-Chlorotoluene	126	10.174	10.174	0.000	97	327378	20.0	19.3	
102 tert-Butylbenzene	119	10.447	10.447	0.000	93	948997	20.0	19.2	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	96	1106413	20.0	19.5	
105 sec-Butylbenzene	105	10.660	10.660	0.000	94	1444217	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
106 1,3-Dichlorobenzene	146	10.791	10.790	0.001	98	580589	20.0	18.7	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	1230676	20.0	19.7	
108 1,4-Dichlorobenzene	146	10.886	10.885	0.001	94	590135	20.0	19.0	
111 n-Butylbenzene	91	11.218	11.217	0.001	97	1108532	20.0	19.1	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	98	534713	20.0	18.3	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	86	61691	20.0	18.6	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	94	333521	20.0	18.8	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	97	162171	20.0	19.6	
117 Naphthalene	128	13.151	13.150	0.000	97	868874	20.0	18.4	
118 1,2,3-Trichlorobenzene	180	13.400	13.399	0.001	96	298495	20.0	19.4	
S 158 Total BTEX	1				0		100.0	97.4	
S 134 Trihalomethanes, Total	1				0		80.0	76.8	
S 133 Xylenes, Total	106				0		40.0	39.2	

Reagents:

vmfasgw_00364	Amount Added: 16.00	Units: uL		
vmfasaw_00333	Amount Added: 16.00	Units: uL		
vmfaspw_00355	Amount Added: 16.00	Units: uL		
vm50is_stk_a_00006	Amount Added: 2.00	Units: uL	Run Reagent	
vmDist_H2o_00174	Amount Added: 0.00	Units:	Run Reagent	
vm50ss_stk_00083	Amount Added: 2.00	Units: uL	Run Reagent	

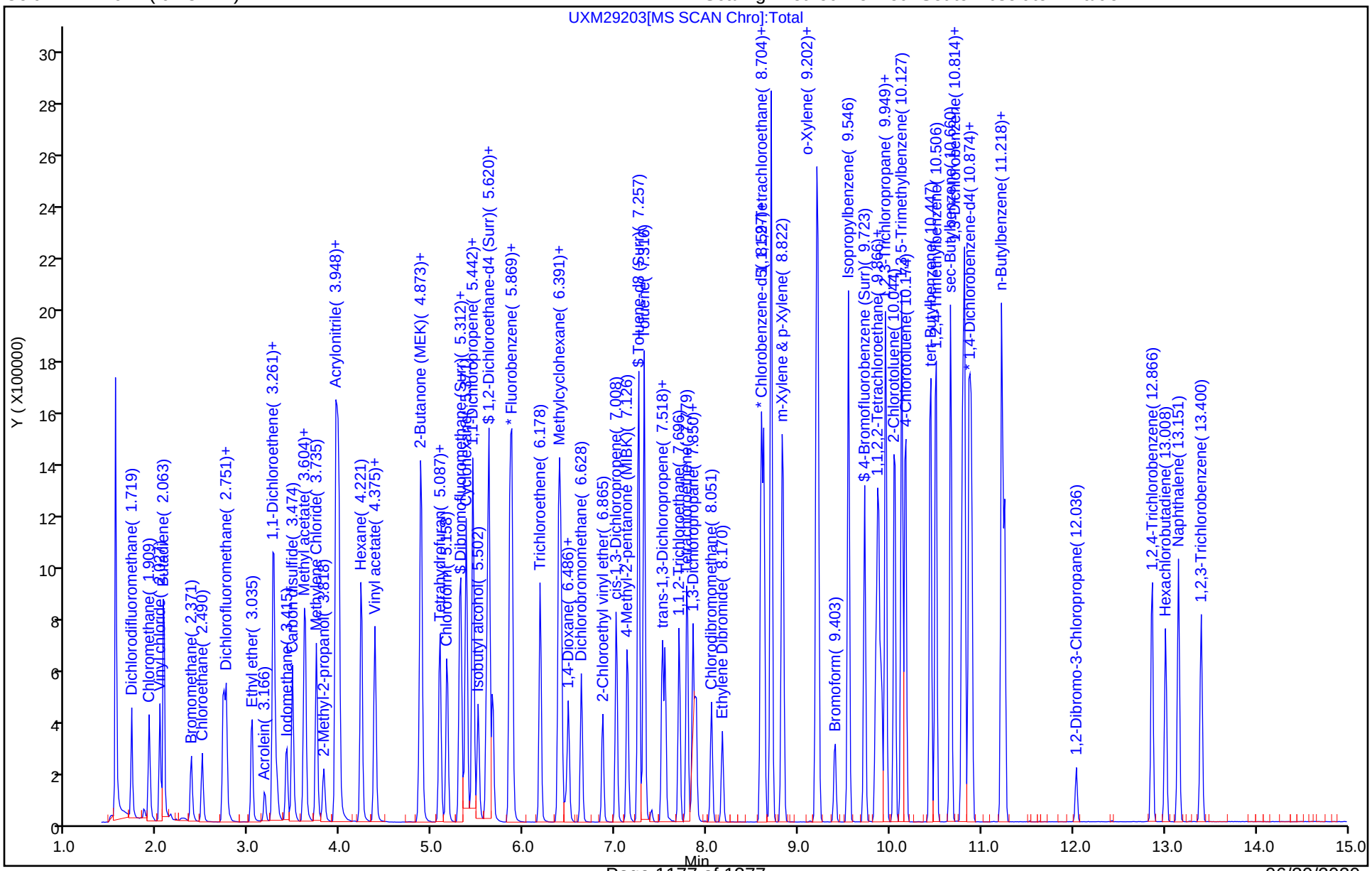
Report Date: 24-Jun-2020 13:02:39 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29203.D

Injection Date:	24-Jun-2020 12:42:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	ICV			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440070/3 Calibration Date: 06/26/2020 00:26

Instrument ID: A3UX16 Calib Start Date: 06/24/2020 09:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/24/2020 12:17

Lab File ID: UXM29279.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2348	0.1983	0.1000	0.0169	0.0200	-15.6	20.0
Chloromethane	Ave	0.2997	0.2662	0.1000	0.0178	0.0200	-11.2	20.0
Vinyl chloride	Ave	0.2998	0.2767	0.1000	0.0185	0.0200	-7.7	20.0
Butadiene	Ave	0.2636	0.2298		0.0174	0.0200	-12.8	20.0
Bromomethane	Ave	0.1573	0.0876	0.0500	0.0111	0.0200	-44.3*	20.0
Chloroethane	Ave	0.1856	0.1707	0.0500	0.0184	0.0200	-8.0	20.0
Dichlorofluoromethane	Ave	0.4318	0.4060		0.0188	0.0200	-6.0	20.0
Trichlorofluoromethane	Ave	0.3111	0.2873	0.1000	0.0185	0.0200	-7.7	20.0
Ethyl ether	Ave	0.2064	0.1823		0.0177	0.0200	-11.7	20.0
Acrolein	Ave	0.0259	0.0200		0.0771	0.100	-22.9*	20.0
1,1-Dichloroethene	Ave	0.2212	0.1924	0.1000	0.0174	0.0200	-13.0	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.1749	0.1434	0.0500	0.0164	0.0200	-18.0	20.0
Acetone	Lin1		0.0198	0.0100	0.0308	0.0400	-22.9	50.0
Iodomethane	Ave	0.3260	0.2808		0.0172	0.0200	-13.9	20.0
Carbon disulfide	Ave	0.7294	0.6452	0.1000	0.0177	0.0200	-11.5	20.0
Methyl acetate	Ave	0.1857	0.1561	0.1000	0.0336	0.0400	-16.0	50.0
3-Chloro-1-propene	Ave	0.4167	0.3451		0.0166	0.0200	-17.2	20.0
Methylene Chloride	Ave	0.2816	0.2340	0.1000	0.0166	0.0200	-16.9	50.0
tert-Butyl alcohol	Ave	0.0227	0.0178		0.157	0.200	-21.4*	20.0
Acrylonitrile	Ave	0.1020	0.0881		0.173	0.200	-13.7	20.0
Methyl tert-butyl ether	Ave	0.6829	0.6059	0.1000	0.0177	0.0200	-11.3	20.0
trans-1,2-Dichloroethene	Ave	0.2618	0.2289	0.1000	0.0175	0.0200	-12.6	20.0
Hexane	Ave	0.3942	0.3206		0.0163	0.0200	-18.7	20.0
Vinyl acetate	Ave	0.3216	0.2361		0.0147	0.0200	-26.6*	20.0
1,1-Dichloroethane	Ave	0.4736	0.4179	0.2000	0.0177	0.0200	-11.7	20.0
2-Butanone	Ave	0.0307	0.0245	0.0100	0.0319	0.0400	-20.2	50.0
cis-1,2-Dichloroethene	Ave	0.2902	0.2526	0.1000	0.0174	0.0200	-13.0	20.0
2,2-Dichloropropane	Ave	0.3876	0.3015		0.0156	0.0200	-22.2*	20.0
Bromochloromethane	Ave	0.1240	0.1070		0.0173	0.0200	-13.7	20.0
Tetrahydrofuran	Ave	0.0763	0.0640		0.0335	0.0400	-16.2	20.0
Chloroform	Ave	0.4537	0.3910	0.2000	0.0172	0.0200	-13.8	20.0
1,1,1-Trichloroethane	Ave	0.3710	0.3257	0.1000	0.0176	0.0200	-12.2	20.0
Cyclohexane	Ave	0.4635	0.3969	0.1000	0.0171	0.0200	-14.4	20.0
1,1-Dichloropropene	Ave	0.3684	0.3287		0.0178	0.0200	-10.8	20.0
Carbon tetrachloride	Ave	0.3003	0.2697	0.1000	0.0180	0.0200	-10.2	20.0
Isobutyl alcohol	Ave	0.0072	0.0059		0.409	0.500	-18.1	20.0
Benzene	Ave	1.108	0.9802	0.5000	0.0177	0.0200	-11.6	20.0
1,2-Dichloroethane	Ave	0.3446	0.3040	0.1000	0.0176	0.0200	-11.8	20.0
n-Heptane	Lin1		0.2089		0.0158	0.0200	-20.9*	20.0
Trichloroethene	Ave	0.2725	0.2498	0.1500	0.0183	0.0200	-8.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440070/3 Calibration Date: 06/26/2020 00:26

Instrument ID: A3UX16 Calib Start Date: 06/24/2020 09:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/24/2020 12:17

Lab File ID: UXM29279.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4857	0.3962	0.1000	0.0163	0.0200	-18.4	20.0
1,2-Dichloropropane	Ave	0.2712	0.2432	0.1000	0.0179	0.0200	-10.3	20.0
1,4-Dioxane	Ave	0.0032	0.0025		0.315	0.400	-21.3	50.0
Dibromomethane	Ave	0.1446	0.1281		0.0177	0.0200	-11.4	20.0
Bromodichloromethane	Ave	0.3300	0.2905	0.1500	0.0176	0.0200	-12.0	20.0
2-Chloroethyl vinyl ether	Ave	0.1693	0.1470		0.0347	0.0400	-13.2	20.0
cis-1,3-Dichloropropene	Ave	0.4196	0.3736	0.1500	0.0178	0.0200	-10.9	50.0
4-Methyl-2-pentanone	Ave	0.2119	0.1830	0.0500	0.0345	0.0400	-13.6	50.0
Toluene	Ave	1.486	1.304	0.4000	0.0176	0.0200	-12.2	20.0
trans-1,3-Dichloropropene	Ave	0.4827	0.4316	0.1000	0.0179	0.0200	-10.6	20.0
Ethyl methacrylate	Ave	0.3837	0.3434		0.0179	0.0200	-10.5	20.0
1,1,2-Trichloroethane	Ave	0.2709	0.2460	0.1000	0.0182	0.0200	-9.2	20.0
Tetrachloroethene	Ave	0.2754	0.2332	0.1500	0.0169	0.0200	-15.3	20.0
1,3-Dichloropropane	Ave	0.5234	0.4753		0.0182	0.0200	-9.2	20.0
2-Hexanone	Ave	0.1945	0.1659	0.0500	0.0341	0.0400	-14.7	50.0
Dibromochloromethane	Ave	0.2899	0.2534		0.0175	0.0200	-12.6	20.0
1,2-Dibromoethane	Ave	0.2725	0.2449		0.0180	0.0200	-10.1	20.0
Chlorobenzene	Ave	0.9419	0.8225	0.3000	0.0175	0.0200	-12.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2935	0.2660		0.0181	0.0200	-9.4	20.0
Ethylbenzene	Ave	0.5174	0.4503		0.0174	0.0200	-13.0	20.0
m-Xylene & p-Xylene	Ave	0.6426	0.5596		0.0174	0.0200	-12.9	20.0
o-Xylene	Ave	0.6173	0.5436		0.0176	0.0200	-11.9	20.0
Styrene	Ave	1.041	0.9239	0.3000	0.0177	0.0200	-11.3	20.0
Bromoform	Ave	0.1881	0.1631	0.1000	0.0173	0.0200	-13.3	20.0
Isopropylbenzene	Ave	1.588	1.395	0.1000	0.0176	0.0200	-12.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6824	0.5527	0.3000	0.0162	0.0200	-19.0	20.0
Bromobenzene	Ave	0.6864	0.5978		0.0174	0.0200	-12.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2111	0.1688		0.0160	0.0200	-20.0	20.0
1,2,3-Trichloropropane	Ave	0.2125	0.1827		0.0172	0.0200	-14.0	20.0
n-Propylbenzene	Ave	0.8574	0.7319		0.0171	0.0200	-14.6	20.0
2-Chlorotoluene	Ave	0.7130	0.6128		0.0172	0.0200	-14.1	20.0
1,3,5-Trimethylbenzene	Ave	2.472	2.166		0.0175	0.0200	-12.4	20.0
4-Chlorotoluene	Ave	0.7416	0.6391		0.0172	0.0200	-13.8	20.0
tert-Butylbenzene	Ave	2.167	1.888		0.0174	0.0200	-12.8	20.0
1,2,4-Trimethylbenzene	Ave	2.477	2.174		0.0176	0.0200	-12.2	20.0
sec-Butylbenzene	Ave	3.280	2.818		0.0172	0.0200	-14.1	20.0
1,3-Dichlorobenzene	Ave	1.361	1.163	0.6000	0.0171	0.0200	-14.5	20.0
p-Isopropyltoluene	Ave	2.733	2.396		0.0175	0.0200	-12.3	20.0
1,4-Dichlorobenzene	Ave	1.359	1.183	0.5000	0.0174	0.0200	-12.9	20.0
n-Butylbenzene	Ave	2.543	2.187		0.0172	0.0200	-14.0	20.0
1,2-Dichlorobenzene	Ave	1.276	1.098	0.4000	0.0172	0.0200	-14.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440070/3 Calibration Date: 06/26/2020 00:26

Instrument ID: A3UX16 Calib Start Date: 06/24/2020 09:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/24/2020 12:17

Lab File ID: UXM29279.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1452	0.1201	0.0500	0.0165	0.0200	-17.3	50.0
1,2,4-Trichlorobenzene	Ave	0.7751	0.6408	0.2000	0.0165	0.0200	-17.3	50.0
Hexachlorobutadiene	Ave	0.3610	0.3031		0.0168	0.0200	-16.0	50.0
Naphthalene	Ave	2.064	1.674		0.0162	0.0200	-18.9	50.0
1,2,3-Trichlorobenzene	Ave	0.6719	0.5760		0.0171	0.0200	-14.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2321	0.2366		0.0204	0.0200	1.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2826	0.2981		0.0211	0.0200	5.5	20.0
Toluene-d8 (Surr)	Ave	1.258	1.301		0.0207	0.0200	3.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4625	0.5135		0.0222	0.0200	11.0	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29279.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Jun-2020 00:26:30 ALS Bottle#: 38 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-003
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 07:55:49 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 07:55:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1191942	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	85	915835	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	95	491884	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	282010	20.0	20.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.597	5.597	0.000	98	355371	20.0	21.1	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1191849	20.0	20.7	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	470277	20.0	22.2	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	99	236316	20.0	16.9	
10 Chloromethane	50	1.909	1.909	0.000	99	317339	20.0	17.8	
11 Vinyl chloride	62	2.027	2.027	0.000	98	329853	20.0	18.5	
12 Butadiene	54	2.063	2.063	0.000	97	273942	20.0	17.4	
13 Bromomethane	94	2.371	2.371	0.000	90	104393	20.0	11.1	
14 Chloroethane	64	2.490	2.490	0.000	99	203491	20.0	18.4	
15 Dichlorofluoromethane	67	2.715	2.715	0.000	97	483966	20.0	18.8	
16 Trichlorofluoromethane	101	2.751	2.751	0.000	98	342471	20.0	18.5	
17 Ethyl ether	59	3.035	3.035	0.000	90	217236	20.0	17.7	
18 Acrolein	56	3.166	3.166	0.000	99	119206	100.0	77.1	
19 1,1-Dichloroethene	96	3.260	3.260	0.000	98	229380	20.0	17.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.272	3.272	0.000	92	170890	20.0	16.4	
21 Acetone	58	3.308	3.308	0.000	100	47207	40.0	30.8	
23 Iodomethane	142	3.415	3.415	0.000	97	334640	20.0	17.2	
24 Carbon disulfide	76	3.474	3.474	0.000	99	768993	20.0	17.7	
27 Methyl acetate	43	3.593	3.593	0.000	98	372058	40.0	33.6	
26 3-Chloro-1-propene	41	3.616	3.616	0.000	92	411277	20.0	16.6	
28 Methylene Chloride	84	3.735	3.735	0.000	93	278967	20.0	16.6	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	100	212206	200.0	157.1	
30 Acrylonitrile	53	3.948	3.948	0.000	100	1050167	200.0	172.7	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	96	722145	20.0	17.7	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	98	272829	20.0	17.5	
33 Hexane	57	4.221	4.221	0.000	91	382128	20.0	16.3	
35 Vinyl acetate	43	4.363	4.363	0.000	97	281461	20.0	14.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	498144	20.0	17.7	
40 2-Butanone (MEK)	72	4.861	4.861	0.000	99	58420	40.0	31.9	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	82	301132	20.0	17.4	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	88	359344	20.0	15.6	
46 Tetrahydrofuran	42	5.087	5.087	0.000	89	152452	40.0	33.5	
45 Chlorobromomethane	128	5.087	5.087	0.000	97	127499	20.0	17.3	
47 Chloroform	83	5.158	5.158	0.000	94	466056	20.0	17.2	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	99	388191	20.0	17.6	
49 Cyclohexane	56	5.371	5.371	0.000	89	473083	20.0	17.1	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	95	391745	20.0	17.8	
51 Carbon tetrachloride	117	5.442	5.442	0.000	82	321483	20.0	18.0	
52 Isobutyl alcohol	41	5.502	5.502	0.000	95	174856	500.0	409.3	
54 Benzene	78	5.620	5.620	0.000	97	1168326	20.0	17.7	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	97	362357	20.0	17.6	
56 n-Heptane	57	5.846	5.846	0.000	91	248986	20.0	15.8	
58 Trichloroethene	130	6.178	6.178	0.000	98	297684	20.0	18.3	
60 Methylcyclohexane	83	6.391	6.391	0.000	91	472244	20.0	16.3	
61 1,2-Dichloropropane	63	6.403	6.403	0.000	96	289901	20.0	17.9	
64 1,4-Dioxane	88	6.462	6.462	0.000	93	59083	400.0	314.6	
63 Dibromomethane	93	6.486	6.486	0.000	95	152733	20.0	17.7	
65 Dichlorobromomethane	83	6.628	6.628	0.000	99	346276	20.0	17.6	
67 2-Chloroethyl vinyl ether	63	6.865	6.865	0.000	92	350474	40.0	34.7	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	95	445346	20.0	17.8	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	96	436339	40.0	34.5	
70 Toluene	91	7.316	7.316	0.000	99	1194122	20.0	17.6	
71 trans-1,3-Dichloropropene	75	7.518	7.518	0.000	95	395308	20.0	17.9	
72 Ethyl methacrylate	69	7.541	7.541	0.000	90	314502	20.0	17.9	
73 1,1,2-Trichloroethane	97	7.696	7.696	0.000	91	225276	20.0	18.2	
75 Tetrachloroethene	164	7.790	7.790	0.000	98	213570	20.0	16.9	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	88	435270	20.0	18.2	
76 2-Hexanone	43	7.885	7.885	0.000	95	303785	40.0	34.1	
78 Chlorodibromomethane	129	8.051	8.051	0.000	91	232071	20.0	17.5	
80 Ethylene Dibromide	107	8.170	8.170	0.000	99	224314	20.0	18.0	
82 Chlorobenzene	112	8.621	8.621	0.000	94	753293	20.0	17.5	
84 Ethylbenzene	106	8.704	8.704	0.000	98	412397	20.0	17.4	
83 1,1,1,2-Tetrachloroethane	131	8.704	8.704	0.000	95	243652	20.0	18.1	
85 m-Xylene & p-Xylene	106	8.822	8.822	0.000	97	512491	20.0	17.4	
86 o-Xylene	106	9.202	9.202	0.000	96	497802	20.0	17.6	
87 Styrene	104	9.213	9.213	0.000	94	846146	20.0	17.7	
88 Bromoform	173	9.403	9.403	0.000	98	149362	20.0	17.3	
89 Isopropylbenzene	105	9.545	9.545	0.000	96	1277744	20.0	17.6	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	94	271880	20.0	16.2	
93 Bromobenzene	156	9.866	9.866	0.000	97	294063	20.0	17.4	
94 trans-1,4-Dichloro-2-butene	53	9.878	9.878	0.000	76	83048	20.0	16.0	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	81	89862	20.0	17.2	
96 N-Propylbenzene	120	9.949	9.949	0.000	99	359985	20.0	17.1	
97 2-Chlorotoluene	126	10.055	10.055	0.000	97	301406	20.0	17.2	
99 1,3,5-Trimethylbenzene	105	10.127	10.127	0.000	94	1065254	20.0	17.5	
100 4-Chlorotoluene	126	10.174	10.174	0.000	97	314348	20.0	17.2	
102 tert-Butylbenzene	119	10.447	10.447	0.000	93	928897	20.0	17.4	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	96	1069567	20.0	17.6	
105 sec-Butylbenzene	105	10.660	10.660	0.000	94	1386076	20.0	17.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.791	10.791	0.000	98	572279	20.0	17.1	
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	1178582	20.0	17.5	
108 1,4-Dichlorobenzene	146	10.885	10.885	0.000	95	582035	20.0	17.4	
111 n-Butylbenzene	91	11.218	11.218	0.000	97	1075782	20.0	17.2	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	98	539908	20.0	17.2	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	86	59050	20.0	16.5	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	93	315197	20.0	16.5	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	96	149101	20.0	16.8	
117 Naphthalene	128	13.150	13.150	0.000	97	823539	20.0	16.2	
118 1,2,3-Trichlorobenzene	180	13.399	13.399	0.000	96	283304	20.0	17.1	
S 134 Trihalomethanes, Total	1				0		80.0	69.7	
S 158 Total BTEX	1				0		100.0	87.7	
S 133 Xylenes, Total	106				0		40.0	35.0	

Reagents:

vmrprimw_00391	Amount Added: 16.00	Units: uL		
vmrgas_00344	Amount Added: 16.00	Units: uL		
vmarolistdw_00349	Amount Added: 16.00	Units: uL		
vm50is_stk_a_00006	Amount Added: 2.00	Units: uL	Run Reagent	
vmDist_H2o_00174	Amount Added: 0.00	Units:	Run Reagent	
vm50ss_stk_00085	Amount Added: 2.00	Units: uL	Run Reagent	

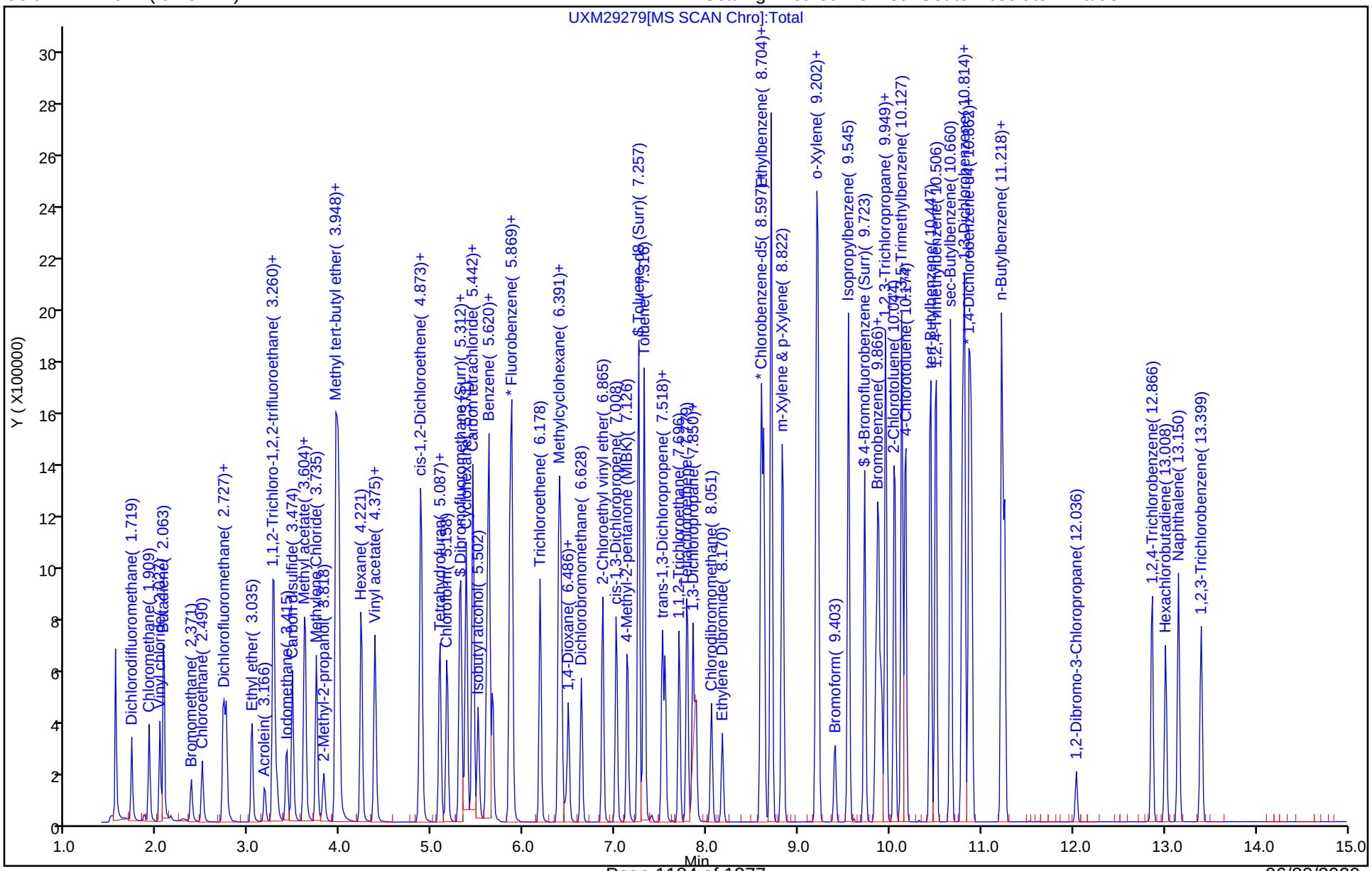
Report Date: 26-Jun-2020 07:55:50 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29279.D

Injection Date:	26-Jun-2020 00:26:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	38
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCV 240-440070/4 Calibration Date: 06/26/2020 00:50

Instrument ID: A3UX16 Calib Start Date: 05/18/2020 13:52

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 05/18/2020 15:56

Lab File ID: UXM29280.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0338	0.0326		0.193	0.200	-3.7	20.0
Diisopropyl ether	Ave	0.2462	0.1855		0.0151	0.0200	-24.7*	20.0
2-Chloro-1,3-butadiene	Ave	0.4163	0.3459		0.0166	0.0200	-16.9	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7263	0.6356		0.0175	0.0200	-12.5	20.0
Ethyl acetate	Ave	0.1886	0.1847		0.0392	0.0400	-2.1	20.0
Propionitrile	Ave	0.0369	0.0344		0.187	0.200	-6.7	20.0
Methacrylonitrile	Ave	0.1342	0.1358		0.202	0.200	1.2	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.7175	0.5690		0.0159	0.0200	-20.7*	20.0
n-Butanol	Ave	0.0057	0.0052		0.459	0.500	-8.2	20.0
Ethyl acrylate	Ave	0.2581	0.2401		0.0186	0.0200	-7.0	20.0
Methyl methacrylate	Ave	0.1730	0.1705		0.0394	0.0400	-1.5	20.0
2-Nitropropane	Ave	0.0674	0.0485		0.0288	0.0400	-28.1*	20.0
n-Butyl acetate	Ave	0.2972	0.2721		0.0183	0.0200	-8.4	20.0
1-Chlorohexane	Ave	0.5712	0.3987		0.0140	0.0200	-30.2*	20.0
Cyclohexanone	Ave	0.0183	0.0168		0.183	0.200	-8.4	20.0
Pentachloroethane	Lin1		0.0230		0.00484	0.0400	-87.9*	20.0
1,2,3-Trimethylbenzene	Ave	2.714	2.009		0.0148	0.0200	-26.0*	20.0
Benzyl chloride	Ave	0.3360	0.1780		0.0106	0.0200	-47.0*	20.0
1,3,5-Trichlorobenzene	Ave	1.038	0.7301		0.0141	0.0200	-29.7*	20.0
2-Methylnaphthalene	Ave	1.186	0.7311		0.0247	0.0400	-38.4*	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29280.D
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 26-Jun-2020 00:50:30 ALS Bottle#: 39 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-004
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 07:56:11 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 07:56:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1190199	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	88	931649	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	481795	20.0	20.0	
25 Acetonitrile	41	3.581	3.581	0.000	99	387921	200.0	192.6	
36 Isopropyl ether	87	4.399	4.399	0.000	94	220757	20.0	15.1	
37 2-Chloro-1,3-butadiene	53	4.446	4.446	0.000	91	411719	20.0	16.6	
38 Tert-butyl ethyl ether	59	4.707	4.707	0.000	98	756531	20.0	17.5	
43 Ethyl acetate	43	4.885	4.885	0.000	99	439571	40.0	39.2	
42 Propionitrile	54	4.921	4.921	0.000	99	409666	200.0	186.6	
44 Methacrylonitrile	41	5.051	5.051	0.000	92	1616721	200.0	202.4	
163 Isooctane	57	5.703	5.703	0.000	95	842532	20.0	16.9	
55 Tert-amyl methyl ether	73	5.715	5.715	0.000	98	677253	20.0	15.9	
57 n-Butanol	56	6.071	6.071	0.000	86	155802	500.0	458.8	
59 Ethyl acrylate	55	6.225	6.225	0.000	99	285750	20.0	18.6	
62 Methyl methacrylate	41	6.427	6.427	0.000	91	405790	40.0	39.4	
66 2-Nitropropane	41	6.818	6.818	0.000	97	115355	40.0	28.8	
77 n-Butyl acetate	43	7.968	7.968	0.000	97	323883	20.0	18.3	
81 1-Chlorohexane	91	8.585	8.585	0.000	98	371446	20.0	14.0	
91 Cyclohexanone	55	9.652	9.652	0.000	91	80740	200.0	183.2	
103 Pentachloroethane	167	10.482	10.482	0.000	91	42917	40.0	4.84	
109 1,2,3-Trimethylbenzene	105	10.909	10.909	0.000	98	967981	20.0	14.8	
110 Benzyl chloride	126	11.004	11.004	0.000	99	85751	20.0	10.6	
114 1,3,5-Trichlorobenzene	180	12.225	12.225	0.000	97	351735	20.0	14.1	
119 2-Methylnaphthalene	142	14.597	14.597	0.000	93	704461	40.0	24.7	
162 1-Methylnaphthalene	142	14.858	14.858	0.000	0	631677	40.0	25.3	

Reagents:

vmra9w_00350	Amount Added:	16.00	Units: uL
vm100is_stk_A_00005	Amount Added:	1.00	Units: uL

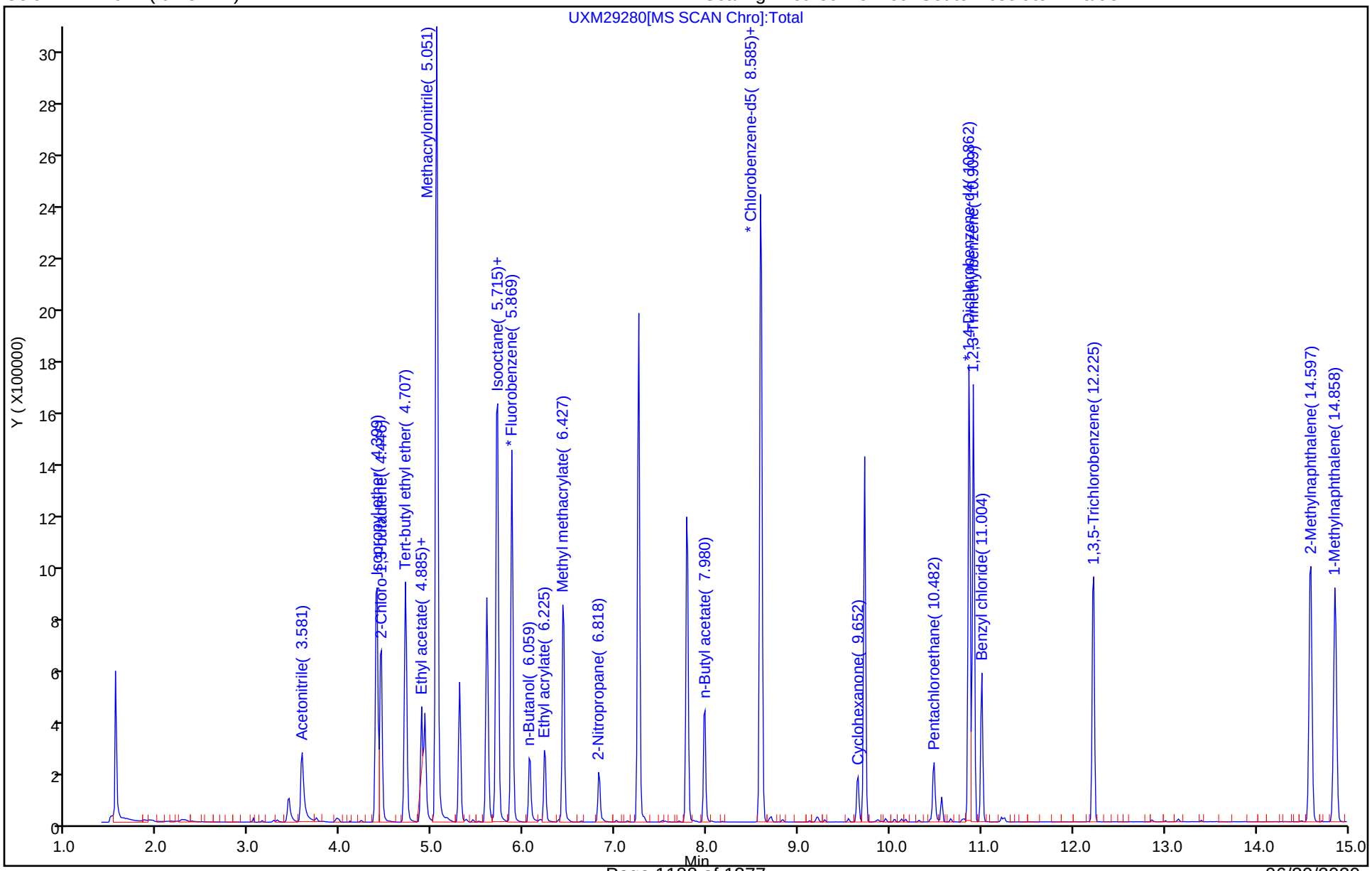
Report Date: 26-Jun-2020 07:56:11 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29280.D

Injection Date:	26-Jun-2020 00:50:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	CCV A9			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	39
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-337917/14 Calibration Date: 07/25/2018 15:37

Instrument ID: A3UX19 Calib Start Date: 07/24/2018 17:50

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/24/2018 20:04

Lab File ID: U1900808.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.2589	0.2758		0.0213	0.0200	6.5	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2744	0.2888		0.0211	0.0200	5.3	30.0
Toluene-d8 (Surr)	Ave	1.204	1.258		0.0209	0.0200	4.5	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4627	0.4749		0.0205	0.0200	2.6	30.0

TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900808.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 25-Jul-2018 15:37:29 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0078311-014
Operator ID: 001904 Instrument ID: A3UX19
Sublist:

Method: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2018 16:30:24 Calib Date: 25-Jul-2018 15:15:13
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900807.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	99	882991	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	82	707956	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	83	413254	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	84	243481	20.0	21.3	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.345	5.357	-0.012	96	255028	20.0	21.1	
$ 6 Toluene-d8 (Surr)	98	7.100	7.100	0.000	93	890649	20.0	20.9	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	90	336222	20.0	20.5	
25 Acetonitrile	41	3.329	3.329	0.000	100	288916	200.0	164.3	
36 Isopropyl ether	87	4.171	4.171	0.000	94	210236	20.0	20.6	
37 2-Chloro-1,3-butadiene	53	4.195	4.195	0.000	86	354575	20.0	20.2	
38 Tert-butyl ethyl ether	59	4.492	4.491	0.001	97	657887	20.0	20.5	
42 Ethyl acetate	43	4.681	4.681	0.000	96	486199	40.0	36.6	
43 Propionitrile	54	4.681	4.681	0.000	59	348995	200.0	193.9	
44 Methacrylonitrile	41	4.824	4.823	0.001	91	1700375	200.0	210.7	
55 Tert-amyl methyl ether	73	5.500	5.499	0.001	91	691178	20.0	20.3	
57 n-Butanol	56	5.891	5.891	0.000	85	188747	500.0	456.8	
59 Ethyl acrylate	55	6.057	6.057	0.000	99	329918	20.0	20.2	
62 Methyl methacrylate	41	6.270	6.270	0.000	91	440657	40.0	40.6	
66 2-Nitropropane	41	6.638	6.638	0.000	98	128315	40.0	40.0	
78 n-Butyl acetate	43	7.883	7.883	0.000	99	386791	20.0	20.4	
81 1-Chlorohexane	91	8.488	8.488	0.000	74	315130	20.0	19.3	
90 Cyclohexanone	55	9.615	9.614	0.000	91	97723	200.0	202.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
100 Pentachloroethane	167	10.492	10.492	0.000	86	279031	40.0	39.0	
106 1,2,3-Trimethylbenzene	105	10.966	10.966	0.000	86	994788	20.0	21.2	
107 Benzyl chloride	91	11.049	11.049	0.000	97	499238	20.0	18.8	
111 1,3,5-Trichlorobenzene	180	12.354	12.354	0.000	97	414514	20.0	19.6	
116 2-Methylnaphthalene	142	14.619	14.619	0.000	89	1147583	40.0	38.8	

Reagents:

VMFASA9W_00194	Amount Added: 16.00	Units: uL	
vm50ss_stk_00077	Amount Added: 2.00	Units: uL	Run Reagent
vmDist_H2o_00121	Amount Added: 0.00	Units:	Run Reagent
vm50is_stk_A_00001	Amount Added: 2.00	Units: uL	Run Reagent

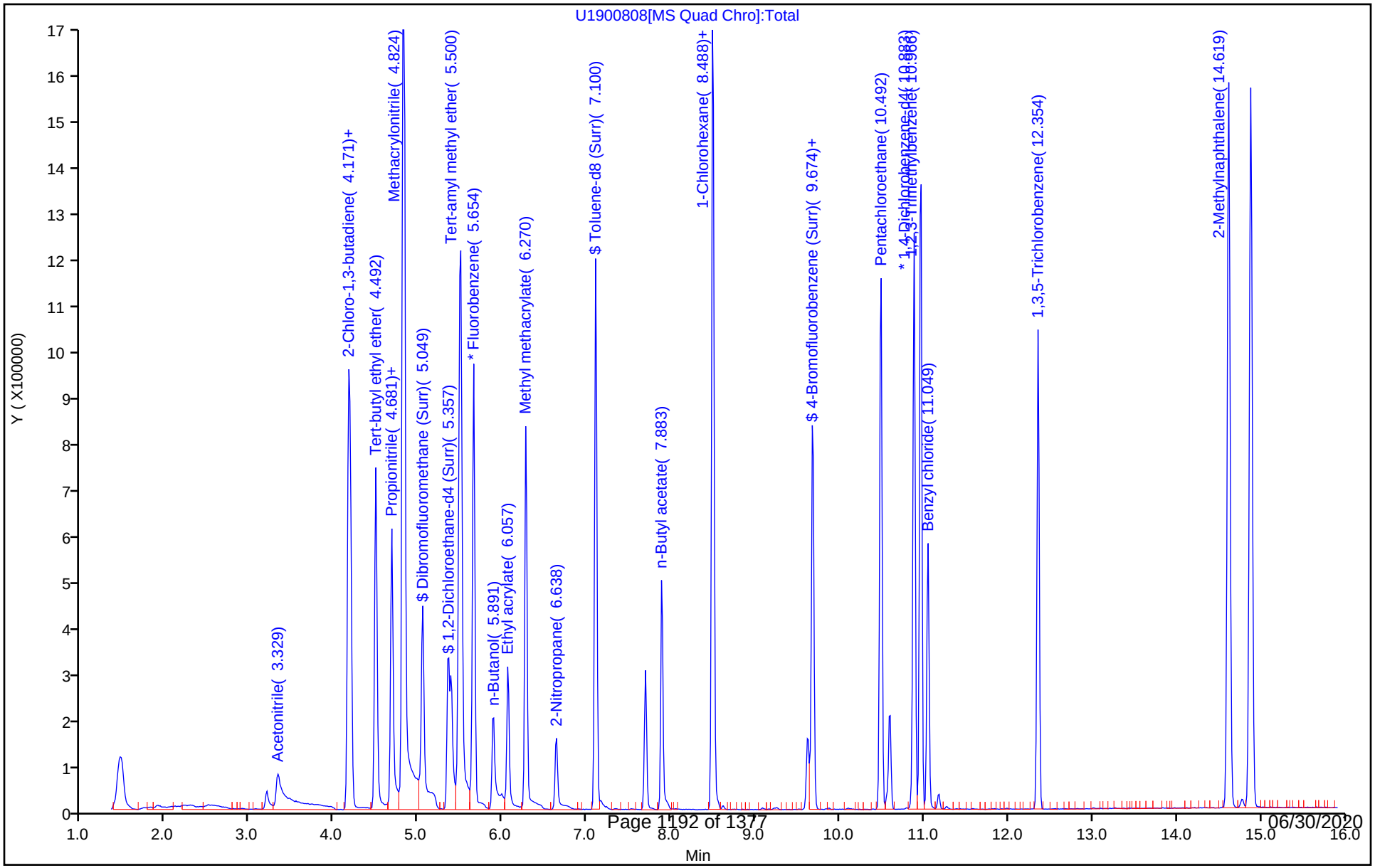
Report Date: 25-Jul-2018 16:30:33 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900808.d

Injection Date:	25-Jul-2018 15:37:29	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	ICV			Worklist Smp#:	14
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-337917/14 Calibration Date: 07/25/2018 15:37

Instrument ID: A3UX19 Calib Start Date: 07/25/2018 13:24

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/25/2018 15:15

Lab File ID: U1900808.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Lin1		0.0327		0.164	0.200	-17.8	30.0
Diisopropyl ether	Ave	0.2313	0.2381		0.0206	0.0200	3.0	30.0
2-Chloro-1,3-butadiene	Ave	0.3979	0.4016		0.0202	0.0200	0.9	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7258	0.7451		0.0205	0.0200	2.7	30.0
Ethyl acetate	Ave	0.3007	0.2753		0.0366	0.0400	-8.5	30.0
Propionitrile	Ave	0.0408	0.0395		0.194	0.200	-3.0	30.0
Methacrylonitrile	Ave	0.1828	0.1926		0.211	0.200	5.3	30.0
Tert-amyl-methyl ether (TAME)	Ave	0.7700	0.7828		0.0203	0.0200	1.7	30.0
n-Butanol	Ave	0.0094	0.0086		0.457	0.500	-8.6	30.0
Ethyl acrylate	Ave	0.3703	0.3736		0.0202	0.0200	0.9	30.0
Methyl methacrylate	Ave	0.2459	0.2495		0.0406	0.0400	1.5	30.0
2-Nitropropane	Ave	0.0726	0.0727		0.0400	0.0400	0.1	30.0
n-Butyl acetate	Ave	0.5364	0.5464		0.0204	0.0200	1.9	30.0
1-Chlorohexane	Ave	0.4610	0.4451		0.0193	0.0200	-3.4	30.0
Cyclohexanone	Ave	0.0137	0.0138		0.202	0.200	1.0	30.0
Pentachloroethane	Ave	0.3462	0.3376		0.0390	0.0400	-2.5	30.0
1,2,3-Trimethylbenzene	Ave	2.276	2.407		0.0212	0.0200	5.8	30.0
Benzyl chloride	Ave	1.286	1.208		0.0188	0.0200	-6.1	30.0
1,3,5-Trichlorobenzene	Ave	1.021	1.003		0.0196	0.0200	-1.8	30.0
2-Methylnaphthalene	Ave	1.433	1.388		0.0388	0.0400	-3.1	30.0

TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900808.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 25-Jul-2018 15:37:29 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0078311-014
Operator ID: 001904 Instrument ID: A3UX19
Sublist:

Method: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2018 16:30:24 Calib Date: 25-Jul-2018 15:15:13
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900807.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK026

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	99	882991	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	82	707956	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	83	413254	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	84	243481	20.0	21.3	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.345	5.357	-0.012	96	255028	20.0	21.1	
$ 6 Toluene-d8 (Surr)	98	7.100	7.100	0.000	93	890649	20.0	20.9	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	90	336222	20.0	20.5	
25 Acetonitrile	41	3.329	3.329	0.000	100	288916	200.0	164.3	
36 Isopropyl ether	87	4.171	4.171	0.000	94	210236	20.0	20.6	
37 2-Chloro-1,3-butadiene	53	4.195	4.195	0.000	86	354575	20.0	20.2	
38 Tert-butyl ethyl ether	59	4.492	4.491	0.001	97	657887	20.0	20.5	
42 Ethyl acetate	43	4.681	4.681	0.000	96	486199	40.0	36.6	
43 Propionitrile	54	4.681	4.681	0.000	59	348995	200.0	193.9	
44 Methacrylonitrile	41	4.824	4.823	0.001	91	1700375	200.0	210.7	
55 Tert-amyl methyl ether	73	5.500	5.499	0.001	91	691178	20.0	20.3	
57 n-Butanol	56	5.891	5.891	0.000	85	188747	500.0	456.8	
59 Ethyl acrylate	55	6.057	6.057	0.000	99	329918	20.0	20.2	
62 Methyl methacrylate	41	6.270	6.270	0.000	91	440657	40.0	40.6	
66 2-Nitropropane	41	6.638	6.638	0.000	98	128315	40.0	40.0	
78 n-Butyl acetate	43	7.883	7.883	0.000	99	386791	20.0	20.4	
81 1-Chlorohexane	91	8.488	8.488	0.000	74	315130	20.0	19.3	
90 Cyclohexanone	55	9.615	9.614	0.000	91	97723	200.0	202.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
100 Pentachloroethane	167	10.492	10.492	0.000	86	279031	40.0	39.0	
106 1,2,3-Trimethylbenzene	105	10.966	10.966	0.000	86	994788	20.0	21.2	
107 Benzyl chloride	91	11.049	11.049	0.000	97	499238	20.0	18.8	
111 1,3,5-Trichlorobenzene	180	12.354	12.354	0.000	97	414514	20.0	19.6	
116 2-Methylnaphthalene	142	14.619	14.619	0.000	89	1147583	40.0	38.8	

Reagents:

VMFASA9W_00194	Amount Added: 16.00	Units: uL	
vm50ss_stk_00077	Amount Added: 2.00	Units: uL	Run Reagent
vmDist_H2o_00121	Amount Added: 0.00	Units:	Run Reagent
vm50is_stk_A_00001	Amount Added: 2.00	Units: uL	Run Reagent

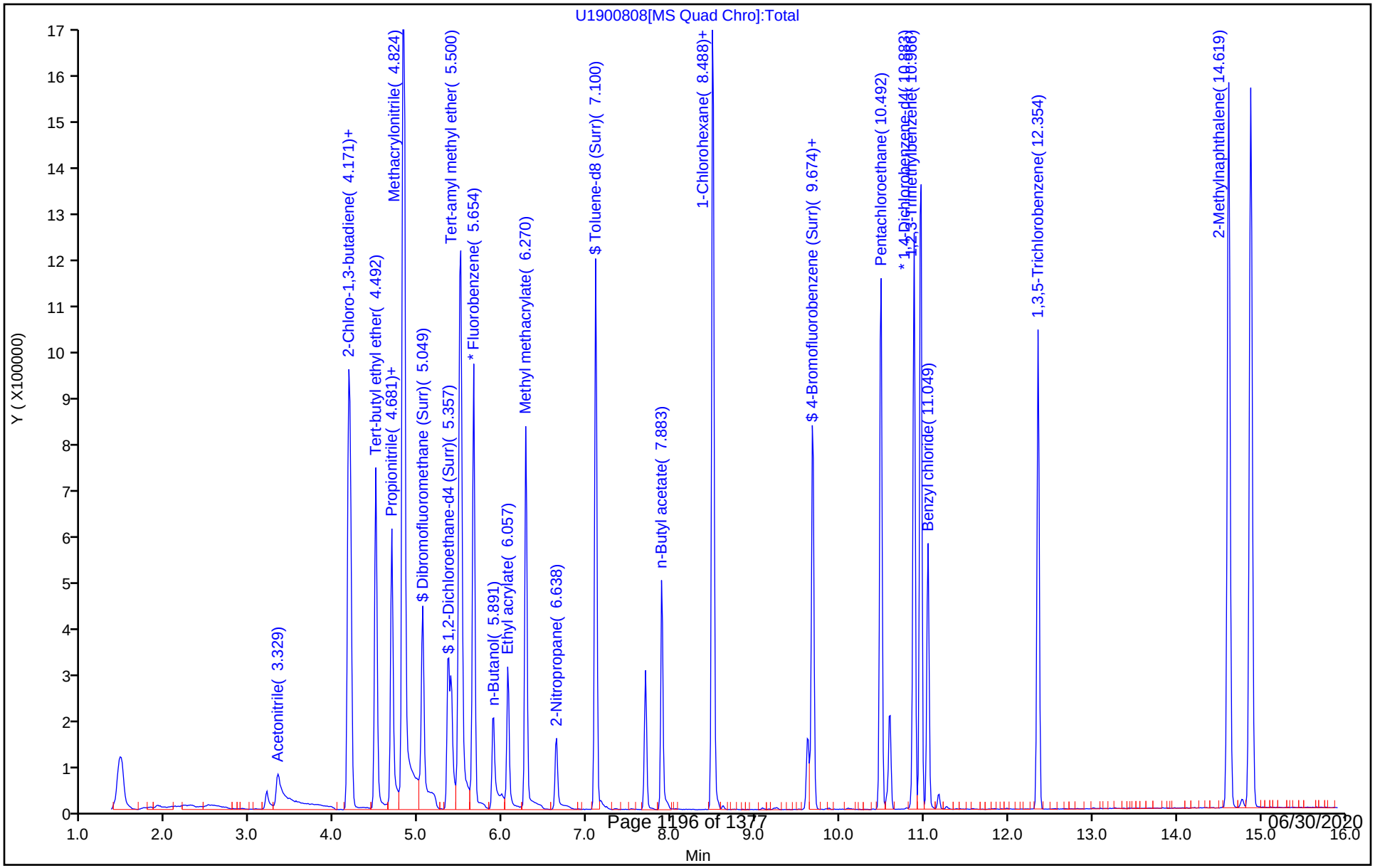
Report Date: 25-Jul-2018 16:30:33 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900808.d

Injection Date:	25-Jul-2018 15:37:29	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	ICV			Worklist Smp#:	14
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-342719/14 Calibration Date: 08/27/2018 19:45

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1901330.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3850	0.2913	0.1000	0.0151	0.0200	-24.3	30.0
Chloromethane	Ave	0.2883	0.2492	0.1000	0.0173	0.0200	-13.6	30.0
Butadiene	Ave	0.2887	0.2477		0.0172	0.0200	-14.2	30.0
Vinyl chloride	Ave	0.2980	0.2874	0.1000	0.0193	0.0200	-3.5	30.0
Bromomethane	Ave	0.2335	0.2187	0.0500	0.0187	0.0200	-6.3	30.0
Chloroethane	Ave	0.1848	0.1799	0.0500	0.0195	0.0200	-2.7	30.0
Dichlorofluoromethane	Ave	0.4581	0.4762		0.0208	0.0200	3.9	30.0
Trichlorofluoromethane	Ave	0.4984	0.5062	0.1000	0.0203	0.0200	1.6	30.0
Ethyl ether	Ave	0.1800	0.1933		0.0215	0.0200	7.4	30.0
Acrolein	Ave	0.0445	0.0361		0.0812	0.100	-18.8	30.0
1,1-Dichloroethene	Ave	0.3589	0.3889	0.1000	0.0217	0.0200	8.3	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2567	0.2852	0.0500	0.0222	0.0200	11.1	30.0
Acetone	Ave	0.0784	0.0730	0.0100	0.0372	0.0400	-6.9	50.0
Iodomethane	Ave	0.4655	0.4827		0.0207	0.0200	3.7	30.0
Carbon disulfide	Ave	0.7515	0.7522	0.1000	0.0200	0.0200	0.0	30.0
3-Chloro-1-propene	Ave	0.3541	0.3611		0.0204	0.0200	2.0	30.0
Methyl acetate	Ave	0.2328	0.2202	0.1000	0.0378	0.0400	-5.4	50.0
Methylene Chloride	Ave	0.2846	0.2847	0.1000	0.0200	0.0200	0.0	50.0
tert-Butyl alcohol	Ave	0.0271	0.0283		0.209	0.200	4.3	30.0
Acrylonitrile	Ave	0.1006	0.1020		0.203	0.200	1.4	30.0
Methyl tert-butyl ether	Ave	0.6938	0.7063	0.1000	0.0204	0.0200	1.8	30.0
trans-1,2-Dichloroethene	Ave	0.3387	0.3554	0.1000	0.0210	0.0200	4.9	30.0
Hexane	Ave	0.3524	0.3872		0.0220	0.0200	9.9	30.0
1,1-Dichloroethane	Ave	0.4048	0.4171	0.2000	0.0206	0.0200	3.0	30.0
Vinyl acetate	Ave	0.4639	0.5080		0.0219	0.0200	9.5	30.0
2,2-Dichloropropane	Ave	0.2438	0.2691		0.0221	0.0200	10.4	30.0
2-Butanone	Ave	0.0472	0.0464	0.0100	0.0393	0.0400	-1.8	50.0
cis-1,2-Dichloroethene	Ave	0.2891	0.2867	0.1000	0.0198	0.0200	-0.8	30.0
Bromochloromethane	Ave	0.1945	0.1891		0.0194	0.0200	-2.8	30.0
Tetrahydrofuran	Lin1		0.1082		0.0418	0.0400	4.6	30.0
Chloroform	Ave	0.4433	0.4563	0.2000	0.0206	0.0200	2.9	30.0
1,1,1-Trichloroethane	Ave	0.4174	0.4498	0.1000	0.0216	0.0200	7.8	30.0
Cyclohexane	Ave	0.3819	0.4119	0.1000	0.0216	0.0200	7.8	30.0
1,1-Dichloropropene	Ave	0.3519	0.3667		0.0208	0.0200	4.2	30.0
Carbon tetrachloride	Ave	0.4023	0.4240	0.1000	0.0211	0.0200	5.4	30.0
Isobutyl alcohol	Ave	0.0110	0.0112		0.508	0.500	1.6	30.0
1,2-Dichloroethane	Ave	0.3600	0.3604	0.1000	0.0200	0.0200	0.1	30.0
Benzene	Ave	0.9518	0.9713	0.5000	0.0204	0.0200	2.1	30.0
n-Heptane	Lin1		0.2300		0.0213	0.0200	6.3	30.0
Trichloroethene	Ave	0.3160	0.3196	0.1500	0.0202	0.0200	1.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-342719/14 Calibration Date: 08/27/2018 19:45

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1901330.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4590	0.4761	0.1000	0.0207	0.0200	3.7	30.0
1,2-Dichloropropane	Ave	0.2208	0.2306	0.1000	0.0209	0.0200	4.5	30.0
Dibromomethane	Ave	0.2271	0.2193		0.0193	0.0200	-3.4	30.0
1,4-Dioxane	Ave	0.0024	0.0028		0.474	0.400	18.4	50.0
Bromodichloromethane	Ave	0.3479	0.3495	0.1500	0.0201	0.0200	0.4	30.0
2-Chloroethyl vinyl ether	Ave	0.1770	0.1822		0.0206	0.0200	2.9	30.0
cis-1,3-Dichloropropene	Ave	0.3865	0.4060	0.1500	0.0210	0.0200	5.1	50.0
4-Methyl-2-pentanone	Ave	0.3203	0.3230	0.0500	0.0403	0.0400	0.8	50.0
Toluene	Ave	1.352	1.362	0.4000	0.0201	0.0200	0.7	30.0
trans-1,3-Dichloropropene	Ave	0.4818	0.4613	0.1000	0.0191	0.0200	-4.3	30.0
Ethyl methacrylate	Ave	0.4344	0.4432		0.0204	0.0200	2.0	30.0
1,1,2-Trichloroethane	Ave	0.2842	0.2905	0.1000	0.0204	0.0200	2.2	30.0
Tetrachloroethene	Ave	0.4313	0.4447	0.1500	0.0206	0.0200	3.1	30.0
1,3-Dichloropropane	Ave	0.4802	0.4738		0.0197	0.0200	-1.3	30.0
2-Hexanone	Ave	0.3149	0.3202	0.0500	0.0407	0.0400	1.7	50.0
Dibromochloromethane	Ave	0.3583	0.3632		0.0203	0.0200	1.3	30.0
1,2-Dibromoethane	Ave	0.3346	0.3230		0.0193	0.0200	-3.5	30.0
Chlorobenzene	Ave	0.9253	0.9231	0.3000	0.0200	0.0200	-0.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3336	0.3465		0.0208	0.0200	3.9	30.0
Ethylbenzene	Ave	0.4836	0.4959		0.0205	0.0200	2.5	30.0
m-Xylene & p-Xylene	Ave	0.5890	0.6110		0.0207	0.0200	3.7	30.0
o-Xylene	Ave	0.5597	0.5768		0.0206	0.0200	3.1	30.0
Styrene	Ave	0.9588	0.9701	0.3000	0.0202	0.0200	1.2	30.0
Bromoform	Ave	0.2933	0.2923	0.1000	0.0199	0.0200	-0.3	30.0
Isopropylbenzene	Ave	1.503	1.583	0.1000	0.0211	0.0200	5.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7706	0.7768	0.3000	0.0202	0.0200	0.8	30.0
Bromobenzene	Ave	0.7690	0.7545		0.0196	0.0200	-1.9	30.0
1,2,3-Trichloropropane	Ave	0.2921	0.3010		0.0206	0.0200	3.0	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2737	0.2785		0.0203	0.0200	1.7	30.0
n-Propylbenzene	Ave	0.7729	0.7998		0.0207	0.0200	3.5	30.0
2-Chlorotoluene	Ave	0.6541	0.6592		0.0202	0.0200	0.8	30.0
1,3,5-Trimethylbenzene	Ave	2.225	2.303		0.0207	0.0200	3.5	30.0
4-Chlorotoluene	Ave	0.7072	0.7078		0.0200	0.0200	0.0	30.0
tert-Butylbenzene	Ave	2.113	2.203		0.0209	0.0200	4.3	30.0
1,2,4-Trimethylbenzene	Ave	2.256	2.278		0.0202	0.0200	1.0	30.0
sec-Butylbenzene	Ave	2.845	3.009		0.0212	0.0200	5.8	30.0
1,3-Dichlorobenzene	Ave	1.412	1.370	0.6000	0.0194	0.0200	-3.0	30.0
p-Isopropyltoluene	Ave	2.492	2.628		0.0211	0.0200	5.5	30.0
1,4-Dichlorobenzene	Ave	1.459	1.395	0.5000	0.0191	0.0200	-4.4	30.0
n-Butylbenzene	Ave	2.050	2.114		0.0206	0.0200	3.1	30.0
1,2-Dichlorobenzene	Ave	1.282	1.257	0.4000	0.0196	0.0200	-2.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: ICV 240-342719/14 Calibration Date: 08/27/2018 19:45

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1901330.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2450	0.2412	0.0500	0.0197	0.0200	-1.6	50.0
1,2,4-Trichlorobenzene	Ave	0.8550	0.8004	0.2000	0.0187	0.0200	-6.4	50.0
Hexachlorobutadiene	Ave	0.4392	0.4373		0.0199	0.0200	-0.4	50.0
Naphthalene	Ave	2.363	2.262		0.0191	0.0200	-4.3	50.0
1,2,3-Trichlorobenzene	Ave	0.7677	0.7284		0.0190	0.0200	-5.1	30.0
Dibromofluoromethane (Surr)	Ave	0.2692	0.2770		0.0206	0.0200	2.9	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3092	0.3266		0.0211	0.0200	5.6	30.0
Toluene-d8 (Surr)	Ave	1.199	1.238		0.0206	0.0200	3.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4513	0.4759		0.0211	0.0200	5.5	30.0

TestAmerica Canton

Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901330.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 27-Aug-2018 19:45:31 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: 001904 Instrument ID: A3UX19
Sublist:

Method: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2018 21:12:05 Calib Date: 27-Aug-2018 19:23:28
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK010

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	96	955207	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	83	765531	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	87	424750	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	111	5.049	5.049	0.000	59	264542	20.0	20.6	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.357	5.345	0.012	100	311954	20.0	21.1	
$ 6 Toluene-d8 (Surr)	98	7.100	7.101	0.000	86	947747	20.0	20.6	
$ 7 4-Bromofluorobenzene (Surr	95	9.674	9.674	0.000	89	364329	20.0	21.1	
9 Dichlorodifluoromethane	85	1.610	1.610	0.000	88	278240	20.0	15.1	
10 Chloromethane	50	1.823	1.812	0.011	78	238040	20.0	17.3	
12 Butadiene	54	1.906	1.906	0.000	87	236605	20.0	17.2	
11 Vinyl chloride	62	1.930	1.918	0.012	82	274549	20.0	19.3	
13 Bromomethane	94	2.227	2.227	0.000	92	208903	20.0	18.7	
14 Chloroethane	64	2.298	2.298	0.000	95	171871	20.0	19.5	
15 Dichlorofluoromethane	67	2.511	2.499	0.012	83	454821	20.0	20.8	
16 Trichlorofluoromethane	101	2.582	2.582	0.000	88	483563	20.0	20.3	
17 Ethyl ether	59	2.808	2.808	0.000	90	184629	20.0	21.5	
18 Acrolein	56	2.926	2.926	0.000	94	172494	100.0	81.2	
21 1,1-Dichloroethene	61	3.045	3.045	0.000	89	371471	20.0	21.7	
20 1,1,2-Trichloro-1,2,2-trif	101	3.057	3.057	0.000	81	272453	20.0	22.2	
22 Acetone	43	3.068	3.069	-0.001	72	139402	40.0	37.2	
23 Iodomethane	142	3.199	3.199	0.000	99	461057	20.0	20.7	
24 Carbon disulfide	76	3.258	3.258	0.000	99	718482	20.0	20.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 3-Chloro-1-propene	41	3.365	3.365	0.000	74	344875	20.0	20.4	
27 Methyl acetate	43	3.377	3.377	0.000	96	420737	40.0	37.8	
28 Methylene Chloride	49	3.484	3.495	-0.011	55	271908	20.0	20.0	
29 2-Methyl-2-propanol	59	3.578	3.567	0.011	87	269854	200.0	208.6	
30 Acrylonitrile	53	3.697	3.685	0.012	98	973795	200.0	202.8	
32 trans-1,2-Dichloroethene	61	3.733	3.721	0.012	68	339431	20.0	21.0	
31 Methyl tert-butyl ether	73	3.733	3.733	0.000	89	674668	20.0	20.4	
33 Hexane	57	3.982	3.982	0.000	92	369879	20.0	22.0	
34 1,1-Dichloroethane	63	4.112	4.112	0.000	85	398379	20.0	20.6	
35 Vinyl acetate	43	4.148	4.148	0.000	97	485201	20.0	21.9	
40 cis-1,2-Dichloroethene	96	4.634	4.622	0.012	68	273831	20.0	19.8	
41 2-Butanone (MEK)	72	4.634	4.634	0.000	92	88581	40.0	39.3	
39 2,2-Dichloropropane	77	4.634	4.634	0.000	65	257071	20.0	22.1	
45 Chlorobromomethane	49	4.835	4.836	-0.001	70	180641	20.0	19.4	
46 Tetrahydrofuran	42	4.883	4.883	0.000	83	206721	40.0	41.8	
47 Chloroform	83	4.907	4.907	0.000	71	435869	20.0	20.6	
48 1,1,1-Trichloroethane	97	5.084	5.085	-0.001	90	429620	20.0	21.6	
49 Cyclohexane	84	5.144	5.144	0.000	86	393450	20.0	21.6	
50 1,1-Dichloropropene	75	5.227	5.227	0.000	90	350261	20.0	20.8	
51 Carbon tetrachloride	117	5.239	5.239	0.000	70	405050	20.0	21.1	
52 Isobutyl alcohol	41	5.298	5.298	0.000	83	266481	500.0	508.1	
54 1,2-Dichloroethane	62	5.416	5.417	-0.001	50	344294	20.0	20.0	
53 Benzene	78	5.416	5.417	-0.001	94	927804	20.0	20.4	
56 n-Heptane	57	5.642	5.642	0.000	82	219666	20.0	21.3	
58 Trichloroethene	130	5.986	5.986	0.000	92	305241	20.0	20.2	
60 Methylcyclohexane	83	6.175	6.176	-0.001	87	454812	20.0	20.7	
61 1,2-Dichloropropane	63	6.187	6.187	0.000	80	220275	20.0	20.9	
63 Dibromomethane	174	6.294	6.294	0.000	89	209471	20.0	19.3	
64 1,4-Dioxane	88	6.306	6.306	0.000	35	54068	400.0	473.8	
65 Dichlorobromomethane	83	6.436	6.436	0.000	93	333796	20.0	20.1	
67 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	93	174029	20.0	20.6	
68 cis-1,3-Dichloropropene	75	6.840	6.840	0.000	89	387819	20.0	21.0	
69 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	83	617114	40.0	40.3	
70 Toluene	91	7.172	7.172	0.000	94	1042380	20.0	20.1	
71 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	85	353136	20.0	19.1	
72 Ethyl methacrylate	69	7.432	7.433	-0.001	89	339271	20.0	20.4	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	86	222400	20.0	20.4	
75 Tetrachloroethene	166	7.693	7.693	0.000	92	340390	20.0	20.6	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	90	362713	20.0	19.7	
77 2-Hexanone	43	7.765	7.765	-0.001	79	490171	40.0	40.7	
79 Chlorodibromomethane	129	7.931	7.919	0.012	88	278002	20.0	20.3	
80 Ethylene Dibromide	107	8.049	8.049	0.000	99	247260	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
82 Chlorobenzene	112	8.523	8.524	-0.001	92	706649	20.0	20.0	
83 1,1,1,2-Tetrachloroethane	131	8.606	8.607	-0.001	87	265224	20.0	20.8	
84 Ethylbenzene	106	8.630	8.630	0.000	98	379588	20.0	20.5	
85 m-Xylene & p-Xylene	106	8.749	8.749	0.000	100	467728	20.0	20.7	
86 o-Xylene	106	9.152	9.152	0.000	88	441586	20.0	20.6	
87 Styrene	104	9.164	9.164	0.000	93	742653	20.0	20.2	
88 Bromoform	173	9.354	9.354	0.000	98	223782	20.0	19.9	
89 Isopropylbenzene	105	9.520	9.520	0.000	96	1211475	20.0	21.1	
91 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	88	329964	20.0	20.2	
92 Bromobenzene	156	9.840	9.840	0.000	89	320488	20.0	19.6	
93 1,2,3-Trichloropropane	110	9.863	9.864	-0.001	69	127830	20.0	20.6	
94 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	61	118291	20.0	20.3	
95 N-Propylbenzene	120	9.946	9.947	-0.001	96	339730	20.0	20.7	
96 2-Chlorotoluene	126	10.041	10.041	0.000	97	279994	20.0	20.2	
97 1,3,5-Trimethylbenzene	105	10.124	10.124	0.000	95	978383	20.0	20.7	
98 4-Chlorotoluene	126	10.148	10.148	0.000	98	300639	20.0	20.0	
99 tert-Butylbenzene	119	10.468	10.468	0.000	78	935547	20.0	20.9	
101 1,2,4-Trimethylbenzene	105	10.516	10.516	0.000	71	967584	20.0	20.2	
102 sec-Butylbenzene	105	10.694	10.694	0.000	93	1277861	20.0	21.2	
103 1,3-Dichlorobenzene	146	10.812	10.812	0.000	84	581709	20.0	19.4	
104 4-Isopropyltoluene	119	10.848	10.848	0.000	91	1116328	20.0	21.1	
105 1,4-Dichlorobenzene	146	10.907	10.907	0.000	92	592339	20.0	19.1	
108 n-Butylbenzene	91	11.287	11.287	0.000	97	897771	20.0	20.6	
109 1,2-Dichlorobenzene	146	11.310	11.298	0.012	98	533790	20.0	19.6	
110 1,2-Dibromo-3-Chloropropan	157	12.128	12.129	-0.001	89	102428	20.0	19.7	
112 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	92	339973	20.0	18.7	
113 Hexachlorobutadiene	225	13.208	13.208	0.000	88	185743	20.0	19.9	
114 Naphthalene	128	13.279	13.279	0.000	96	960764	20.0	19.1	
115 1,2,3-Trichlorobenzene	180	13.540	13.540	0.000	93	309386	20.0	19.0	
S 164 Total BTEX	1				0		100.0	102.4	
S 127 Trihalomethanes, Total	1				0		80.0	80.9	
S 126 Xylenes, Total	106				0		40.0	41.4	

Reagents:

vmfasgw_00271	Amount Added:	16.00	Units: uL	
vmfasaw_00246	Amount Added:	16.00	Units: uL	
vmfaspw_00264	Amount Added:	16.00	Units: uL	
vm50ss_stk_00077	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00123	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00001	Amount Added:	2.00	Units: uL	Run Reagent

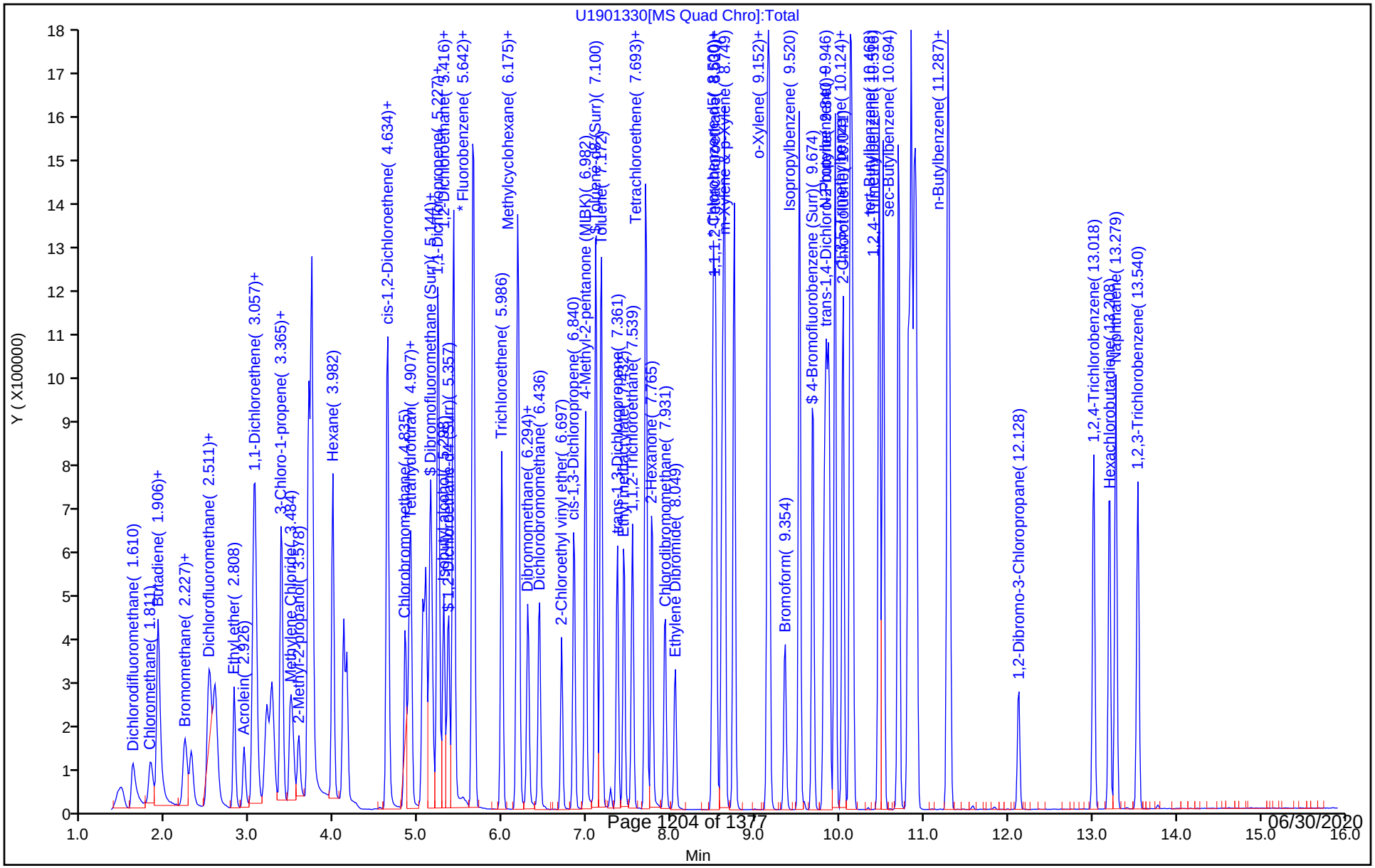
Report Date: 27-Aug-2018 21:12:28 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901330.d

Injection Date:	27-Aug-2018 19:45:31	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	ICV			Worklist Smp#:	14
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCV 240-440080/3 Calibration Date: 06/25/2020 16:09

Instrument ID: A3UX19 Calib Start Date: 07/25/2018 13:24

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/25/2018 15:15

Lab File ID: U1915172.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Lin1		0.0482		0.240	0.200	20.2*	20.0
Diisopropyl ether	Ave	0.2313	0.2096		0.0181	0.0200	-9.4	20.0
2-Chloro-1,3-butadiene	Ave	0.3979	0.3927		0.0197	0.0200	-1.3	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7258	0.6368		0.0175	0.0200	-12.3	20.0
Ethyl acetate	Ave	0.3007	0.3000		0.0399	0.0400	-0.2	20.0
Propionitrile	Ave	0.0408	0.0636		0.312	0.200	56.0*	20.0
Methacrylonitrile	Ave	0.1828	0.1901		0.208	0.200	4.0	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.7700	0.6767		0.0176	0.0200	-12.1	20.0
n-Butanol	Ave	0.0094	0.0158		0.843	0.500	68.6*	20.0
Ethyl acrylate	Ave	0.3703	0.3566		0.0193	0.0200	-3.7	20.0
Methyl methacrylate	Ave	0.2459	0.2145		0.0349	0.0400	-12.8	20.0
2-Nitropropane	Ave	0.0726	0.0782		0.0431	0.0400	7.7	20.0
n-Butyl acetate	Ave	0.5364	0.5730		0.0214	0.0200	6.8	20.0
1-Chlorohexane	Ave	0.4610	0.4725		0.0205	0.0200	2.5	20.0
Cyclohexanone	Ave	0.0137	0.0224		0.327	0.200	63.7*	20.0
Pentachloroethane	Ave	0.3462	0.5036		0.0582	0.0400	45.5*	20.0
1,2,3-Trimethylbenzene	Ave	2.276	2.600		0.0228	0.0200	14.2	20.0
Benzyl chloride	Ave	1.286	1.786		0.0278	0.0200	38.9*	20.0
1,3,5-Trichlorobenzene	Ave	1.021	0.9283		0.0182	0.0200	-9.1	20.0
2-Methylnaphthalene	Ave	1.433	1.139		0.0318	0.0400	-20.5*	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915172.d
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 25-Jun-2020 16:09:54 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-003
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub13

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jun-2020 16:32:32 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: laveyt Date: 25-Jun-2020 16:32:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.666	5.666	0.000	99	1128731	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	85	795309	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	95	399188	20.0	20.0	
26 Acetonitrile	41	3.341	3.341	0.000	100	543492	200.0	240.4	
37 Isopropyl ether	87	4.183	4.183	0.000	92	236593	20.0	18.1	
38 2-Chloro-1,3-butadiene	53	4.195	4.195	0.000	89	443292	20.0	19.7	
39 Tert-butyl ethyl ether	59	4.503	4.503	0.000	96	718718	20.0	17.5	
43 Propionitrile	54	4.681	4.681	0.000	92	717743	200.0	312.0	
44 Ethyl acetate	43	4.681	4.681	0.000	98	677317	40.0	39.9	
45 Methacrylonitrile	41	4.824	4.824	0.000	89	2145614	200.0	207.9	
56 Tert-amyl methyl ether	73	5.511	5.511	0.000	98	763778	20.0	17.6	
58 n-Butanol	56	5.891	5.891	0.000	84	445363	500.0	843.2	
60 Ethyl acrylate	55	6.069	6.069	0.000	98	402472	20.0	19.3	
63 Methyl methacrylate	41	6.282	6.282	0.000	85	484202	40.0	34.9	
67 2-Nitropropane	41	6.638	6.638	0.000	98	176457	40.0	43.1	
78 n-Butyl acetate	43	7.895	7.895	0.000	97	455730	20.0	21.4	
82 1-Chlorohexane	91	8.500	8.500	0.000	95	375809	20.0	20.5	
91 Cyclohexanone	55	9.626	9.626	0.000	89	177968	200.0	327.4	
104 Pentachloroethane	167	10.492	10.492	0.000	94	402069	40.0	58.2	
110 1,2,3-Trimethylbenzene	105	10.966	10.966	0.000	98	1037693	20.0	22.8	
111 Benzyl chloride	91	11.049	11.049	0.000	98	713109	20.0	27.8	
115 1,3,5-Trichlorobenzene	180	12.366	12.366	0.000	98	370548	20.0	18.2	
120 2-Methylnaphthalene	142	14.631	14.631	0.000	92	909257	40.0	31.8	

Reagents:

vm50is_stk_A_00006 Amount Added: 2.00 Units: uL
vmra9w_00350 Amount Added: 16.00 Units: uL

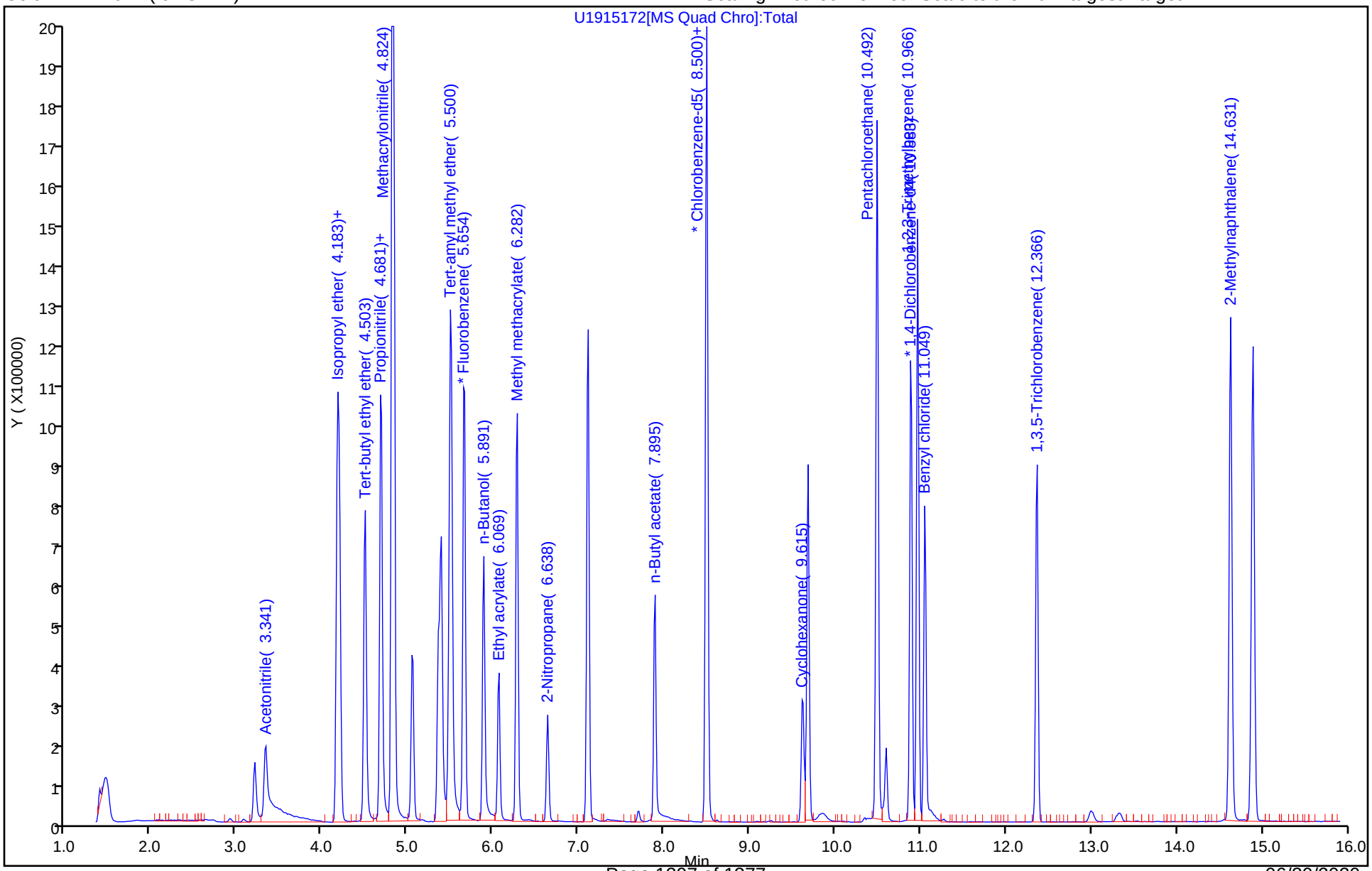
Report Date: 25-Jun-2020 16:32:33 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915172.d

Injection Date:	25-Jun-2020 16:09:54	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	CCV A9			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440080/4 Calibration Date: 06/25/2020 16:32

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1915173.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3850	0.2523	0.1000	0.0131	0.0200	-34.5*	20.0
Chloromethane	Ave	0.2883	0.2531	0.1000	0.0176	0.0200	-12.2	20.0
Butadiene	Ave	0.2887	0.2285		0.0158	0.0200	-20.9*	20.0
Vinyl chloride	Ave	0.2980	0.2640	0.1000	0.0177	0.0200	-11.4	20.0
Bromomethane	Ave	0.2335	0.1875	0.0500	0.0161	0.0200	-19.7	20.0
Chloroethane	Ave	0.1848	0.1693	0.0500	0.0183	0.0200	-8.4	20.0
Dichlorofluoromethane	Ave	0.4581	0.4001		0.0175	0.0200	-12.7	20.0
Trichlorofluoromethane	Ave	0.4984	0.3448	0.1000	0.0138	0.0200	-30.8*	20.0
Ethyl ether	Ave	0.1800	0.1958		0.0218	0.0200	8.8	20.0
Acrolein	Ave	0.0445	0.0302		0.0680	0.100	-32.0*	20.0
1,1-Dichloroethene	Ave	0.3589	0.3255	0.1000	0.0181	0.0200	-9.3	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2567	0.2427	0.0500	0.0189	0.0200	-5.5	20.0
Acetone	Ave	0.0784	0.1114	0.0100	0.0568	0.0400	42.1	50.0
Iodomethane	Ave	0.4655	0.3871		0.0166	0.0200	-16.8	20.0
Carbon disulfide	Ave	0.7515	0.7232	0.1000	0.0192	0.0200	-3.8	20.0
3-Chloro-1-propene	Ave	0.3541	0.3083		0.0174	0.0200	-12.9	20.0
Methyl acetate	Ave	0.2328	0.2491	0.1000	0.0428	0.0400	7.0	50.0
Methylene Chloride	Ave	0.2846	0.2668	0.1000	0.0187	0.0200	-6.3	50.0
tert-Butyl alcohol	Ave	0.0271	0.0362		0.267	0.200	33.5*	20.0
Acrylonitrile	Ave	0.1006	0.1313		0.261	0.200	30.6*	20.0
Methyl tert-butyl ether	Ave	0.6938	0.6261	0.1000	0.0180	0.0200	-9.8	20.0
trans-1,2-Dichloroethene	Ave	0.3387	0.3241	0.1000	0.0191	0.0200	-4.3	20.0
Hexane	Ave	0.3524	0.3295		0.0187	0.0200	-6.5	20.0
1,1-Dichloroethane	Ave	0.4048	0.4096	0.2000	0.0202	0.0200	1.2	20.0
Vinyl acetate	Ave	0.4639	0.4094		0.0177	0.0200	-11.7	20.0
cis-1,2-Dichloroethene	Ave	0.2891	0.2806	0.1000	0.0194	0.0200	-2.9	20.0
2,2-Dichloropropane	Ave	0.2438	0.2235		0.0183	0.0200	-8.3	20.0
2-Butanone	Ave	0.0472	0.0503	0.0100	0.0426	0.0400	6.4	50.0
Bromochloromethane	Ave	0.1945	0.1862		0.0191	0.0200	-4.3	20.0
Tetrahydrofuran	Lin1		0.1057		0.0408	0.0400	2.0	20.0
Chloroform	Ave	0.4433	0.4245	0.2000	0.0192	0.0200	-4.2	20.0
1,1,1-Trichloroethane	Ave	0.4174	0.3441	0.1000	0.0165	0.0200	-17.6	20.0
Cyclohexane	Ave	0.3819	0.3741	0.1000	0.0196	0.0200	-2.0	20.0
1,1-Dichloropropene	Ave	0.3519	0.3445		0.0196	0.0200	-2.1	20.0
Carbon tetrachloride	Ave	0.4023	0.3199	0.1000	0.0159	0.0200	-20.5*	20.0
Isobutyl alcohol	Ave	0.0110	0.0146		0.664	0.500	32.9*	20.0
Benzene	Ave	0.9518	0.9912	0.5000	0.0208	0.0200	4.1	20.0
1,2-Dichloroethane	Ave	0.3600	0.2999	0.1000	0.0167	0.0200	-16.7	20.0
n-Heptane	Lin1		0.1654		0.0143	0.0200	-28.4*	20.0
Trichloroethene	Ave	0.3160	0.2705	0.1500	0.0171	0.0200	-14.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440080/4 Calibration Date: 06/25/2020 16:32

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1915173.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4590	0.4163	0.1000	0.0181	0.0200	-9.3	20.0
1,2-Dichloropropane	Ave	0.2208	0.2252	0.1000	0.0204	0.0200	2.0	20.0
1,4-Dioxane	Ave	0.0024	0.0042		0.708	0.400	77.1*	50.0
Dibromomethane	Ave	0.2271	0.1720		0.0151	0.0200	-24.3*	20.0
Bromodichloromethane	Ave	0.3479	0.3019	0.1500	0.0174	0.0200	-13.2	20.0
2-Chloroethyl vinyl ether	Ave	0.1770	0.1561		0.0353	0.0400	-11.8	20.0
cis-1,3-Dichloropropene	Ave	0.3865	0.3531	0.1500	0.0183	0.0200	-8.6	50.0
4-Methyl-2-pentanone	Ave	0.3203	0.3034	0.0500	0.0379	0.0400	-5.3	50.0
Toluene	Ave	1.352	1.439	0.4000	0.0213	0.0200	6.5	20.0
trans-1,3-Dichloropropene	Ave	0.4818	0.4474	0.1000	0.0186	0.0200	-7.1	20.0
Ethyl methacrylate	Ave	0.4344	0.4502		0.0207	0.0200	3.6	20.0
1,1,2-Trichloroethane	Ave	0.2842	0.2994	0.1000	0.0211	0.0200	5.4	20.0
1,3-Dichloropropane	Ave	0.4802	0.5119		0.0213	0.0200	6.6	20.0
Tetrachloroethene	Ave	0.4313	0.3808	0.1500	0.0177	0.0200	-11.7	20.0
2-Hexanone	Ave	0.3149	0.3169	0.0500	0.0403	0.0400	0.6	50.0
Dibromochloromethane	Ave	0.3583	0.3306		0.0185	0.0200	-7.7	20.0
1,2-Dibromoethane	Ave	0.3346	0.3249		0.0194	0.0200	-2.9	20.0
Chlorobenzene	Ave	0.9253	0.9011	0.3000	0.0195	0.0200	-2.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3336	0.3288		0.0197	0.0200	-1.4	20.0
Ethylbenzene	Ave	0.4836	0.4871		0.0201	0.0200	0.7	20.0
m-Xylene & p-Xylene	Ave	0.5890	0.6095		0.0207	0.0200	3.5	20.0
o-Xylene	Ave	0.5597	0.5983		0.0214	0.0200	6.9	20.0
Styrene	Ave	0.9588	1.001	0.3000	0.0209	0.0200	4.4	20.0
Bromoform	Ave	0.2933	0.2487	0.1000	0.0170	0.0200	-15.2	20.0
Isopropylbenzene	Ave	1.503	1.559	0.1000	0.0207	0.0200	3.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7706	0.9387	0.3000	0.0244	0.0200	21.8*	20.0
Bromobenzene	Ave	0.7690	0.6916		0.0180	0.0200	-10.1	20.0
1,2,3-Trichloropropane	Ave	0.2921	0.3031		0.0208	0.0200	3.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2737	0.2519		0.0184	0.0200	-8.0	20.0
n-Propylbenzene	Ave	0.7729	0.8050		0.0208	0.0200	4.2	20.0
2-Chlorotoluene	Ave	0.6541	0.6816		0.0208	0.0200	4.2	20.0
1,3,5-Trimethylbenzene	Ave	2.225	2.352		0.0211	0.0200	5.7	20.0
4-Chlorotoluene	Ave	0.7072	0.6939		0.0196	0.0200	-1.9	20.0
tert-Butylbenzene	Ave	2.113	2.022		0.0191	0.0200	-4.3	20.0
1,2,4-Trimethylbenzene	Ave	2.256	2.379		0.0211	0.0200	5.4	20.0
sec-Butylbenzene	Ave	2.845	2.956		0.0208	0.0200	3.9	20.0
1,3-Dichlorobenzene	Ave	1.412	1.339	0.6000	0.0190	0.0200	-5.2	20.0
p-Isopropyltoluene	Ave	2.492	2.498		0.0200	0.0200	0.2	20.0
1,4-Dichlorobenzene	Ave	1.459	1.351	0.5000	0.0185	0.0200	-7.4	20.0
n-Butylbenzene	Ave	2.050	2.122		0.0207	0.0200	3.6	20.0
1,2-Dichlorobenzene	Ave	1.282	1.320	0.4000	0.0206	0.0200	2.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440080/4 Calibration Date: 06/25/2020 16:32

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1915173.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2450	0.2469	0.0500	0.0201	0.0200	0.7	50.0
1,2,4-Trichlorobenzene	Ave	0.8550	0.7008	0.2000	0.0164	0.0200	-18.0	50.0
Hexachlorobutadiene	Ave	0.4392	0.2858		0.0130	0.0200	-34.9	50.0
Naphthalene	Ave	2.363	2.466		0.0209	0.0200	4.4	50.0
1,2,3-Trichlorobenzene	Ave	0.7677	0.6812		0.0177	0.0200	-11.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2692	0.2556		0.0190	0.0200	-5.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3092	0.2764		0.0179	0.0200	-10.6	20.0
Toluene-d8 (Surr)	Ave	1.199	1.284		0.0214	0.0200	7.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4513	0.4560		0.0202	0.0200	1.0	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915173.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 25-Jun-2020 16:32:33 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-004
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jun-2020 17:06:05 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: laveyt Date: 25-Jun-2020 17:06:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.665	5.665	0.000	99	1162228	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	85	819093	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.895	10.895	0.000	93	440975	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.061	5.061	0.000	94	297032	20.0	19.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	98	321254	20.0	17.9	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	92	1051445	20.0	21.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.685	9.685	0.000	92	373521	20.0	20.2	
9 Dichlorodifluoromethane	85	1.622	1.622	0.000	99	293273	20.0	13.1	
10 Chloromethane	50	1.835	1.835	0.000	99	294142	20.0	17.6	
11 Butadiene	54	1.918	1.918	0.000	88	265543	20.0	15.8	
12 Vinyl chloride	62	1.942	1.942	0.000	98	306880	20.0	17.7	
13 Bromomethane	94	2.238	2.238	0.000	89	217865	20.0	16.1	
15 Chloroethane	64	2.321	2.321	0.000	99	196724	20.0	18.3	
16 Dichlorofluoromethane	67	2.523	2.523	0.000	96	465005	20.0	17.5	
17 Trichlorofluoromethane	101	2.582	2.582	0.000	99	400680	20.0	13.8	
18 Ethyl ether	59	2.819	2.819	0.000	89	227504	20.0	21.8	
19 Acrolein	56	2.938	2.938	0.000	100	175658	100.0	68.0	
20 1,1-Dichloroethene	61	3.045	3.045	0.000	97	378343	20.0	18.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.068	3.068	0.000	93	282019	20.0	18.9	
22 Acetone	43	3.080	3.080	0.000	100	258929	40.0	56.8	
24 Iodomethane	142	3.211	3.211	0.000	98	449878	20.0	16.6	
25 Carbon disulfide	76	3.270	3.270	0.000	98	840497	20.0	19.2	
27 3-Chloro-1-propene	41	3.377	3.377	0.000	90	358318	20.0	17.4	
28 Methyl acetate	43	3.388	3.388	0.000	96	578927	40.0	42.8	
29 Methylene Chloride	49	3.495	3.495	0.000	86	310074	20.0	18.7	
30 2-Methyl-2-propanol	59	3.590	3.590	0.000	98	420168	200.0	267.0	
31 Acrylonitrile	53	3.709	3.709	0.000	99	1526489	200.0	261.2	
32 trans-1,2-Dichloroethene	61	3.744	3.744	0.000	80	376645	20.0	19.1	
33 Methyl tert-butyl ether	73	3.744	3.744	0.000	95	727626	20.0	18.0	
34 Hexane	57	3.993	3.993	0.000	89	382943	20.0	18.7	
35 1,1-Dichloroethane	63	4.124	4.124	0.000	96	476017	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
36 Vinyl acetate	43	4.159	4.159	0.000	97	475818	20.0	17.7	
41 cis-1,2-Dichloroethene	96	4.634	4.634	0.000	85	326102	20.0	19.4	
42 2,2-Dichloropropane	77	4.645	4.645	0.000	89	259745	20.0	18.3	
40 2-Butanone (MEK)	72	4.645	4.645	0.000	97	116856	40.0	42.6	
46 Chlorobromomethane	49	4.847	4.847	0.000	89	216432	20.0	19.1	
47 Tetrahydrofuran	42	4.895	4.895	0.000	84	245645	40.0	40.8	
48 Chloroform	83	4.918	4.918	0.000	92	493350	20.0	19.2	
49 1,1,1-Trichloroethane	97	5.096	5.096	0.000	97	399923	20.0	16.5	
50 Cyclohexane	84	5.155	5.155	0.000	87	434797	20.0	19.6	
51 1,1-Dichloropropene	75	5.238	5.238	0.000	99	400354	20.0	19.6	
52 Carbon tetrachloride	117	5.250	5.250	0.000	98	371746	20.0	15.9	
53 Isobutyl alcohol	41	5.298	5.298	0.000	94	423988	500.0	664.4	
54 Benzene	78	5.416	5.416	0.000	95	1151955	20.0	20.8	
55 1,2-Dichloroethane	62	5.428	5.428	0.000	97	348558	20.0	16.7	
57 n-Heptane	57	5.653	5.653	0.000	79	192207	20.0	14.3	
59 Trichloroethene	130	5.997	5.997	0.000	97	314419	20.0	17.1	
61 Methylcyclohexane	83	6.175	6.175	0.000	90	483861	20.0	18.1	
62 1,2-Dichloropropane	63	6.199	6.199	0.000	97	261732	20.0	20.4	
65 1,4-Dioxane	88	6.306	6.306	0.000	91	98372	400.0	708.5	
64 Dibromomethane	174	6.306	6.306	0.000	95	199859	20.0	15.1	
66 Dichlorobromomethane	83	6.436	6.436	0.000	100	350864	20.0	17.4	
68 2-Chloroethyl vinyl ether	63	6.709	6.709	0.000	92	362760	40.0	35.3	
69 cis-1,3-Dichloropropene	75	6.851	6.851	0.000	97	410380	20.0	18.3	
70 4-Methyl-2-pentanone (MIBK)	43	6.982	6.982	0.000	94	705131	40.0	37.9	
71 Toluene	91	7.171	7.171	0.000	99	1178966	20.0	21.3	
72 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	90	366470	20.0	18.6	
73 Ethyl methacrylate	69	7.444	7.444	0.000	87	368779	20.0	20.7	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	91	245258	20.0	21.1	
75 Tetrachloroethene	166	7.705	7.705	0.000	97	311936	20.0	17.7	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	87	419276	20.0	21.3	
77 2-Hexanone	43	7.776	7.776	0.000	94	519181	40.0	40.3	
79 Chlorodibromomethane	129	7.930	7.930	0.000	90	270807	20.0	18.5	
81 Ethylene Dibromide	107	8.049	8.049	0.000	98	266091	20.0	19.4	
83 Chlorobenzene	112	8.535	8.535	0.000	96	738104	20.0	19.5	
84 1,1,1,2-Tetrachloroethane	131	8.606	8.606	0.000	96	269300	20.0	19.7	
85 Ethylbenzene	106	8.642	8.642	0.000	98	398999	20.0	20.1	
86 m-Xylene & p-Xylene	106	8.749	8.749	0.000	100	499272	20.0	20.7	
87 o-Xylene	106	9.152	9.152	0.000	95	490042	20.0	21.4	
88 Styrene	104	9.164	9.164	0.000	93	819500	20.0	20.9	
89 Bromoform	173	9.353	9.353	0.000	97	203710	20.0	17.0	
90 Isopropylbenzene	105	9.531	9.531	0.000	95	1276898	20.0	20.7	
93 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	93	413929	20.0	24.4	
95 Bromobenzene	156	9.851	9.851	0.000	91	304955	20.0	18.0	
96 1,2,3-Trichloropropane	110	9.875	9.875	0.000	84	133661	20.0	20.8	
97 trans-1,4-Dichloro-2-butene	53	9.875	9.875	0.000	83	111094	20.0	18.4	
98 N-Propylbenzene	120	9.946	9.946	0.000	99	354989	20.0	20.8	
100 2-Chlorotoluene	126	10.041	10.041	0.000	97	300545	20.0	20.8	
101 1,3,5-Trimethylbenzene	105	10.136	10.136	0.000	95	1036988	20.0	21.1	
102 4-Chlorotoluene	126	10.160	10.160	0.000	97	306005	20.0	19.6	
103 tert-Butylbenzene	119	10.480	10.480	0.000	91	891719	20.0	19.1	
105 1,2,4-Trimethylbenzene	105	10.527	10.527	0.000	95	1048948	20.0	21.1	
106 sec-Butylbenzene	105	10.705	10.705	0.000	94	1303479	20.0	20.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 1,3-Dichlorobenzene	146	10.824	10.824	0.000	98	590397	20.0	19.0	
108 4-Isopropyltoluene	119	10.859	10.859	0.000	97	1101342	20.0	20.0	
109 1,4-Dichlorobenzene	146	10.919	10.919	0.000	95	595861	20.0	18.5	
112 n-Butylbenzene	91	11.286	11.286	0.000	98	935955	20.0	20.7	
113 1,2-Dichlorobenzene	146	11.310	11.310	0.000	98	582038	20.0	20.6	
114 1,2-Dibromo-3-Chloropropane	157	12.128	12.128	0.000	88	108868	20.0	20.1	
116 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	94	309037	20.0	16.4	
117 Hexachlorobutadiene	225	13.207	13.207	0.000	97	126012	20.0	13.0	
118 Naphthalene	128	13.279	13.279	0.000	97	1087610	20.0	20.9	
119 1,2,3-Trichlorobenzene	180	13.539	13.539	0.000	96	300407	20.0	17.7	
S 125 Trihalomethanes, Total	1				0		80.0	71.9	
S 124 Total BTEX	1				0		100.0	104.3	
S 128 Xylenes, Total	106				0		40.0	42.1	

Reagents:

vmarolistdw_00349	Amount Added:	16.00	Units: uL	
vmrprimw_00391	Amount Added:	16.00	Units: uL	
vmrgas_00344	Amount Added:	16.00	Units: uL	
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

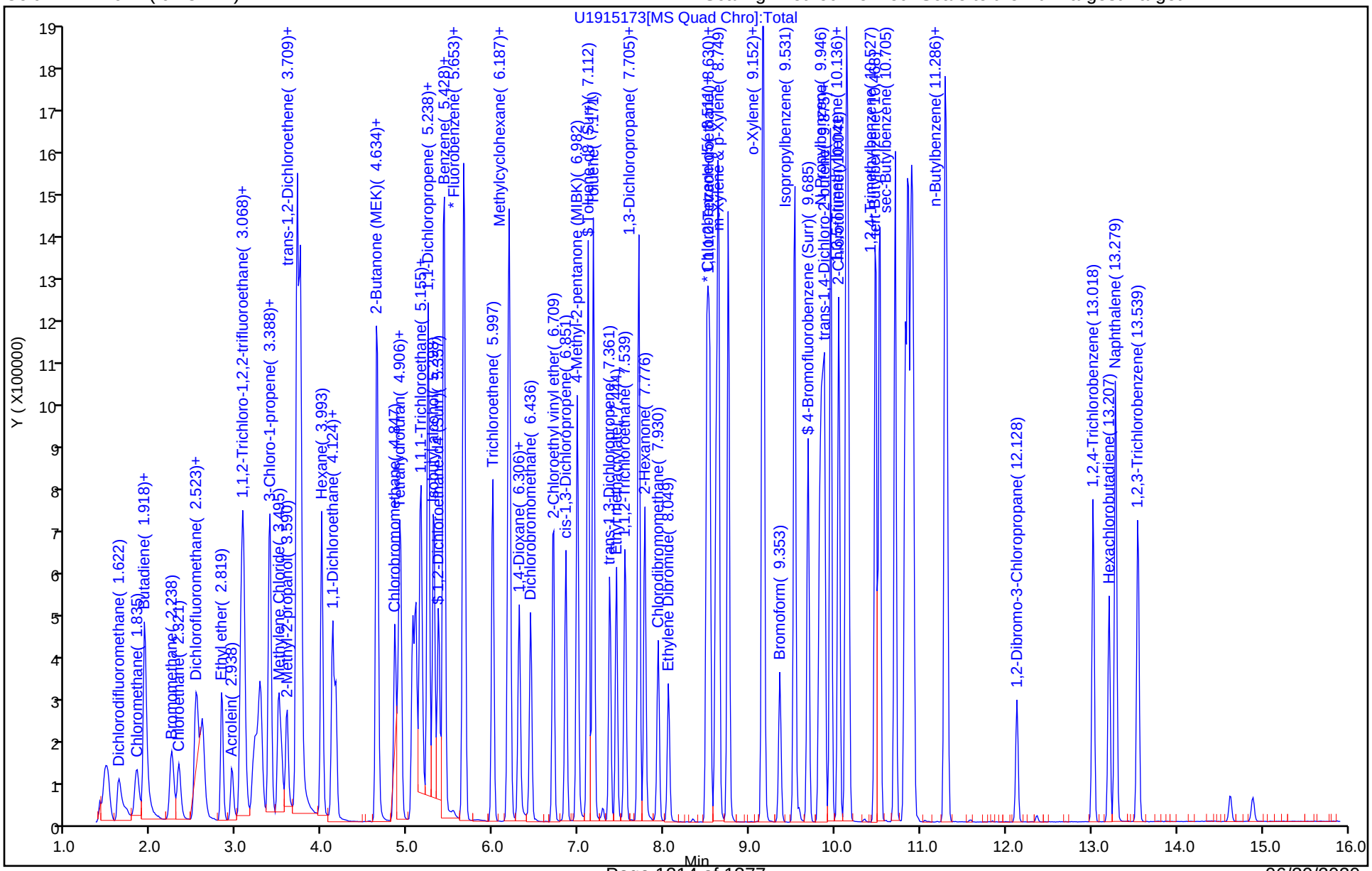
Report Date: 25-Jun-2020 17:06:08 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915173.d

Injection Date:	25-Jun-2020 16:32:33	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCV 240-440294/3 Calibration Date: 06/26/2020 16:01

Instrument ID: A3UX19 Calib Start Date: 07/25/2018 13:24

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/25/2018 15:15

Lab File ID: U1915202.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Lin1		0.0495		0.247	0.200	23.5*	20.0
Diisopropyl ether	Ave	0.2313	0.2174		0.0188	0.0200	-6.0	20.0
2-Chloro-1,3-butadiene	Ave	0.3979	0.3844		0.0193	0.0200	-3.4	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7258	0.6409		0.0177	0.0200	-11.7	20.0
Ethyl acetate	Ave	0.3007	0.3043		0.0405	0.0400	1.2	20.0
Propionitrile	Ave	0.0408	0.0630		0.309	0.200	54.5*	20.0
Methacrylonitrile	Ave	0.1828	0.1923		0.210	0.200	5.2	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.7700	0.6918		0.0180	0.0200	-10.2	20.0
n-Butanol	Ave	0.0094	0.0149		0.798	0.500	59.5*	20.0
Ethyl acrylate	Ave	0.3703	0.3704		0.0200	0.0200	0.0	20.0
Methyl methacrylate	Ave	0.2459	0.2226		0.0362	0.0400	-9.5	20.0
2-Nitropropane	Ave	0.0726	0.0843		0.0464	0.0400	16.1	20.0
n-Butyl acetate	Ave	0.5364	0.5581		0.0208	0.0200	4.0	20.0
1-Chlorohexane	Ave	0.4610	0.4687		0.0203	0.0200	1.7	20.0
Cyclohexanone	Ave	0.0137	0.0213		0.311	0.200	55.5*	20.0
Pentachloroethane	Ave	0.3462	0.4816		0.0556	0.0400	39.1*	20.0
1,2,3-Trimethylbenzene	Ave	2.276	2.546		0.0224	0.0200	11.9	20.0
Benzyl chloride	Ave	1.286	1.748		0.0272	0.0200	35.9*	20.0
1,3,5-Trichlorobenzene	Ave	1.021	0.8787		0.0172	0.0200	-14.0	20.0
2-Methylnaphthalene	Ave	1.433	1.098		0.0307	0.0400	-23.4*	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\U1915202.d
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 26-Jun-2020 16:01:24 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099563-003
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub13

Method: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 16:27:50 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 16:27:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.654	5.654	0.000	99	1121474	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	85	803135	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	95	404617	20.0	20.0	
26 Acetonitrile	41	3.330	3.330	0.000	99	555235	200.0	247.1	
37 Isopropyl ether	87	4.171	4.171	0.000	93	243822	20.0	18.8	
38 2-Chloro-1,3-butadiene	53	4.195	4.195	0.000	90	431037	20.0	19.3	
39 Tert-butyl ethyl ether	59	4.492	4.492	0.000	97	718744	20.0	17.7	
43 Propionitrile	54	4.681	4.681	0.000	80	706137	200.0	309.0	
44 Ethyl acetate	43	4.681	4.681	0.000	98	682501	40.0	40.5	
45 Methacrylonitrile	41	4.824	4.824	0.000	89	2156525	200.0	210.4	
56 Tert-amyl methyl ether	73	5.511	5.511	0.000	98	775870	20.0	18.0	
58 n-Butanol	56	5.891	5.891	0.000	84	418521	500.0	797.5	
60 Ethyl acrylate	55	6.069	6.069	0.000	99	415401	20.0	20.0	
63 Methyl methacrylate	41	6.270	6.270	0.000	86	499299	40.0	36.2	
67 2-Nitropropane	41	6.638	6.638	0.000	99	188976	40.0	46.4	
78 n-Butyl acetate	43	7.895	7.895	0.000	97	448195	20.0	20.8	
82 1-Chlorohexane	91	8.500	8.500	0.000	96	376399	20.0	20.3	
91 Cyclohexanone	55	9.626	9.626	0.000	90	170696	200.0	310.9	
104 Pentachloroethane	167	10.492	10.492	0.000	94	389749	40.0	55.6	
110 1,2,3-Trimethylbenzene	105	10.966	10.966	0.000	98	1030147	20.0	22.4	
111 Benzyl chloride	91	11.049	11.049	0.000	98	707130	20.0	27.2	
115 1,3,5-Trichlorobenzene	180	12.366	12.366	0.000	98	355527	20.0	17.2	
120 2-Methylnaphthalene	142	14.631	14.631	0.000	92	888365	40.0	30.7	

Reagents:

vm50is_stk_A_00006 Amount Added: 2.00 Units: uL
vmra9w_00350 Amount Added: 16.00 Units: uL

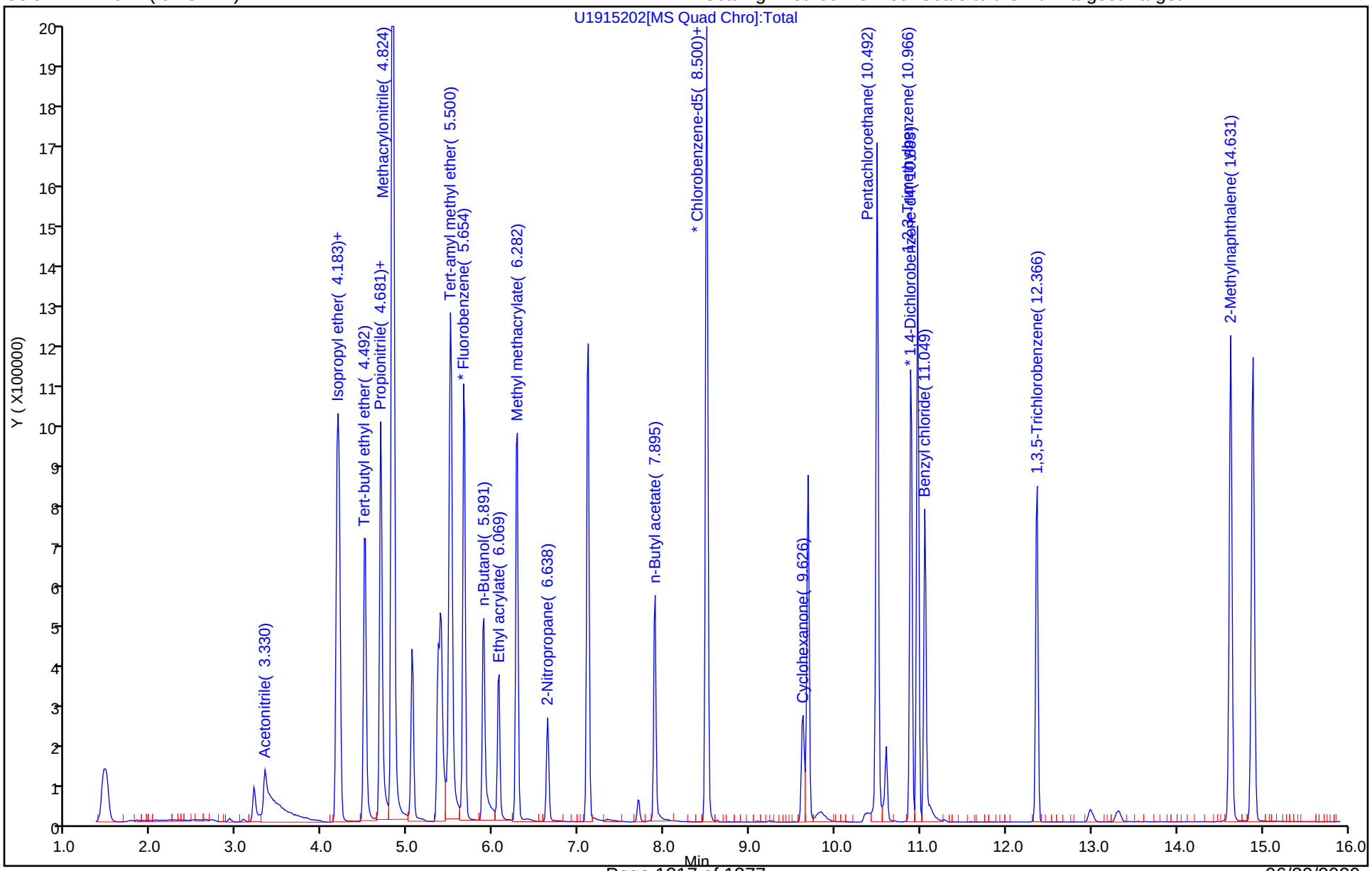
Report Date: 26-Jun-2020 16:27:51 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\U1915202.d

Injection Date:	26-Jun-2020 16:01:24	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	CCV A9			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440294/4 Calibration Date: 06/26/2020 16:24

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1915203.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3850	0.2220	0.1000	0.0115	0.0200	-42.3*	20.0
Chloromethane	Ave	0.2883	0.2378	0.1000	0.0165	0.0200	-17.5	20.0
Butadiene	Ave	0.2887	0.2270		0.0157	0.0200	-21.4*	20.0
Vinyl chloride	Ave	0.2980	0.2595	0.1000	0.0174	0.0200	-12.9	20.0
Bromomethane	Ave	0.2335	0.1865	0.0500	0.0160	0.0200	-20.1*	20.0
Chloroethane	Ave	0.1848	0.1707	0.0500	0.0185	0.0200	-7.7	20.0
Dichlorofluoromethane	Ave	0.4581	0.4005		0.0175	0.0200	-12.6	20.0
Trichlorofluoromethane	Ave	0.4984	0.3421	0.1000	0.0137	0.0200	-31.4*	20.0
Ethyl ether	Ave	0.1800	0.1969		0.0219	0.0200	9.4	20.0
Acrolein	Ave	0.0445	0.0332		0.0747	0.100	-25.3*	20.0
1,1-Dichloroethene	Ave	0.3589	0.3267	0.1000	0.0182	0.0200	-9.0	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2567	0.2490	0.0500	0.0194	0.0200	-3.0	20.0
Acetone	Ave	0.0784	0.1074	0.0100	0.0548	0.0400	37.0	50.0
Iodomethane	Ave	0.4655	0.3913		0.0168	0.0200	-15.9	20.0
Carbon disulfide	Ave	0.7515	0.7366	0.1000	0.0196	0.0200	-2.0	20.0
3-Chloro-1-propene	Ave	0.3541	0.3129		0.0177	0.0200	-11.6	20.0
Methyl acetate	Ave	0.2328	0.2524	0.1000	0.0434	0.0400	8.4	50.0
Methylene Chloride	Ave	0.2846	0.2682	0.1000	0.0188	0.0200	-5.8	50.0
tert-Butyl alcohol	Ave	0.0271	0.0332		0.245	0.200	22.4*	20.0
Acrylonitrile	Ave	0.1006	0.1297		0.258	0.200	29.0*	20.0
trans-1,2-Dichloroethene	Ave	0.3387	0.3287	0.1000	0.0194	0.0200	-2.9	20.0
Methyl tert-butyl ether	Ave	0.6938	0.6328	0.1000	0.0182	0.0200	-8.8	20.0
Hexane	Ave	0.3524	0.3417		0.0194	0.0200	-3.0	20.0
1,1-Dichloroethane	Ave	0.4048	0.4201	0.2000	0.0208	0.0200	3.8	20.0
Vinyl acetate	Ave	0.4639	0.4026		0.0174	0.0200	-13.2	20.0
2,2-Dichloropropane	Ave	0.2438	0.2390		0.0196	0.0200	-2.0	20.0
2-Butanone	Ave	0.0472	0.0515	0.0100	0.0436	0.0400	8.9	50.0
cis-1,2-Dichloroethene	Ave	0.2891	0.2834	0.1000	0.0196	0.0200	-2.0	20.0
Bromochloromethane	Ave	0.1945	0.1887		0.0194	0.0200	-3.0	20.0
Tetrahydrofuran	Lin1		0.1063		0.0411	0.0400	2.6	20.0
Chloroform	Ave	0.4433	0.4300	0.2000	0.0194	0.0200	-3.0	20.0
1,1,1-Trichloroethane	Ave	0.4174	0.3593	0.1000	0.0172	0.0200	-13.9	20.0
Cyclohexane	Ave	0.3819	0.3807	0.1000	0.0199	0.0200	-0.3	20.0
1,1-Dichloropropene	Ave	0.3519	0.3532		0.0201	0.0200	0.4	20.0
Carbon tetrachloride	Ave	0.4023	0.3284	0.1000	0.0163	0.0200	-18.4	20.0
Isobutyl alcohol	Ave	0.0110	0.0141		0.644	0.500	28.8*	20.0
Benzene	Ave	0.9518	1.022	0.5000	0.0215	0.0200	7.3	20.0
1,2-Dichloroethane	Ave	0.3600	0.3064	0.1000	0.0170	0.0200	-14.9	20.0
n-Heptane	Lin1		0.1711		0.0149	0.0200	-25.3*	20.0
Trichloroethene	Ave	0.3160	0.2772	0.1500	0.0175	0.0200	-12.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440294/4 Calibration Date: 06/26/2020 16:24

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1915203.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4590	0.4245	0.1000	0.0185	0.0200	-7.5	20.0
1,2-Dichloropropane	Ave	0.2208	0.2320	0.1000	0.0210	0.0200	5.1	20.0
1,4-Dioxane	Ave	0.0024	0.0044		0.737	0.400	84.3*	50.0
Dibromomethane	Ave	0.2271	0.1793		0.0158	0.0200	-21.0*	20.0
Bromodichloromethane	Ave	0.3479	0.3094	0.1500	0.0178	0.0200	-11.1	20.0
2-Chloroethyl vinyl ether	Ave	0.1770	0.1660		0.0375	0.0400	-6.2	20.0
cis-1,3-Dichloropropene	Ave	0.3865	0.3619	0.1500	0.0187	0.0200	-6.3	50.0
4-Methyl-2-pentanone	Ave	0.3203	0.3105	0.0500	0.0388	0.0400	-3.1	50.0
Toluene	Ave	1.352	1.487	0.4000	0.0220	0.0200	10.0	20.0
trans-1,3-Dichloropropene	Ave	0.4818	0.4535	0.1000	0.0188	0.0200	-5.9	20.0
Ethyl methacrylate	Ave	0.4344	0.4735		0.0218	0.0200	9.0	20.0
1,1,2-Trichloroethane	Ave	0.2842	0.3098	0.1000	0.0218	0.0200	9.0	20.0
1,3-Dichloropropane	Ave	0.4802	0.5205		0.0217	0.0200	8.4	20.0
Tetrachloroethene	Ave	0.4313	0.3856	0.1500	0.0179	0.0200	-10.6	20.0
2-Hexanone	Ave	0.3149	0.3344	0.0500	0.0425	0.0400	6.2	50.0
Dibromochloromethane	Ave	0.3583	0.3370		0.0188	0.0200	-6.0	20.0
1,2-Dibromoethane	Ave	0.3346	0.3289		0.0197	0.0200	-1.7	20.0
Chlorobenzene	Ave	0.9253	0.9385	0.3000	0.0203	0.0200	1.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3336	0.3349		0.0201	0.0200	0.4	20.0
Ethylbenzene	Ave	0.4836	0.4998		0.0207	0.0200	3.4	20.0
m-Xylene & p-Xylene	Ave	0.5890	0.6331		0.0215	0.0200	7.5	20.0
o-Xylene	Ave	0.5597	0.6082		0.0217	0.0200	8.7	20.0
Styrene	Ave	0.9588	1.032	0.3000	0.0215	0.0200	7.7	20.0
Bromoform	Ave	0.2933	0.2545	0.1000	0.0174	0.0200	-13.2	20.0
Isopropylbenzene	Ave	1.503	1.584	0.1000	0.0211	0.0200	5.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7706	0.9891	0.3000	0.0257	0.0200	28.3*	20.0
Bromobenzene	Ave	0.7690	0.7458		0.0194	0.0200	-3.0	20.0
1,2,3-Trichloropropane	Ave	0.2921	0.3292		0.0225	0.0200	12.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2737	0.2575		0.0188	0.0200	-5.9	20.0
n-Propylbenzene	Ave	0.7729	0.8423		0.0218	0.0200	9.0	20.0
2-Chlorotoluene	Ave	0.6541	0.7171		0.0219	0.0200	9.6	20.0
1,3,5-Trimethylbenzene	Ave	2.225	2.490		0.0224	0.0200	11.9	20.0
4-Chlorotoluene	Ave	0.7072	0.7431		0.0210	0.0200	5.1	20.0
tert-Butylbenzene	Ave	2.113	2.133		0.0202	0.0200	1.0	20.0
1,2,4-Trimethylbenzene	Ave	2.256	2.523		0.0224	0.0200	11.8	20.0
sec-Butylbenzene	Ave	2.845	3.079		0.0217	0.0200	8.3	20.0
1,3-Dichlorobenzene	Ave	1.412	1.424	0.6000	0.0202	0.0200	0.8	20.0
p-Isopropyltoluene	Ave	2.492	2.619		0.0210	0.0200	5.1	20.0
1,4-Dichlorobenzene	Ave	1.459	1.436	0.5000	0.0197	0.0200	-1.6	20.0
n-Butylbenzene	Ave	2.050	2.198		0.0214	0.0200	7.2	20.0
1,2-Dichlorobenzene	Ave	1.282	1.385	0.4000	0.0216	0.0200	8.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Lab Sample ID: CCVIS 240-440294/4 Calibration Date: 06/26/2020 16:24

Instrument ID: A3UX19 Calib Start Date: 08/27/2018 17:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2018 19:23

Lab File ID: U1915203.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2450	0.2526	0.0500	0.0206	0.0200	3.1	50.0
1,2,4-Trichlorobenzene	Ave	0.8550	0.7141	0.2000	0.0167	0.0200	-16.5	50.0
Hexachlorobutadiene	Ave	0.4392	0.2905		0.0132	0.0200	-33.9	50.0
Naphthalene	Ave	2.363	2.445		0.0207	0.0200	3.5	50.0
1,2,3-Trichlorobenzene	Ave	0.7677	0.7070		0.0184	0.0200	-7.9	20.0
Dibromofluoromethane (Surr)	Ave	0.2692	0.2543		0.0189	0.0200	-5.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3092	0.2781		0.0180	0.0200	-10.1	20.0
Toluene-d8 (Surr)	Ave	1.199	1.299		0.0217	0.0200	8.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4513	0.4823		0.0214	0.0200	6.9	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\U1915203.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Jun-2020 16:24:13 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099563-004
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 16:54:37 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 16:54:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.665	5.665	0.000	99	1137912	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	85	812021	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.883	0.000	93	427439	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.049	5.049	0.000	94	289323	20.0	18.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	95	316427	20.0	18.0	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	92	1055080	20.0	21.7	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.686	0.000	91	391644	20.0	21.4	
9 Dichlorodifluoromethane	85	1.610	1.610	0.000	99	252614	20.0	11.5	
10 Chloromethane	50	1.823	1.823	0.000	99	270619	20.0	16.5	
11 Butadiene	54	1.906	1.906	0.000	87	258331	20.0	15.7	
12 Vinyl chloride	62	1.930	1.930	0.000	98	295283	20.0	17.4	
13 Bromomethane	94	2.226	2.226	0.000	90	212238	20.0	16.0	
15 Chloroethane	64	2.309	2.309	0.000	99	194212	20.0	18.5	
16 Dichlorofluoromethane	67	2.511	2.511	0.000	97	455734	20.0	17.5	
17 Trichlorofluoromethane	101	2.570	2.570	0.000	98	389277	20.0	13.7	
18 Ethyl ether	59	2.819	2.819	0.000	87	224099	20.0	21.9	
19 Acrolein	56	2.938	2.938	0.000	99	189053	100.0	74.7	
20 1,1-Dichloroethene	61	3.045	3.045	0.000	98	371804	20.0	18.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.057	3.057	0.000	94	283367	20.0	19.4	
22 Acetone	43	3.080	3.080	0.000	100	244443	40.0	54.8	
24 Iodomethane	142	3.199	3.199	0.000	98	445249	20.0	16.8	
25 Carbon disulfide	76	3.270	3.270	0.000	98	838132	20.0	19.6	
27 3-Chloro-1-propene	41	3.365	3.365	0.000	91	356072	20.0	17.7	
28 Methyl acetate	43	3.389	3.389	0.000	97	574416	40.0	43.4	
29 Methylene Chloride	49	3.483	3.483	0.000	85	305160	20.0	18.8	
30 2-Methyl-2-propanol	59	3.578	3.578	0.000	98	377175	200.0	244.8	
31 Acrylonitrile	53	3.697	3.697	0.000	99	1476050	200.0	258.0	
32 trans-1,2-Dichloroethene	61	3.732	3.732	0.000	98	374014	20.0	19.4	
33 Methyl tert-butyl ether	73	3.744	3.744	0.000	95	720033	20.0	18.2	
34 Hexane	57	3.982	3.982	0.000	89	388852	20.0	19.4	
35 1,1-Dichloroethane	63	4.112	4.112	0.000	96	478078	20.0	20.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	4.148	4.148	0.000	97	458130	20.0	17.4	
42 2,2-Dichloropropane	77	4.634	4.634	0.000	89	271926	20.0	19.6	
41 cis-1,2-Dichloroethene	96	4.634	4.634	0.000	80	322472	20.0	19.6	
40 2-Butanone (MEK)	72	4.634	4.634	0.000	96	117092	40.0	43.6	
46 Chlorobromomethane	49	4.847	4.847	0.000	90	214772	20.0	19.4	
47 Tetrahydrofuran	42	4.883	4.883	0.000	85	241904	40.0	41.1	
48 Chloroform	83	4.906	4.906	0.000	93	489325	20.0	19.4	
49 1,1,1-Trichloroethane	97	5.084	5.084	0.000	98	408834	20.0	17.2	
50 Cyclohexane	84	5.144	5.144	0.000	87	433226	20.0	19.9	
51 1,1-Dichloropropene	75	5.227	5.227	0.000	99	401890	20.0	20.1	
52 Carbon tetrachloride	117	5.239	5.239	0.000	97	373741	20.0	16.3	
53 Isobutyl alcohol	41	5.298	5.298	0.000	94	402338	500.0	643.9	
54 Benzene	78	5.416	5.416	0.000	95	1162494	20.0	21.5	
55 1,2-Dichloroethane	62	5.428	5.428	0.000	97	348611	20.0	17.0	
57 n-Heptane	57	5.642	5.642	0.000	87	194731	20.0	14.9	
59 Trichloroethene	130	5.997	5.997	0.000	98	315478	20.0	17.5	
61 Methylcyclohexane	83	6.175	6.175	0.000	90	483001	20.0	18.5	
62 1,2-Dichloropropane	63	6.187	6.187	0.000	97	263975	20.0	21.0	
64 Dibromomethane	174	6.306	6.306	0.000	93	204045	20.0	15.8	
65 1,4-Dioxane	88	6.306	6.306	0.000	89	100229	400.0	737.3	
66 Dichlorobromomethane	83	6.436	6.436	0.000	99	352098	20.0	17.8	
68 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	91	377818	40.0	37.5	
69 cis-1,3-Dichloropropene	75	6.851	6.851	0.000	98	411856	20.0	18.7	
70 4-Methyl-2-pentanone (MIBK)	43	6.982	6.982	0.000	94	706569	40.0	38.8	
71 Toluene	91	7.171	7.171	0.000	98	1207211	20.0	22.0	
72 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	91	368281	20.0	18.8	
73 Ethyl methacrylate	69	7.444	7.444	0.000	87	384459	20.0	21.8	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	90	251582	20.0	21.8	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	88	422613	20.0	21.7	
75 Tetrachloroethene	166	7.705	7.705	0.000	97	313147	20.0	17.9	
77 2-Hexanone	43	7.776	7.776	0.000	93	543079	40.0	42.5	
79 Chlorodibromomethane	129	7.930	7.930	0.000	90	273653	20.0	18.8	
81 Ethylene Dibromide	107	8.049	8.049	0.000	99	267077	20.0	19.7	
83 Chlorobenzene	112	8.535	8.535	0.000	96	762068	20.0	20.3	
84 1,1,1,2-Tetrachloroethane	131	8.606	8.606	0.000	96	271925	20.0	20.1	
85 Ethylbenzene	106	8.630	8.630	0.000	98	405847	20.0	20.7	
86 m-Xylene & p-Xylene	106	8.749	8.749	0.000	100	514095	20.0	21.5	
87 o-Xylene	106	9.152	9.152	0.000	96	493849	20.0	21.7	
88 Styrene	104	9.164	9.164	0.000	93	838175	20.0	21.5	
89 Bromoform	173	9.353	9.353	0.000	97	206659	20.0	17.4	
90 Isopropylbenzene	105	9.531	9.531	0.000	95	1286119	20.0	21.1	
93 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	95	422770	20.0	25.7	
95 Bromobenzene	156	9.852	9.852	0.000	90	318773	20.0	19.4	
96 1,2,3-Trichloropropane	110	9.875	9.875	0.000	84	140726	20.0	22.5	
97 trans-1,4-Dichloro-2-butene	53	9.875	9.875	0.000	78	110049	20.0	18.8	
98 N-Propylbenzene	120	9.946	9.946	0.000	99	360019	20.0	21.8	
100 2-Chlorotoluene	126	10.041	10.041	0.000	97	306532	20.0	21.9	
101 1,3,5-Trimethylbenzene	105	10.124	10.124	0.000	95	1064234	20.0	22.4	
102 4-Chlorotoluene	126	10.160	10.160	0.000	99	317614	20.0	21.0	
103 tert-Butylbenzene	119	10.468	10.468	0.000	91	911742	20.0	20.2	
105 1,2,4-Trimethylbenzene	105	10.527	10.527	0.000	96	1078268	20.0	22.4	
106 sec-Butylbenzene	105	10.705	10.705	0.000	94	1316264	20.0	21.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 1,3-Dichlorobenzene	146	10.824	10.824	0.000	98	608742	20.0	20.2	
108 4-Isopropyltoluene	119	10.848	10.848	0.000	97	1119636	20.0	21.0	
109 1,4-Dichlorobenzene	146	10.919	10.919	0.000	95	613956	20.0	19.7	
112 n-Butylbenzene	91	11.286	11.286	0.000	98	939390	20.0	21.4	
113 1,2-Dichlorobenzene	146	11.310	11.310	0.000	98	591833	20.0	21.6	
114 1,2-Dibromo-3-Chloropropane	157	12.128	12.128	0.000	89	107984	20.0	20.6	
116 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	93	305225	20.0	16.7	
117 Hexachlorobutadiene	225	13.208	13.208	0.000	98	124170	20.0	13.2	
118 Naphthalene	128	13.279	13.279	0.000	97	1045217	20.0	20.7	
119 1,2,3-Trichlorobenzene	180	13.540	13.540	0.000	96	302196	20.0	18.4	
S 124 Total BTEX	1				0		100.0	107.4	
S 125 Trihalomethanes, Total	1				0		80.0	73.4	
S 128 Xylenes, Total	106				0		40.0	43.2	

Reagents:

vmarolistdw_00350	Amount Added:	16.00	Units: uL	
vmrprimw_00391	Amount Added:	16.00	Units: uL	
vmrgas_00344	Amount Added:	16.00	Units: uL	
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

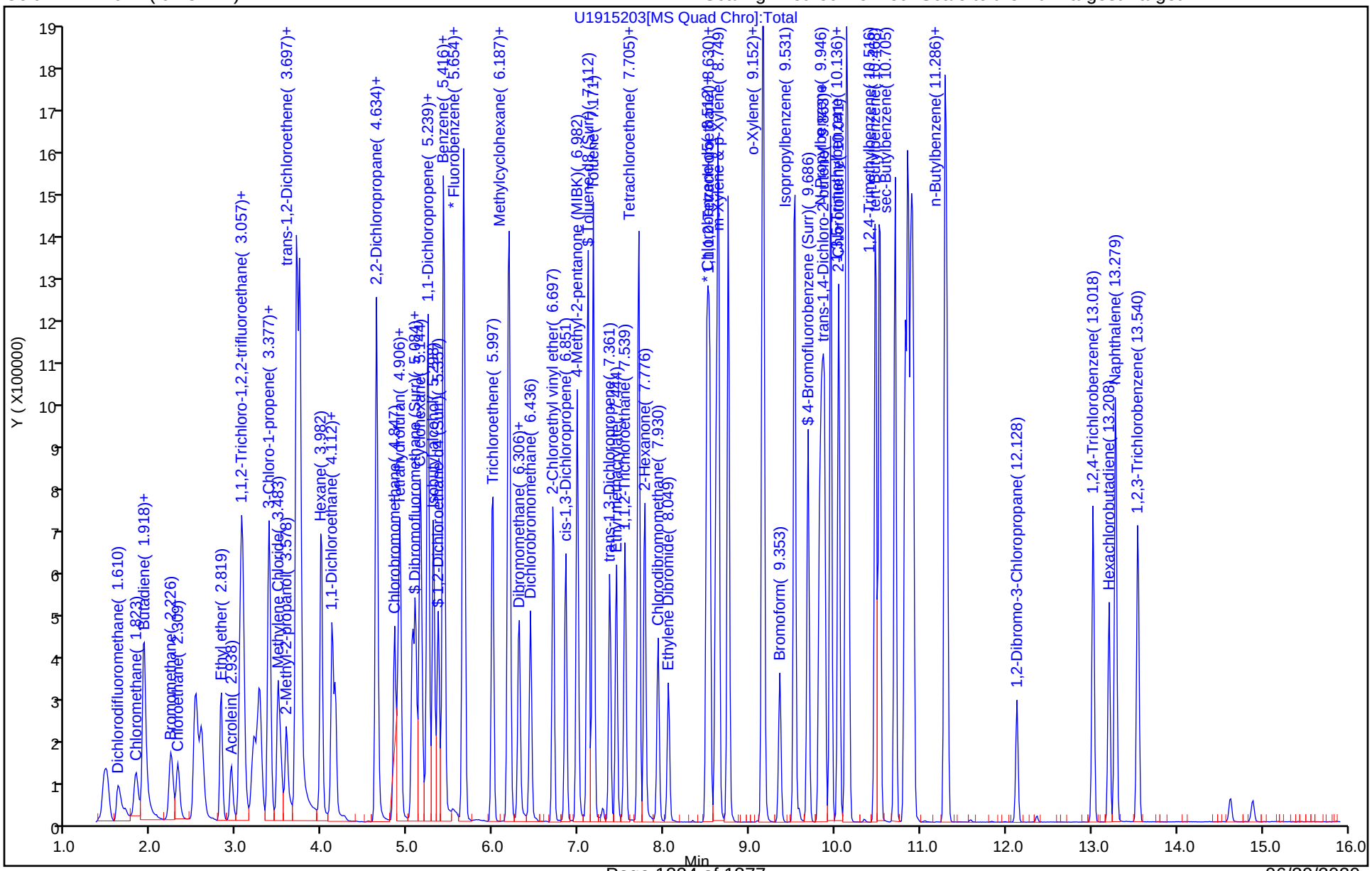
Report Date: 26-Jun-2020 16:54:39 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\U1915203.d

Injection Date:	26-Jun-2020 16:24:13	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\BFB4108.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 30-Apr-2019 13:47:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0086631-001
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Apr-2019 17:21:58 Calib Date: 30-Apr-2019 16:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269801.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: laveyt Date: 30-Apr-2019 14:30:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	3.433	3.433	0.000	0	656639	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

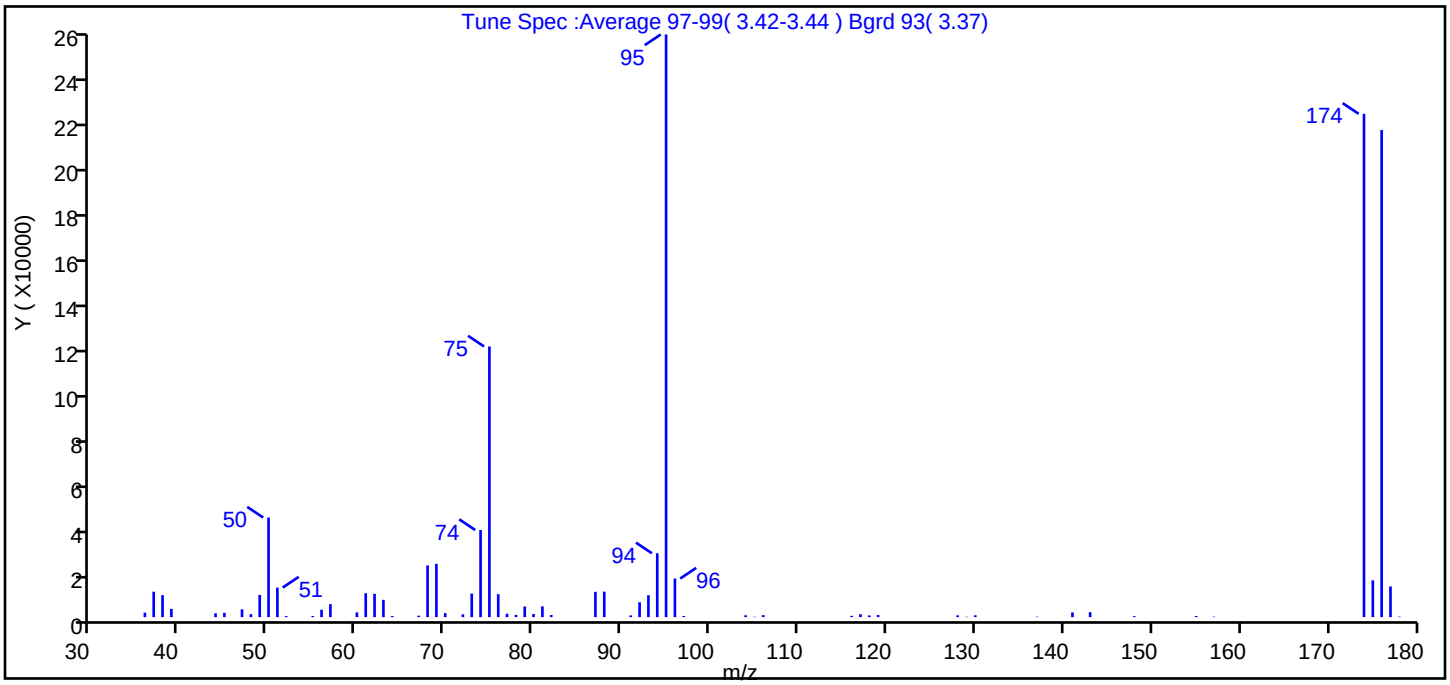
vmbfb_00021 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\BFB4108.D
Injection Date: 30-Apr-2019 13:47:30 Instrument ID: A3UX12
Lims ID: BFB
Client ID:
Operator ID: 001904 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 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	46.5
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	86.4
175	5 to 9% of m/z 174	6.3 (7.3)
176	Greater than 95% but less than 101% of m/z 174	83.6 (96.8)
177	5 to 9% of m/z 176	5.3 (6.3)

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\BFB4108.D\8260_12_h2o.rslt\spectra.d
Injection Date: 30-Apr-2019 13:47:30
Spectrum: Tune Spec :Average 97-99(3.42-3.44) Bgrd 93(3.37)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1949	62.00	10132	82.00	933	128.00	791
37.00	11044	63.00	7504	87.00	10980	129.00	174
38.00	9555	64.00	476	88.00	11070	130.00	792
39.00	3574	67.00	648	91.00	753	137.00	198
44.00	1655	68.00	22440	92.00	6468	141.00	2039
45.00	1879	69.00	23152	93.00	9506	143.00	2139
47.00	3381	70.00	1747	94.00	27720	148.00	438
48.00	1302	72.00	1224	95.00	252864	155.00	497
49.00	9643	73.00	10230	96.00	16760	157.00	207
50.00	43216	74.00	37816	97.00	508	174.00	218432
51.00	12836	75.00	117464	104.00	812	175.00	15985
52.00	474	76.00	9966	105.00	167	176.00	211392
55.00	510	77.00	1482	106.00	890	177.00	13318
56.00	3216	78.00	977	116.00	563	178.00	214
57.00	5655	79.00	4608	117.00	1264		
60.00	2066	80.00	1344	118.00	750		
61.00	10369	81.00	4681	119.00	914		

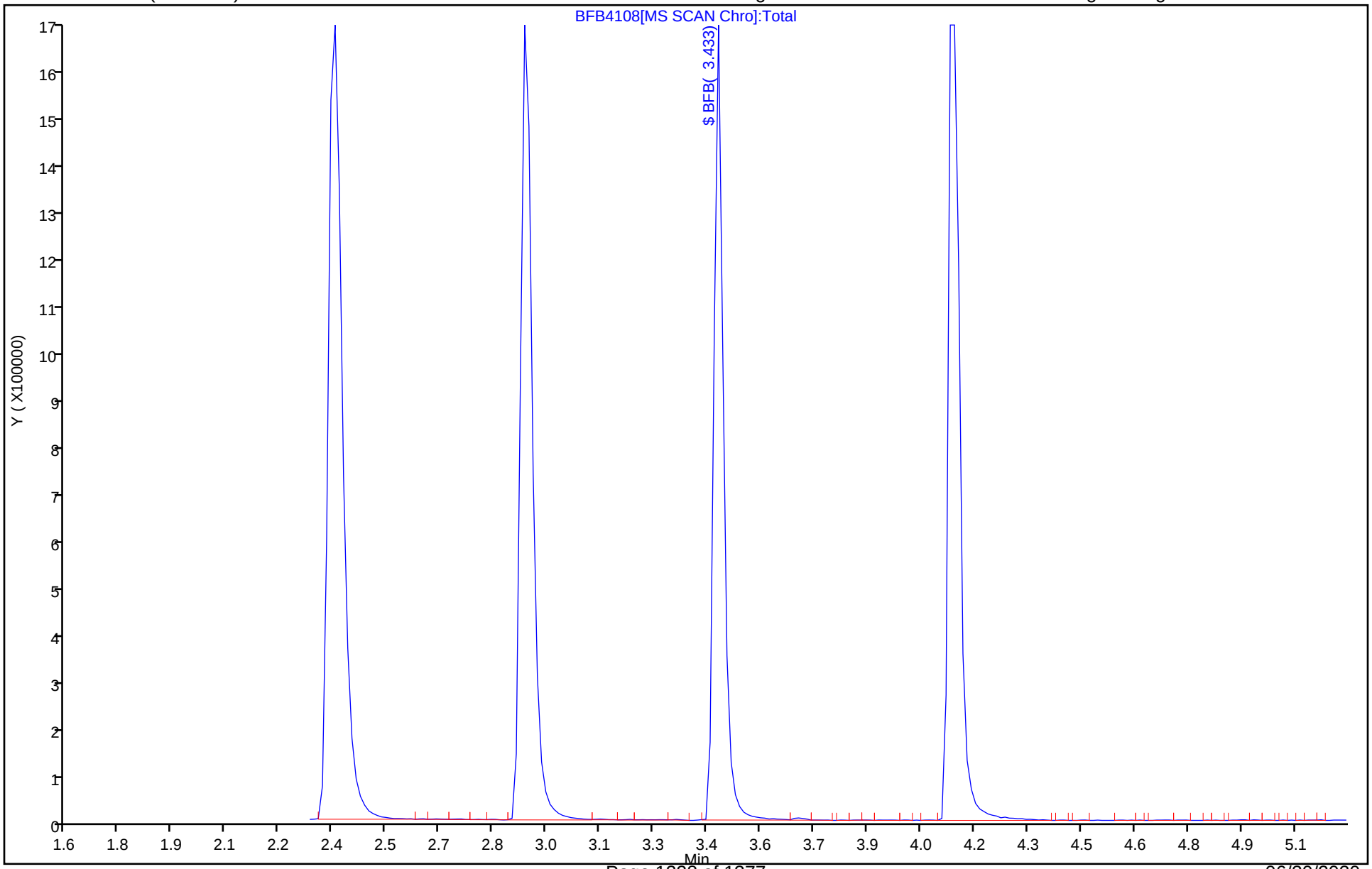
Report Date: 30-Apr-2019 17:21:59 Chrom Revision: 2.3 10-Apr-2019 17:48:54

Eurofins TestAmerica, Canton

Data File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\BFB4108.D

Injection Date:	30-Apr-2019 13:47:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\BFB4419.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 25-Jun-2020 15:52:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-001
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jun-2020 16:31:11 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: laveyt Date: 25-Jun-2020 16:31:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	3.421	3.421	0.000	0	492149	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

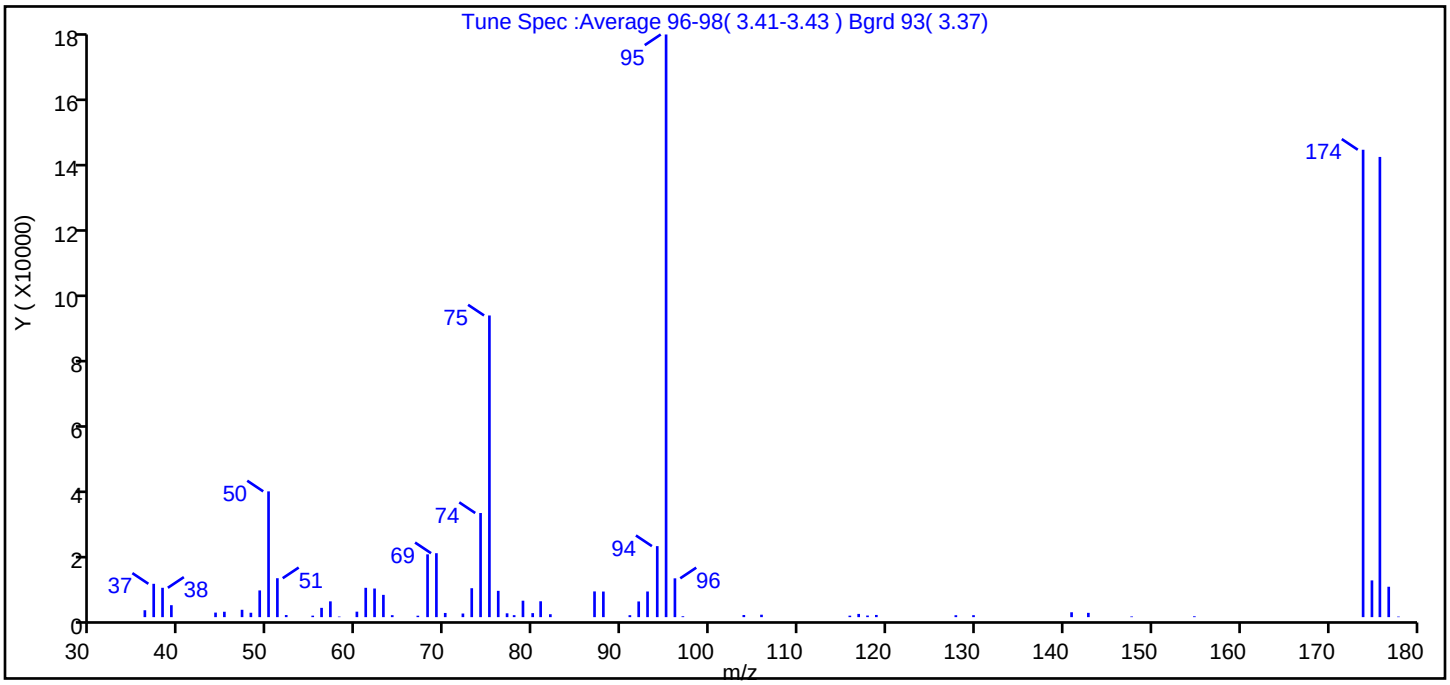
vmbfb_00025 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\BFB4419.D
Injection Date: 25-Jun-2020 15:52:30 Instrument ID: A3UX12
Lims ID: BFB
Client ID:
Operator ID: 001904 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.6
75	30 to 60% of m/z 95	51.8
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	80.2
175	5 to 9% of m/z 174	6.3 (7.9)
176	Greater than 95% but less than 101% of m/z 174	79.0 (98.5)
177	5 to 9% of m/z 176	5.2 (6.6)

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\BFB4419.D\8260_12_h2o.rslt\spectra.d
Injection Date: 25-Jun-2020 15:52:30
Spectrum: Tune Spec :Average 96-98(3.41-3.43) Bgrd 93(3.37)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2092	60.00	1664	79.00	4989	117.00	978
37.00	10108	61.00	8892	80.00	1217	118.00	490
38.00	8899	62.00	8679	81.00	4812	119.00	666
39.00	3625	63.00	6756	82.00	884	128.00	585
44.00	1379	64.00	598	87.00	7798	130.00	598
45.00	1635	67.00	436	88.00	7761	141.00	1482
47.00	2232	68.00	19040	91.00	594	143.00	1302
48.00	1333	69.00	19384	92.00	4756	148.00	206
49.00	8101	70.00	1268	93.00	7776	155.00	260
50.00	38128	72.00	1101	94.00	21528	174.00	141696
51.00	11803	73.00	8770	95.00	176640	175.00	11138
52.00	635	74.00	31568	96.00	11768	176.00	139520
55.00	452	75.00	91456	97.00	265	177.00	9217
56.00	2818	76.00	7978	104.00	648	178.00	168
57.00	4787	77.00	1163	106.00	738		
58.00	170	78.00	601	116.00	451		

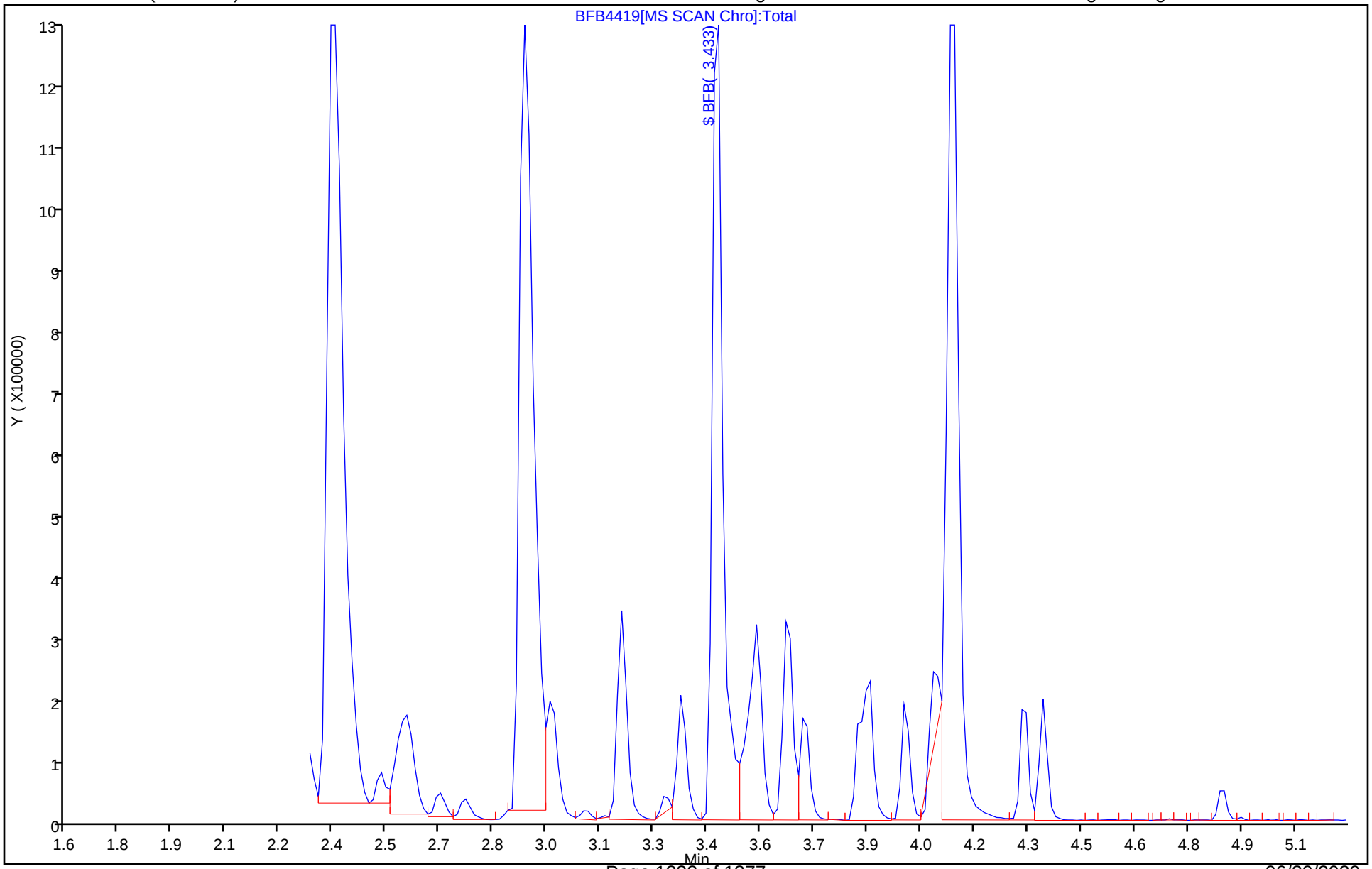
Report Date: 25-Jun-2020 16:31:11 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\BFB4419.D

Injection Date:	25-Jun-2020 15:52:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\BFB6395.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 18-May-2020 08:55:30 ALS Bottle#: 3 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0098338-001
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 18-May-2020 09:30:44 Calib Date: 29-Apr-2020 20:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200429-97890.b\UXM27879.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1042

First Level Reviewer: bosworthh Date: 18-May-2020 09:30:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	3.935	3.935	0.000	0	304791	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

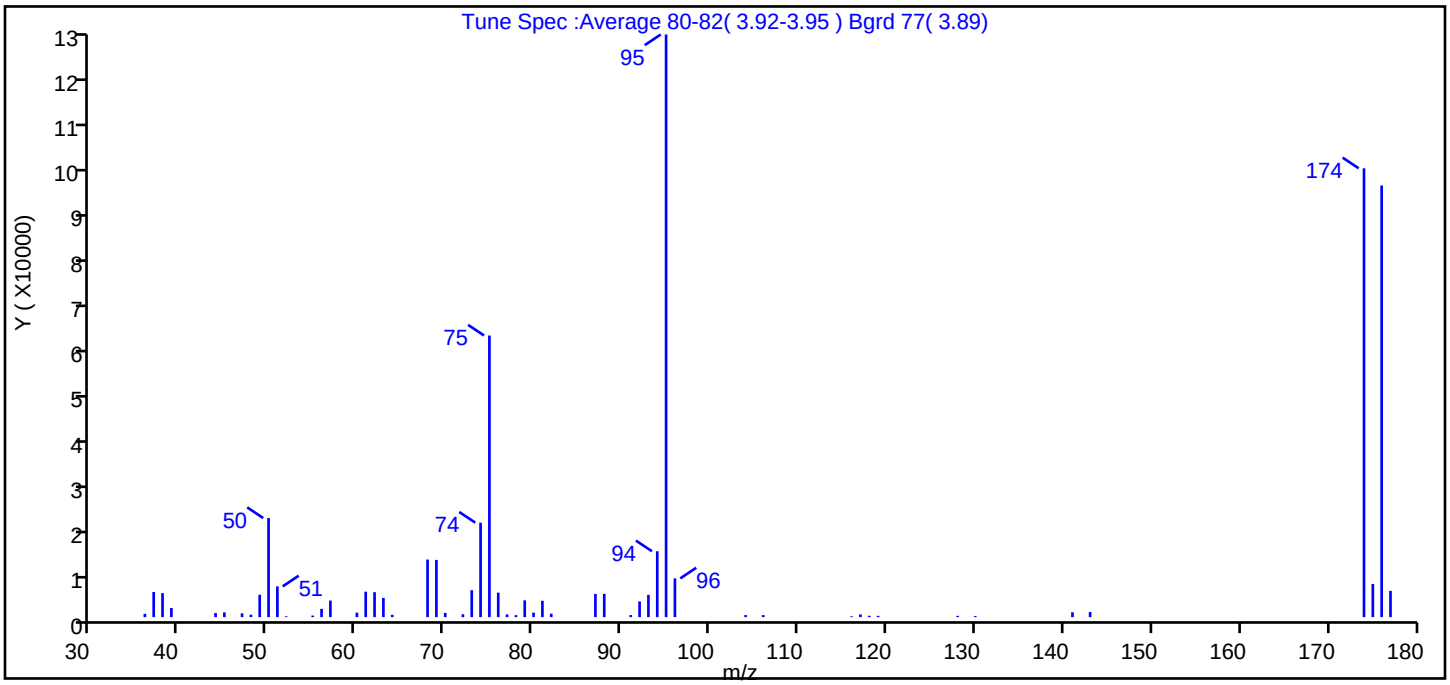
vmbfb_00024 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\BFB6395.D
Injection Date: 18-May-2020 08:55:30 Instrument ID: A3UX16
Lims ID: BFB
Client ID:
Operator ID: 001765 ALS Bottle#: 3 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.0
75	30 to 60% of m/z 95	48.3
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	77.0
175	5 to 9% of m/z 174	5.7 (7.4)
176	Greater than 95% but less than 101% of m/z 174	74.1 (96.2)
177	5 to 9% of m/z 176	4.5 (6.1)

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\BFB6395.D\8260_16.rslt\spectra.d
Injection Date: 18-May-2020 08:55:30
Spectrum: Tune Spec :Average 80-82(3.92-3.95) Bgrd 77(3.89)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	739	57.00	3677	77.00	616	104.00	461
37.00	5577	60.00	1007	78.00	440	106.00	459
38.00	5314	61.00	5642	79.00	3729	116.00	182
39.00	2033	62.00	5529	80.00	998	117.00	611
44.00	908	63.00	4266	81.00	3626	118.00	307
45.00	1059	64.00	509	82.00	768	119.00	298
47.00	843	68.00	12749	87.00	5148	128.00	283
48.00	548	69.00	12671	88.00	5163	130.00	235
49.00	4962	70.00	936	91.00	465	141.00	1082
50.00	21944	72.00	635	92.00	3482	143.00	1154
51.00	6815	73.00	5968	93.00	4933	174.00	99392
52.00	189	74.00	20928	94.00	14594	175.00	7337
55.00	356	75.00	62360	95.00	129024	176.00	95592
56.00	1839	76.00	5426	96.00	8578	177.00	5815

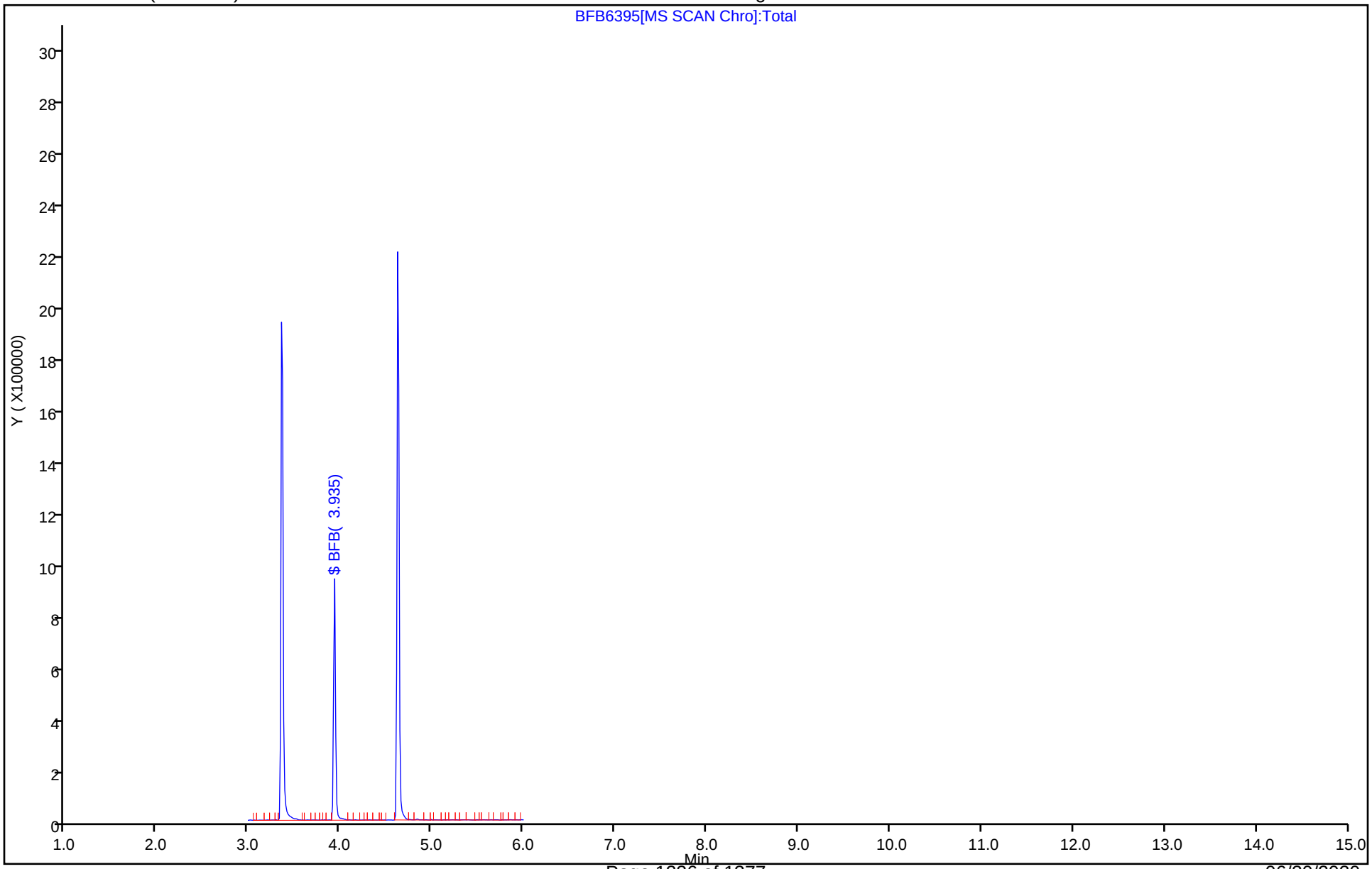
Report Date: 18-May-2020 09:30:45 Chrom Revision: 2.3 12-May-2020 10:44:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200518-98338.b\BFB6395.D

Injection Date:	18-May-2020 08:55:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\BFB6434.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 24-Jun-2020 09:03:30 ALS Bottle#: 5 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0099464-001
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Jun-2020 13:01:33 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1005

First Level Reviewer: bosworthh Date: 24-Jun-2020 09:11:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	3.935	3.935	0.000	0	280453	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

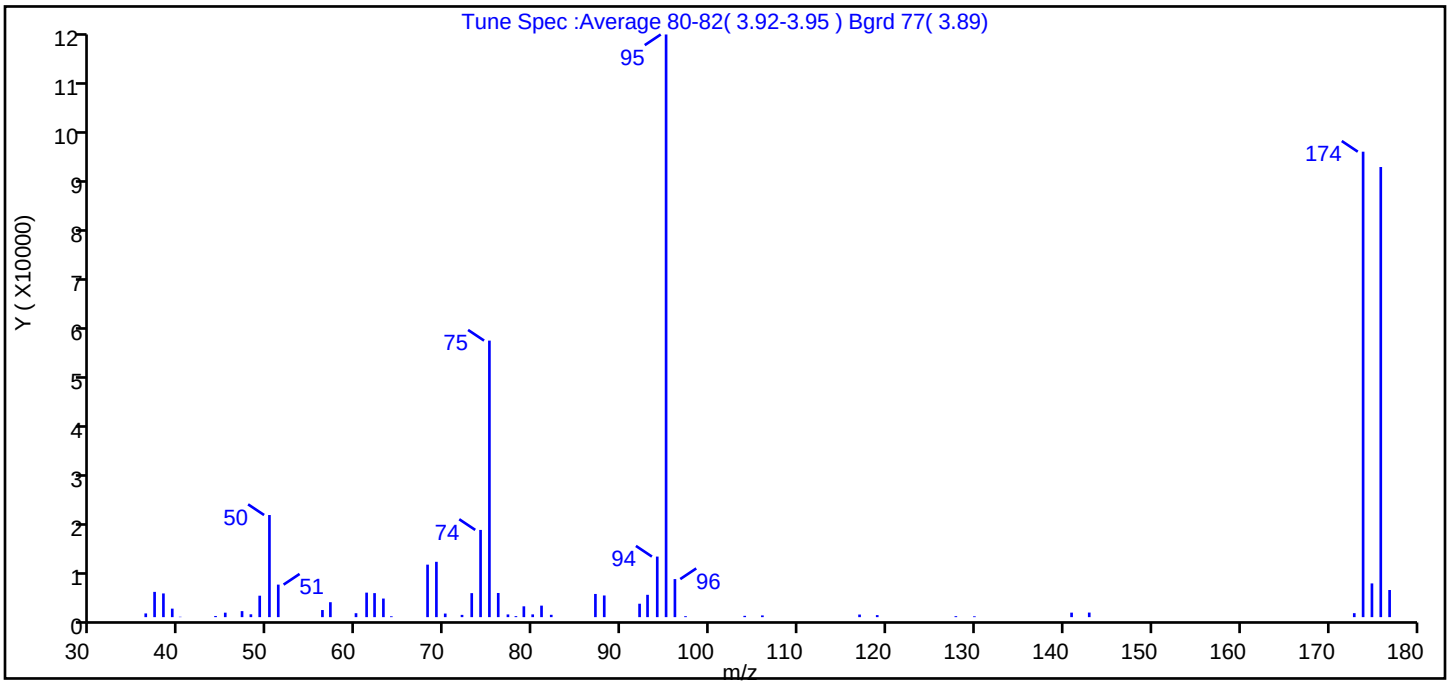
vmbfb_00025 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\BFB6434.D
Injection Date: 24-Jun-2020 09:03:30 Instrument ID: A3UX16
Lims ID: BFB
Client ID:
Operator ID: 001765 ALS Bottle#: 5 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.5
75	30 to 60% of m/z 95	47.5
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.7 (0.9)
174	50 to 120% of m/z 95	79.9
175	5 to 9% of m/z 174	5.8 (7.2)
176	Greater than 95% but less than 101% of m/z 174	77.3 (96.7)
177	5 to 9% of m/z 176	4.7 (6.0)

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\BFB6434.D\8260_16.rslt\spectra.d
Injection Date: 24-Jun-2020 09:03:30
Spectrum: Tune Spec :Average 80-82(3.92-3.95) Bgrd 77(3.89)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 54

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	746	60.00	791	78.00	205	106.00	347
37.00	5076	61.00	4925	79.00	2176	117.00	520
38.00	4763	62.00	4826	80.00	556	119.00	409
39.00	1711	63.00	3736	81.00	2314	128.00	195
40.00	74	64.00	167	82.00	472	130.00	167
44.00	233	68.00	10549	87.00	4660	141.00	905
45.00	898	69.00	11119	88.00	4353	143.00	919
47.00	1210	70.00	721	92.00	2696	173.00	798
48.00	571	72.00	457	93.00	4487	174.00	93528
49.00	4310	73.00	4823	94.00	12169	175.00	6778
50.00	20520	74.00	17528	95.00	117080	176.00	90448
51.00	6537	75.00	55568	96.00	7647	177.00	5452
56.00	1428	76.00	4855	97.00	191		
57.00	3002	77.00	545	104.00	262		

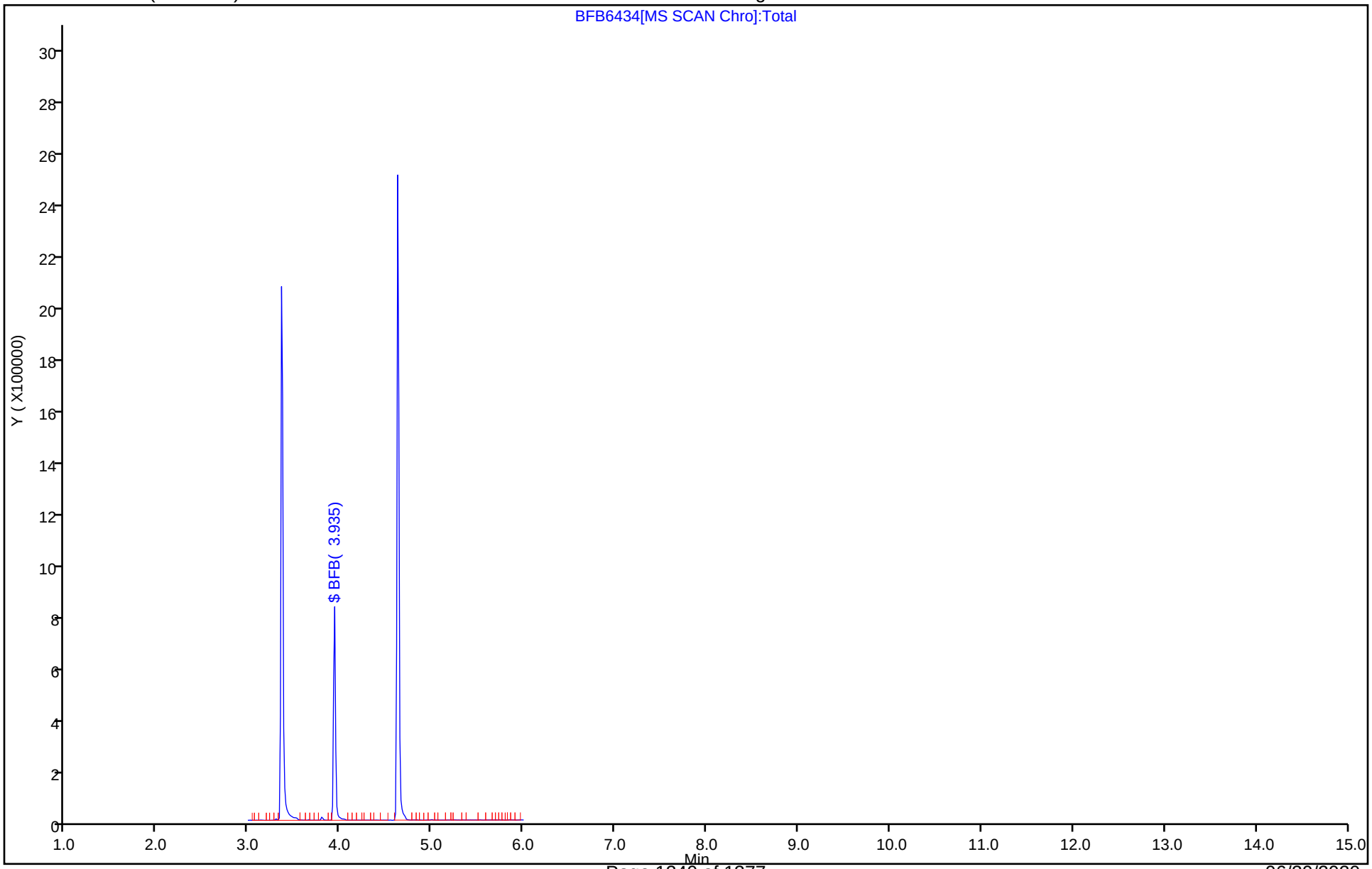
Report Date: 24-Jun-2020 13:01:33 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\BFB6434.D

Injection Date:	24-Jun-2020 09:03:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\BFB6437.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 26-Jun-2020 00:02:30 ALS Bottle#: 37 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-001
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 07:54:44 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 07:54:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	3.935	3.935	0.000	0	271848	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

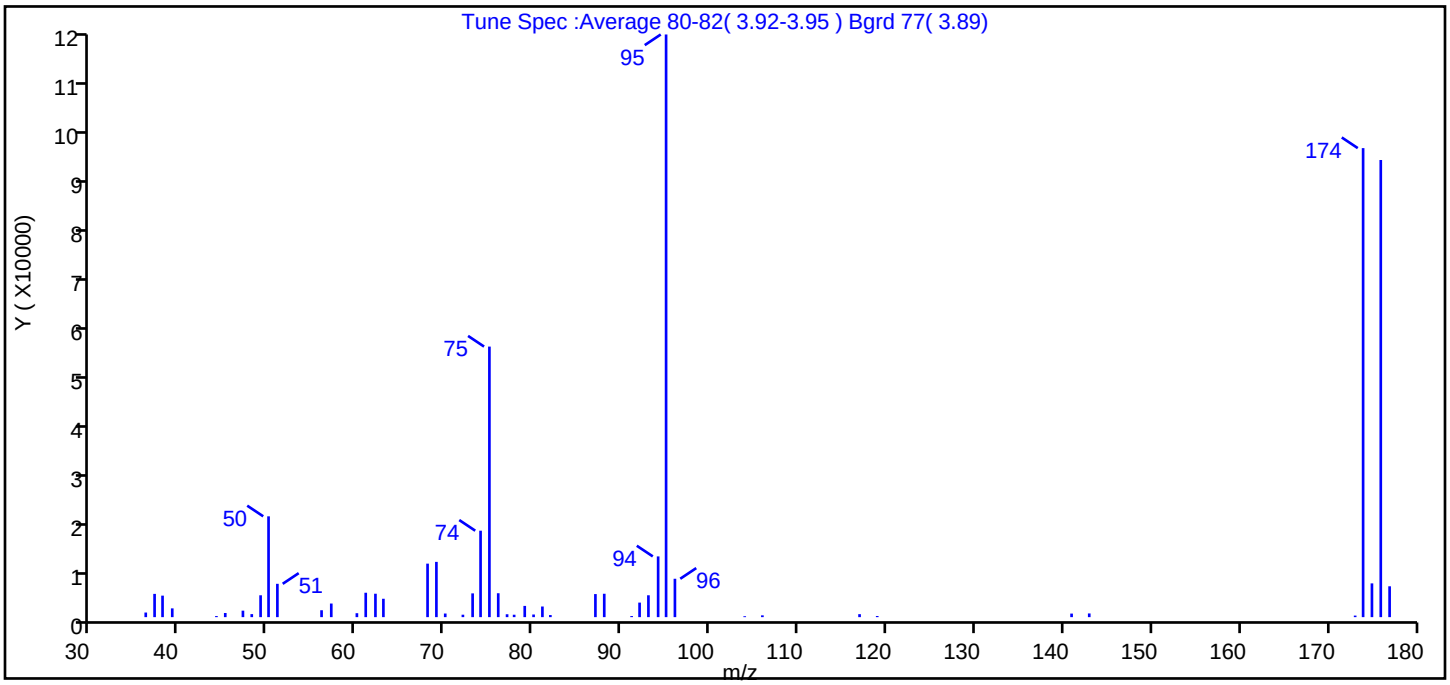
vmbfb_00025 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\BFB6437.D
Injection Date: 26-Jun-2020 00:02:30 Instrument ID: A3UX16
Lims ID: BFB
Client ID:
Operator ID: 001765 ALS Bottle#: 37 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.3
75	30 to 60% of m/z 95	46.4
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.3 (0.3)
174	50 to 120% of m/z 95	80.5
175	5 to 9% of m/z 174	5.8 (7.2)
176	Greater than 95% but less than 101% of m/z 174	78.5 (97.5)
177	5 to 9% of m/z 176	5.3 (6.8)

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\BFB6437.D\8260_16.rslt\spectra.d
Injection Date: 26-Jun-2020 00:02:30
Spectrum: Tune Spec :Average 80-82(3.92-3.95) Bgrd 77(3.89)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	882	60.00	754	78.00	464	104.00	172
37.00	4452	61.00	4670	79.00	2151	106.00	345
38.00	4116	62.00	4481	80.00	506	117.00	570
39.00	1680	63.00	3518	81.00	2036	119.00	216
44.00	209	68.00	10241	82.00	399	141.00	682
45.00	794	69.00	10578	87.00	4416	143.00	707
47.00	1242	70.00	692	88.00	4476	173.00	296
48.00	581	72.00	468	91.00	206	174.00	89768
49.00	4184	73.00	4548	92.00	2783	175.00	6462
50.00	19296	74.00	16544	93.00	4186	176.00	87496
51.00	6379	75.00	51784	94.00	11624	177.00	5906
56.00	1323	76.00	4576	95.00	111520		
57.00	2606	77.00	553	96.00	7346		

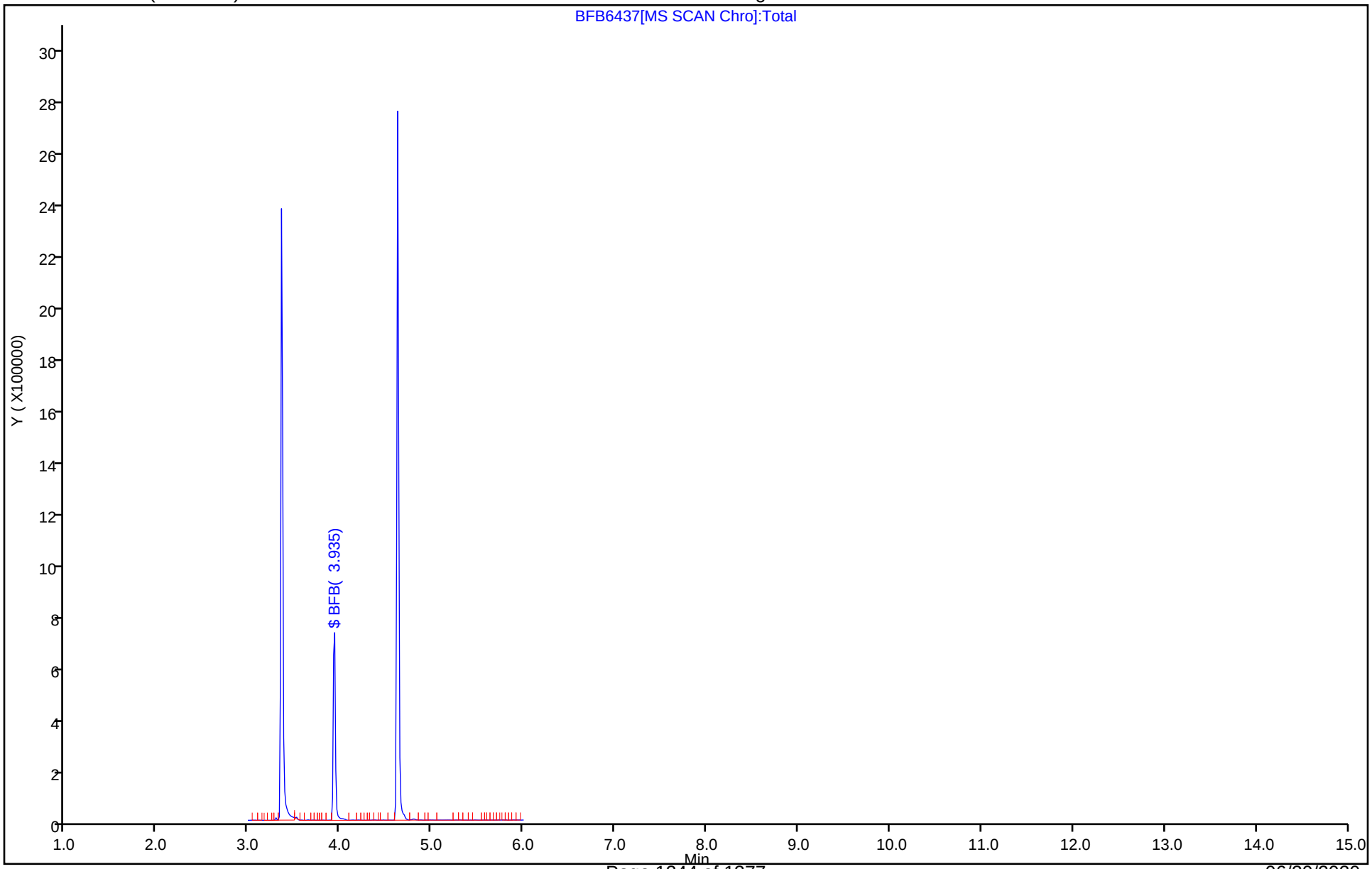
Report Date: 26-Jun-2020 07:54:44 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\BFB6437.D

Injection Date:	26-Jun-2020 00:02:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	37
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton

Target Compound Quantitation Report

Data File:	\\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\bfb036.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	24-Jul-2018 17:22:19	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	240-0078277-001				
Operator ID:	001904	Instrument ID:	A3UX19		
Method:	\\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\8260_19.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	24-Jul-2018 18:26:01	Calib Date:	01-Jan-0001 00:00:00		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	XAWRK002				
First Level Reviewer: laveyt		Date:	24-Jul-2018 18:26:01		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	4.698	4.698	0.000	0	1090680	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

vmbfb_00020 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\bfb036.d

Injection Date: 24-Jul-2018 17:22:19 Instrument ID: A3UX19

Lims ID: BFB

Client ID:

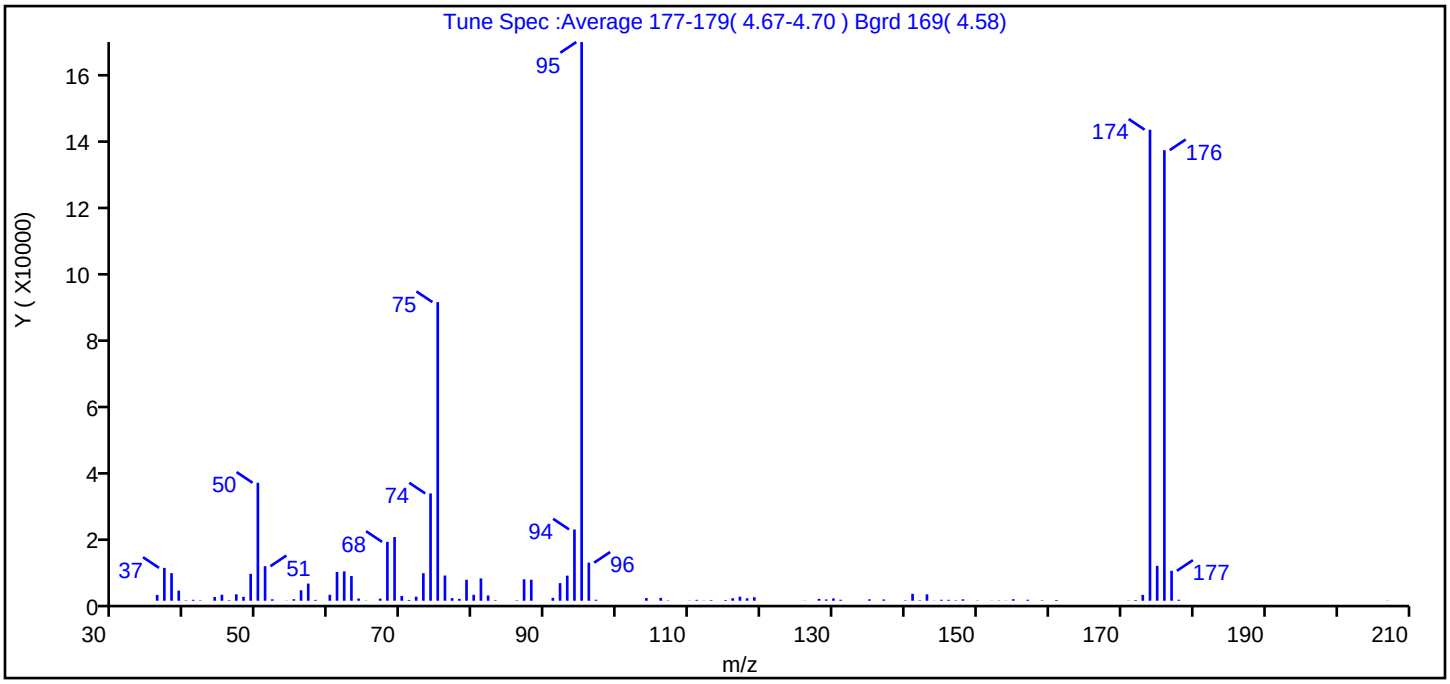
Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 1

Injection Vol: 5.0 mL Dil. Factor: 1.0000

Method: 8260_19 Limit Group: MSV 8260C ICAL

Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.1
75	30 to 60% of m/z 95	53.5
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	1.1 (1.2)
174	50 to 120% of m/z 95	84.3
175	5 to 9% of m/z 174	6.2 (7.4)
176	Greater than 95% but less than 101% of m/z 174	80.7 (95.7)
177	5 to 9% of m/z 176	5.4 (6.6)

Report Date: 24-Jul-2018 18:26:02 Chrom Revision: 2.3 19-Jul-2018 15:14:50

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\bfb036.d\8260_19.rslt\spectra.d

Injection Date: 24-Jul-2018 17:22:19

Spectrum: Tune Spec :Average 177-179(4.67-4.70) Bgrd 169(4.58)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 99

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1706	64.00	645	94.00	20976	142.00	135
37.00	9667	65.00	75	95.00	164416	143.00	1887
38.00	8121	67.00	620	96.00	11195	144.00	54
39.00	2976	68.00	17320	97.00	297	145.00	282
40.00	128	69.00	18752	104.00	777	146.00	275
41.00	280	70.00	1405	106.00	846	147.00	123
42.00	120	71.00	220	107.00	102	148.00	420
44.00	1112	72.00	1196	110.00	66	150.00	76
45.00	1770	73.00	8112	111.00	269	152.00	57
46.00	157	74.00	31576	112.00	68	153.00	83
47.00	1883	75.00	87888	113.00	186	154.00	50
48.00	1146	76.00	7419	115.00	214	155.00	454
49.00	7909	77.00	768	116.00	734	157.00	295
50.00	34728	78.00	542	117.00	1191	159.00	132
51.00	10164	79.00	6178	118.00	715	161.00	228
52.00	428	80.00	1749	119.00	1035	171.00	76
54.00	52	81.00	6569	126.00	50	172.00	196
55.00	455	82.00	1544	128.00	562	173.00	1730
56.00	3065	83.00	158	129.00	380	174.00	138624
57.00	5049	86.00	123	130.00	675	175.00	10263
58.00	260	87.00	6315	131.00	295	176.00	132608
60.00	1747	88.00	6174	135.00	411	177.00	8811
61.00	8473	91.00	844	137.00	377	178.00	300
62.00	8634	92.00	5187	140.00	129	207.00	54
63.00	7267	93.00	7390	141.00	2044		

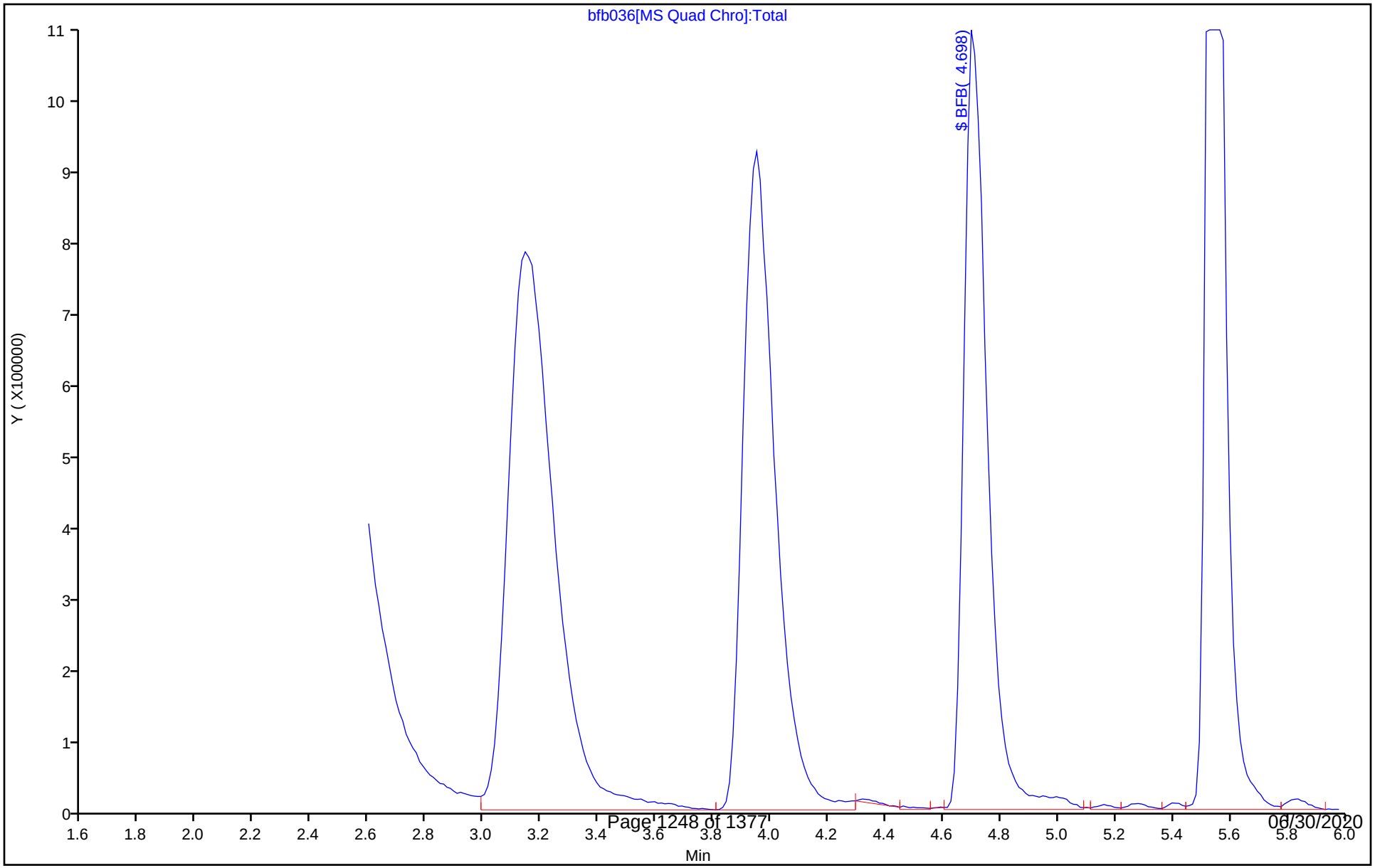
Report Date: 24-Jul-2018 18:26:02 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180724-78277.b\bfb036.d

Injection Date:	24-Jul-2018 17:22:19	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File:	\\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\bfb037.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	25-Jul-2018 11:28:13	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	240-0078311-001				
Operator ID:	001904	Instrument ID:	A3UX19		
Method:	\\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\8260_19.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	25-Jul-2018 16:32:06	Calib Date:	25-Jul-2018 15:15:13		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\U1900807.d				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	XAWRK026				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	4.686	4.686	0.000	0	1106546	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

vmbfb_00020 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\bfb037.d

Injection Date: 25-Jul-2018 11:28:13 Instrument ID: A3UX19

Lims ID: BFB

Client ID:

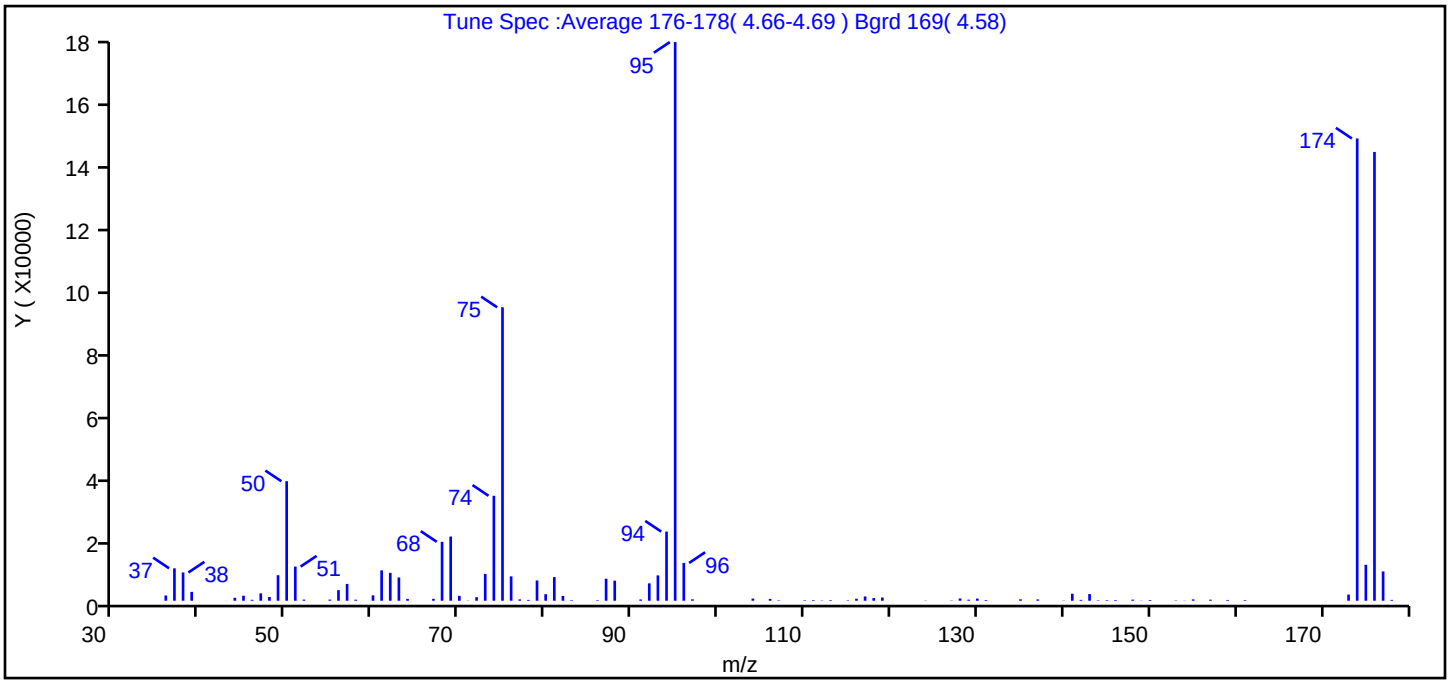
Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 1

Injection Vol: 5.0 mL Dil. Factor: 1.0000

Method: 8260_19 Limit Group: MSV 8260C ICAL

Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.4
75	30 to 60% of m/z 95	52.5
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	1.1 (1.3)
174	50 to 120% of m/z 95	82.7
175	5 to 9% of m/z 174	6.4 (7.8)
176	Greater than 95% but less than 101% of m/z 174	80.3 (97.1)
177	5 to 9% of m/z 176	5.2 (6.5)

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\bfb037.d\8260_19.rslt\spectra.d

Injection Date: 25-Jul-2018 11:28:13

Spectrum: Tune Spec :Average 176-178(4.66-4.69) Bgrd 169(4.58)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 92

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1628	67.00	581	94.00	21384	137.00	409
37.00	10027	68.00	18224	95.00	172800	140.00	80
38.00	8737	69.00	19856	96.00	11689	141.00	2163
39.00	2738	70.00	1521	97.00	441	142.00	263
43.00	20	71.00	65	104.00	670	143.00	2064
44.00	922	72.00	1099	106.00	557	144.00	132
45.00	1551	73.00	8295	107.00	144	145.00	176
46.00	292	74.00	32464	110.00	165	146.00	215
47.00	2293	75.00	90760	111.00	202	148.00	348
48.00	1156	76.00	7539	112.00	94	149.00	57
49.00	7894	77.00	416	113.00	196	150.00	232
50.00	36968	78.00	262	115.00	145	153.00	106
51.00	10570	79.00	6264	116.00	614	154.00	54
52.00	361	80.00	2025	117.00	1332	155.00	412
55.00	352	81.00	7320	118.00	827	157.00	327
56.00	3282	82.00	1495	119.00	1001	159.00	239
57.00	5195	83.00	170	124.00	70	161.00	201
58.00	322	86.00	159	127.00	96	173.00	1900
60.00	1660	87.00	6806	128.00	700	174.00	142976
61.00	9391	88.00	6205	129.00	329	175.00	11113
62.00	8617	91.00	385	130.00	667	176.00	138816
63.00	7197	92.00	5382	131.00	228	177.00	9062
64.00	572	93.00	7843	135.00	442	178.00	262

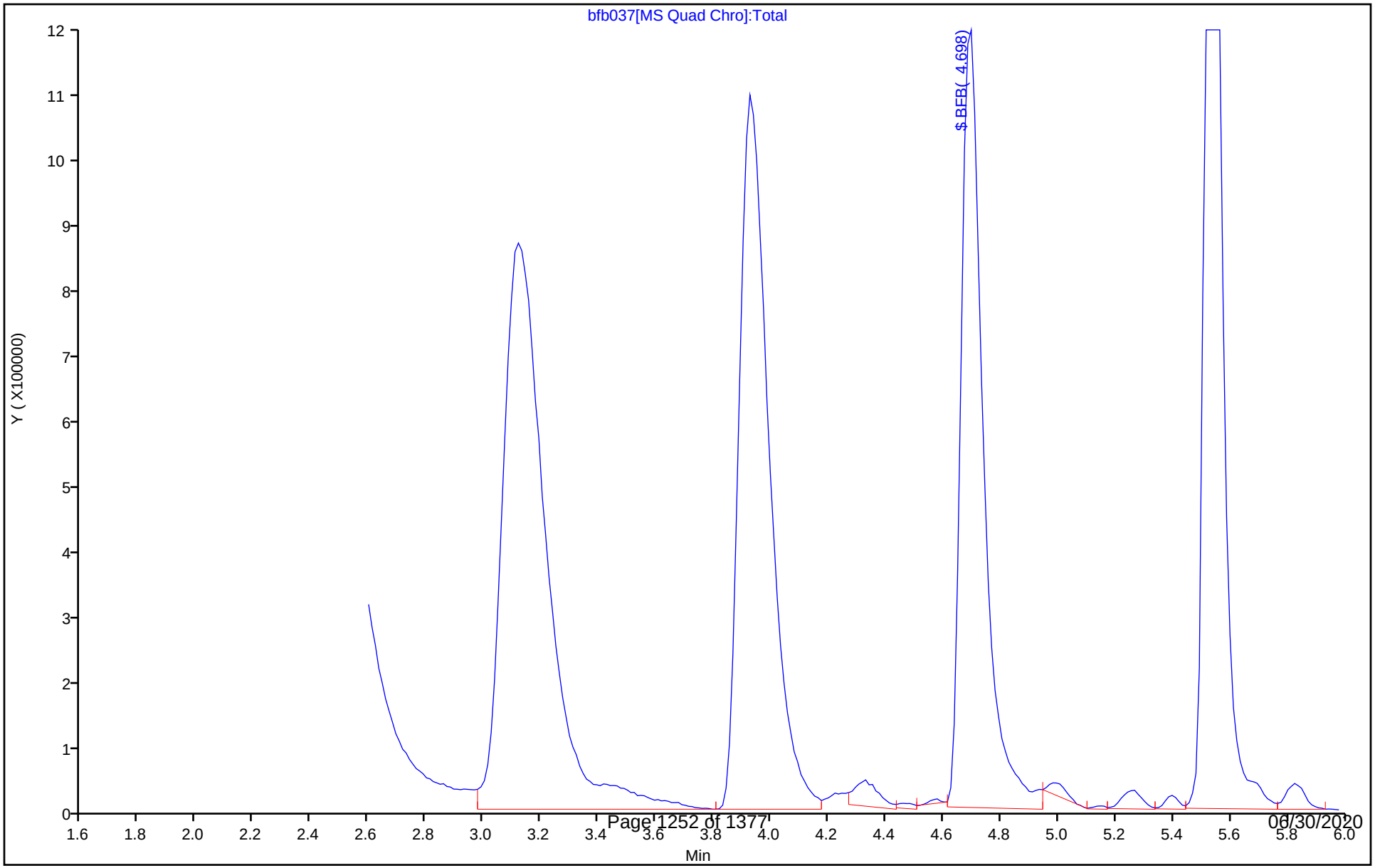
Report Date: 25-Jul-2018 16:32:07 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180725-78311.b\bfb037.d

Injection Date:	25-Jul-2018 11:28:13	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Canton

Target Compound Quantitation Report

Data File:	\\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\bfb058.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	27-Aug-2018 16:23:35	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	240-0079307-001				
Operator ID:	001904	Instrument ID:	A3UX19		
Method:	\\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\8260_19.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	27-Aug-2018 20:00:43	Calib Date:	27-Aug-2018 19:23:28		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\U1901329.d				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	XAWRK010				
First Level Reviewer: laveyt		Date:	27-Aug-2018 19:59:46		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	4.698	4.698	0.000	0	1569511	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

vmbfb_00020 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\bfb058.d

Injection Date: 27-Aug-2018 16:23:35 Instrument ID: A3UX19

Lims ID: BFB

Client ID:

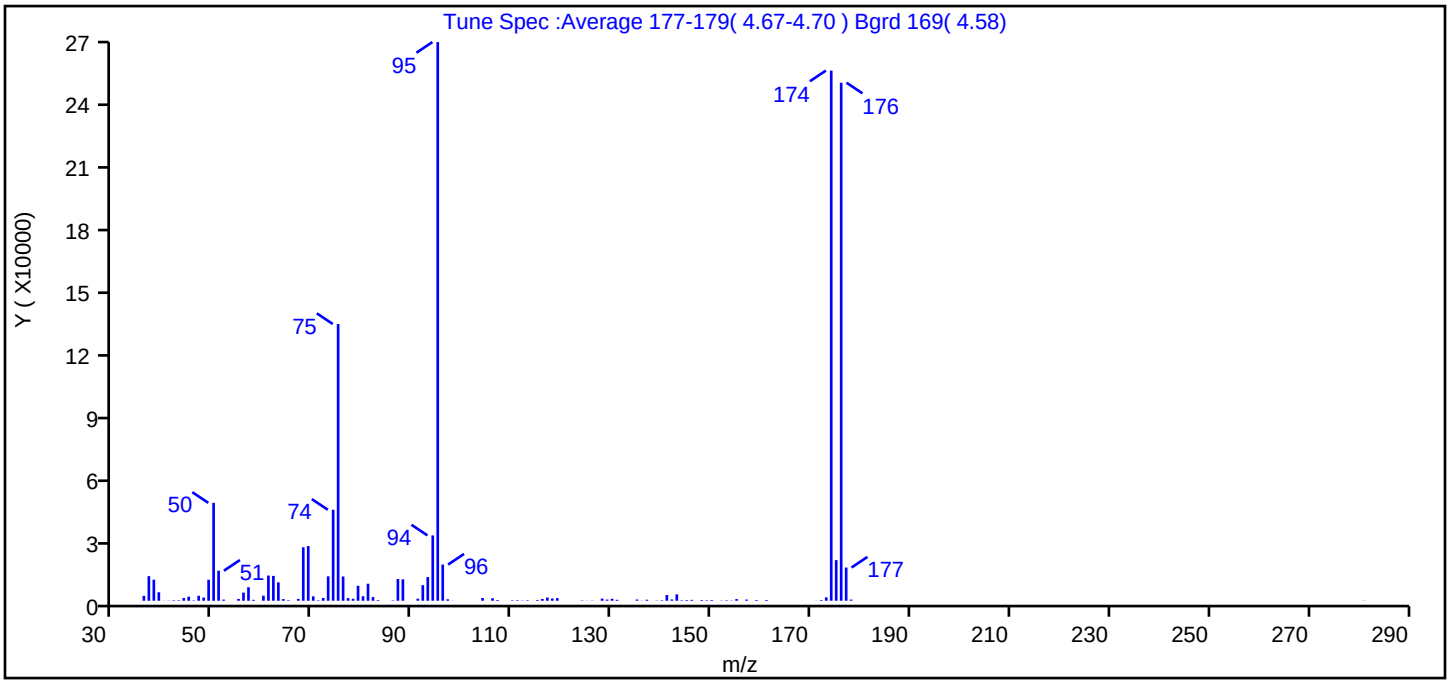
Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 1

Injection Vol: 5.0 mL Dil. Factor: 1.0000

Method: 8260_19 Limit Group: MSV 8260C ICAL

Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.5
75	30 to 60% of m/z 95	49.5
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.6 (0.6)
174	50 to 120% of m/z 95	94.9
175	5 to 9% of m/z 174	7.3 (7.7)
176	Greater than 95% but less than 101% of m/z 174	92.7 (97.7)
177	5 to 9% of m/z 176	5.9 (6.4)

Report Date: 27-Aug-2018 20:00:44 Chrom Revision: 2.3 19-Jul-2018 15:14:50

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\bfb058.d\8260_19.rslt\spectra.d

Injection Date: 27-Aug-2018 16:23:35

Spectrum: Tune Spec :Average 177-179(4.67-4.70) Bgrd 169(4.58)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 104

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2349	65.00	256	96.00	17360	140.00	251
37.00	11809	67.00	862	97.00	688	141.00	2734
38.00	10107	68.00	25672	98.00	58	142.00	600
39.00	4064	69.00	26264	104.00	1300	143.00	3067
40.00	66	70.00	2099	106.00	1203	144.00	221
41.00	100	71.00	235	107.00	359	145.00	322
42.00	232	72.00	1321	110.00	224	146.00	434
43.00	243	73.00	11723	111.00	256	148.00	370
44.00	1279	74.00	43680	112.00	119	149.00	227
45.00	1945	75.00	132864	113.00	246	150.00	326
46.00	198	76.00	11659	115.00	360	152.00	127
47.00	2373	77.00	1269	116.00	866	153.00	224
48.00	1513	78.00	954	117.00	1530	154.00	142
49.00	10079	79.00	7185	118.00	1063	155.00	786
50.00	47000	80.00	2148	119.00	1259	157.00	556
51.00	14416	81.00	8168	124.00	158	159.00	325
52.00	549	82.00	1723	125.00	69	161.00	362
55.00	872	83.00	325	126.00	112	171.00	51
56.00	3900	86.00	204	128.00	1021	172.00	331
57.00	6486	87.00	10430	129.00	555	173.00	1639
58.00	440	88.00	10260	130.00	946	174.00	254528
60.00	2424	91.00	1000	131.00	447	175.00	19520
61.00	12091	92.00	7487	135.00	583	176.00	248704
62.00	11912	93.00	11359	136.00	73	177.00	15935
63.00	8822	94.00	31360	137.00	488	178.00	556
64.00	782	95.00	268224	139.00	133	281.00	85

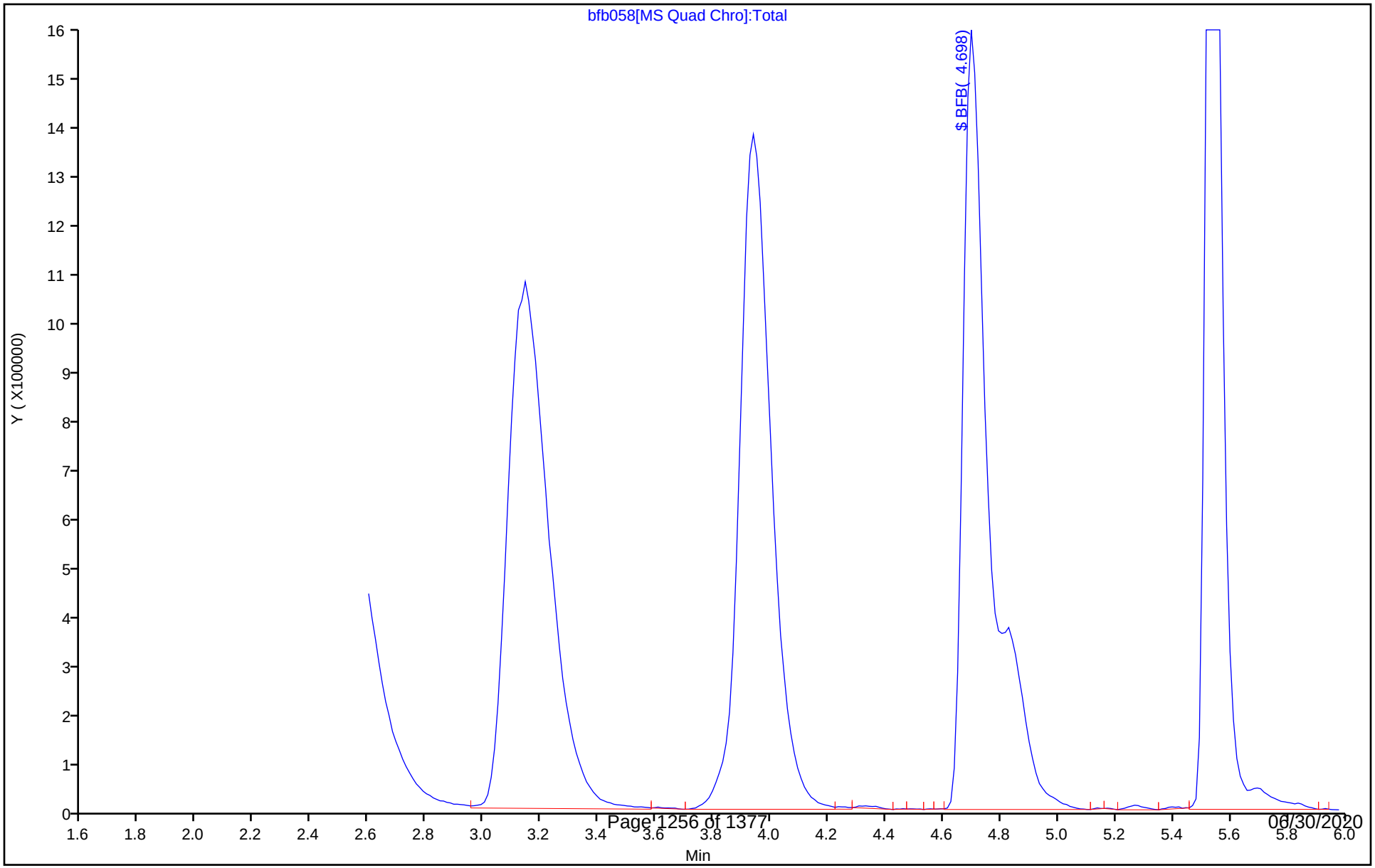
Report Date: 27-Aug-2018 20:00:44 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A3UX19\20180827-79307.b\bfb058.d

Injection Date:	27-Aug-2018 16:23:35	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\bfb554.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 25-Jun-2020 15:47:16 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-001
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jun-2020 16:01:11 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: laveyt Date: 25-Jun-2020 16:01:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	4.703	4.703	0.000	0	1668080	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

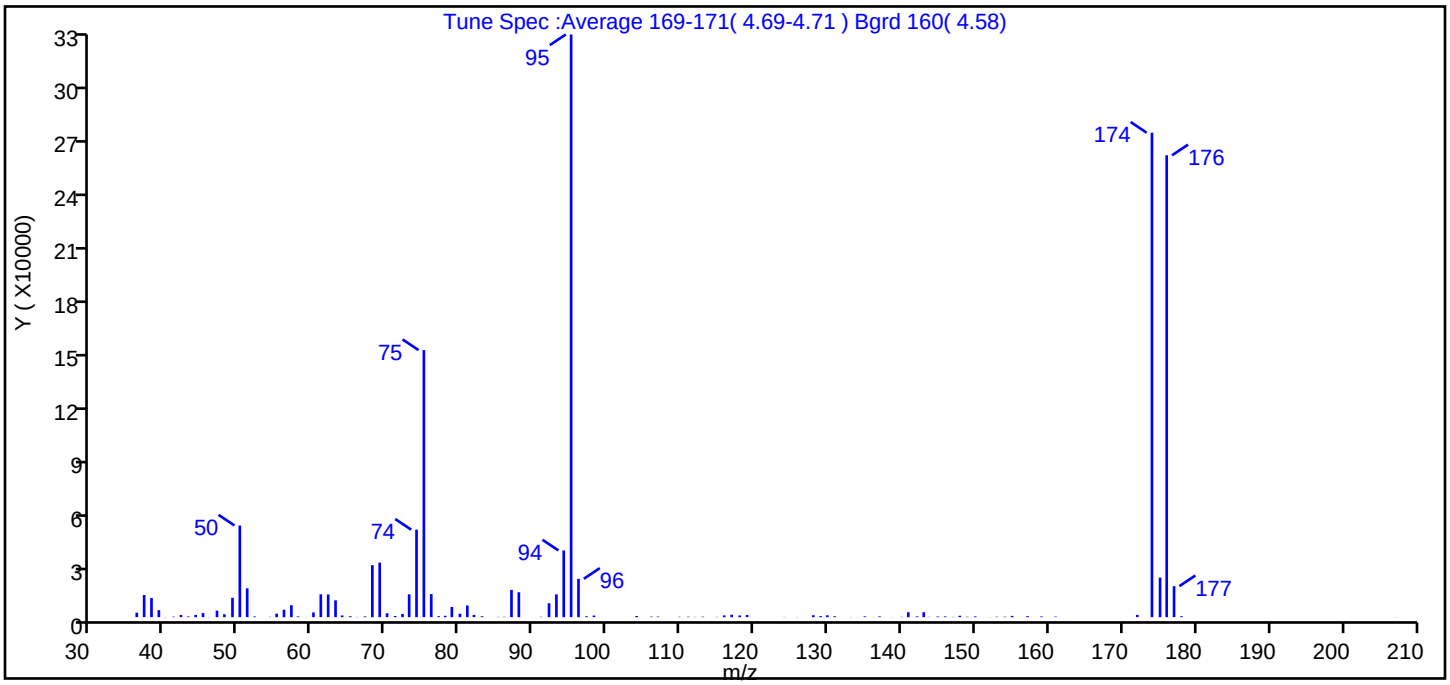
vmbfb_00025 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\bfb554.d
Injection Date: 25-Jun-2020 15:47:16 Instrument ID: A3UX19
Lims ID: BFB
Client ID:
Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_19 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.7
75	30 to 60% of m/z 95	45.8
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	83.1
175	5 to 9% of m/z 174	6.8 (8.2)
176	Greater than 95% but less than 101% of m/z 174	79.3 (95.3)
177	5 to 9% of m/z 176	5.3 (6.7)

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\bfb554.d\8260_19.rslt\spectra.d
Injection Date: 25-Jun-2020 15:47:16
Spectrum: Tune Spec :Average 169-171(4.69-4.71) Bgrd 160(4.58)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2470	64.00	937	94.00	36816	137.00	414
37.00	12223	65.00	504	95.00	321600	139.00	54
38.00	10554	66.00	118	96.00	21168	140.00	162
39.00	3878	67.00	416	97.00	499	141.00	2687
40.00	91	68.00	28696	98.00	882	142.00	436
41.00	264	69.00	30104	104.00	637	143.00	2706
42.00	1164	70.00	2148	106.00	274	144.00	143
43.00	374	71.00	633	107.00	333	145.00	363
44.00	1215	72.00	1765	110.00	208	146.00	420
45.00	2257	73.00	12577	111.00	263	147.00	148
46.00	87	74.00	48288	112.00	137	148.00	774
47.00	3559	75.00	147392	113.00	265	149.00	221
48.00	1571	76.00	12717	115.00	124	150.00	421
49.00	10704	77.00	528	116.00	960	152.00	67
50.00	50576	78.00	747	117.00	1340	153.00	227
51.00	15922	79.00	5600	118.00	924	154.00	261
52.00	393	80.00	1872	119.00	1170	155.00	687
54.00	153	81.00	6448	124.00	110	157.00	541
55.00	1944	82.00	1253	126.00	63	159.00	394
56.00	4090	83.00	498	128.00	1051	161.00	301
57.00	6578	85.00	158	129.00	575	172.00	1238
58.00	397	86.00	186	130.00	1012	174.00	267392
59.00	50	87.00	15050	131.00	484	175.00	21816
60.00	2585	88.00	13716	133.00	68	176.00	254912
61.00	12598	91.00	181	134.00	60	177.00	17112
62.00	12543	92.00	7680	135.00	421	178.00	506
63.00	9278	93.00	12558	136.00	51	207.00	67

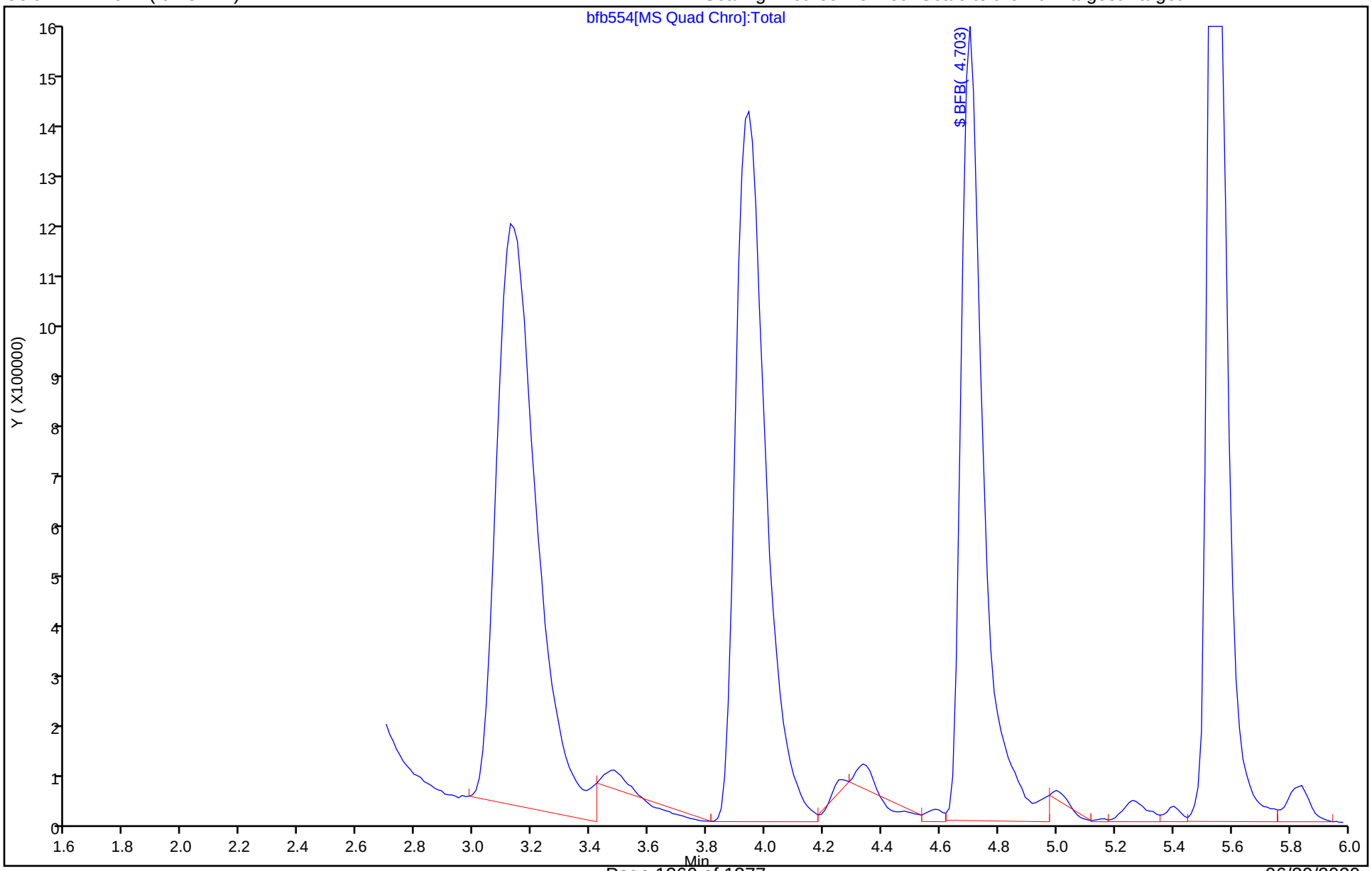
Report Date: 25-Jun-2020 16:01:12 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\bfb554.d

Injection Date:	25-Jun-2020 15:47:16	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\bfb555.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 26-Jun-2020 15:38:56 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0099563-001
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 15:50:31 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 15:50:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	4.691	4.691	0.000	0	1449845	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

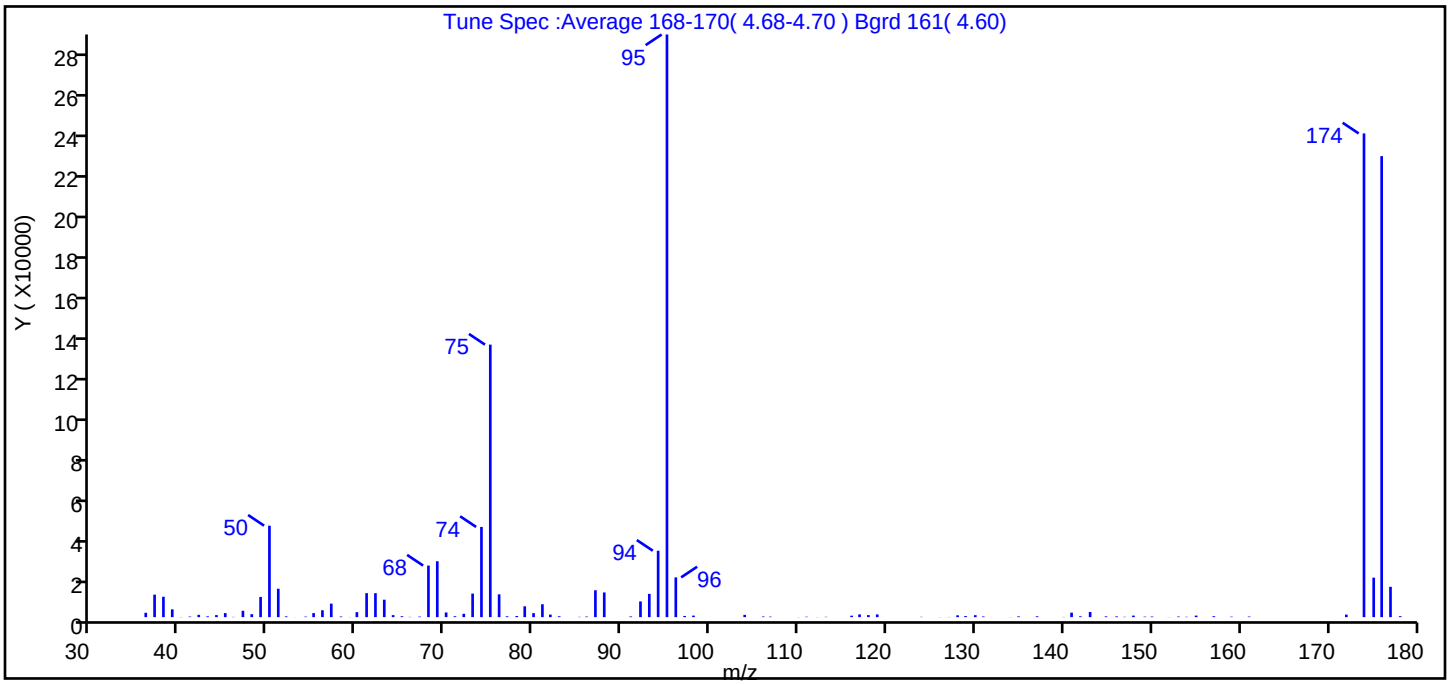
vmbfb_00025 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\bfb555.d
Injection Date: 26-Jun-2020 15:38:56 Instrument ID: A3UX19
Lims ID: BFB
Client ID:
Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_19 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.7
75	30 to 60% of m/z 95	46.8
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	83.0
175	5 to 9% of m/z 174	6.8 (8.2)
176	Greater than 95% but less than 101% of m/z 174	79.1 (95.3)
177	5 to 9% of m/z 176	5.2 (6.6)

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\bfb555.d\8260_19.rslt\spectra.d
Injection Date: 26-Jun-2020 15:38:56
Spectrum: Tune Spec :Average 168-170(4.68-4.70) Bgrd 161(4.60)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 105

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2103	63.00	8398	93.00	11219	137.00	407
37.00	10835	64.00	972	94.00	32008	140.00	92
38.00	9829	65.00	429	95.00	280768	141.00	2175
39.00	3769	66.00	126	96.00	19160	142.00	403
40.00	79	67.00	276	97.00	573	143.00	2491
41.00	279	68.00	24848	98.00	745	145.00	380
42.00	1102	69.00	26936	104.00	1103	146.00	360
43.00	384	70.00	2258	106.00	310	147.00	161
44.00	985	71.00	435	107.00	244	148.00	750
45.00	1948	72.00	1611	110.00	58	149.00	236
46.00	124	73.00	11360	111.00	210	150.00	302
47.00	3074	74.00	43464	112.00	62	152.00	60
48.00	1434	75.00	131328	113.00	156	153.00	291
49.00	9730	76.00	10974	115.00	2	154.00	166
50.00	44072	77.00	418	116.00	696	155.00	743
51.00	13693	78.00	539	117.00	1325	157.00	451
52.00	369	79.00	5216	118.00	1000	159.00	226
53.00	32	80.00	1927	119.00	1311	161.00	288
54.00	256	81.00	6214	124.00	144	172.00	1220
55.00	1957	82.00	1231	126.00	53	174.00	233088
56.00	3321	83.00	414	127.00	84	175.00	19024
57.00	6515	85.00	146	128.00	876	176.00	222144
58.00	311	86.00	283	129.00	514	177.00	14607
59.00	50	87.00	12957	130.00	944	178.00	453
60.00	2408	88.00	11900	131.00	320		
61.00	11564	91.00	342	134.00	54		
62.00	11555	92.00	7583	135.00	368		

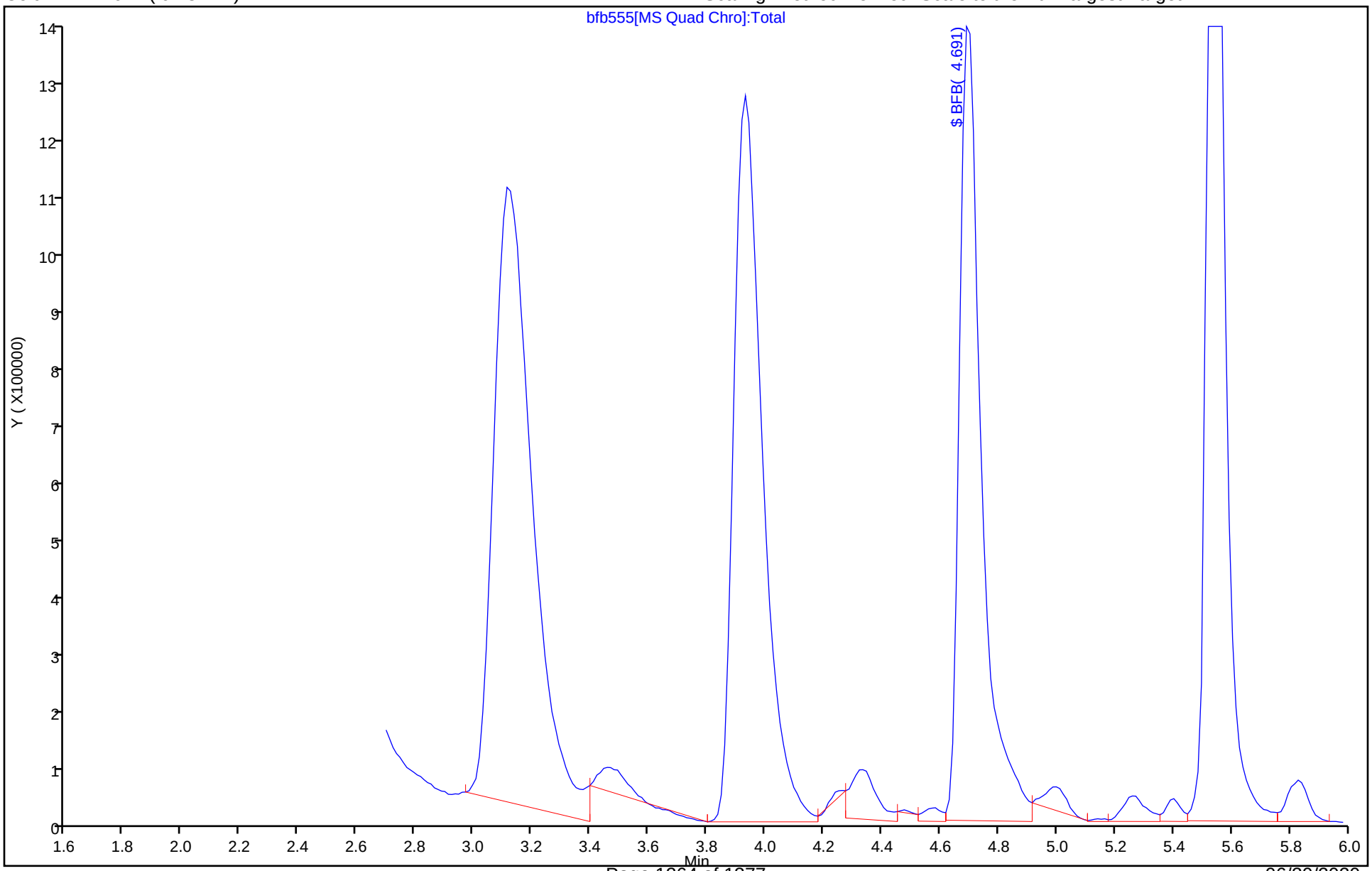
Report Date: 26-Jun-2020 15:50:31 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\bfb555.d

Injection Date:	26-Jun-2020 15:38:56	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440070/8

Matrix: Water Lab File ID: UXM29284.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440070/8

Matrix: Water Lab File ID: UXM29284.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440070/8

Matrix: Water Lab File ID: UXM29284.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		75-130
460-00-4	4-Bromofluorobenzene (Surr)	112		47-134
2037-26-5	Toluene-d8 (Surr)	106		69-122
1868-53-7	Dibromofluoromethane (Surr)	109		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440070/8

Matrix: Water Lab File ID: UXM29284.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 02:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

Number TICs Found: 1 TIC Result Total: 8.34

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.54	8.34	T J	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29284.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Jun-2020 02:29:30 ALS Bottle#: 43 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-008
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:00:07 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:00:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1100369	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	876180	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	457191	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	278202	20.0	21.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.597	-0.001	98	354482	20.0	22.8	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1173473	20.0	21.3	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	88	455453	20.0	22.5	
9 Dichlorodifluoromethane	85		1.719					ND	
10 Chloromethane	50		1.909					ND	
11 Vinyl chloride	62		2.027					ND	
12 Butadiene	54		2.063					ND	
13 Bromomethane	94		2.371					ND	
14 Chloroethane	64		2.490					ND	
123 Ethylene oxide	44	2.584	2.584	0.000	32	593		NC	
15 Dichlorofluoromethane	67		2.715					ND	
16 Trichlorofluoromethane	101		2.751					ND	
17 Ethyl ether	59		3.035					ND	
18 Acrolein	56		3.166					ND	
120 Propene oxide	58		3.203					ND	
19 1,1-Dichloroethene	96		3.260					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.272					ND	
21 Acetone	58		3.308					ND	
23 Iodomethane	142	3.414	3.415	-0.001	91	2867		0.1599	
24 Carbon disulfide	76		3.474					ND	
25 Acetonitrile	41		3.581					ND	
27 Methyl acetate	43		3.593					ND	
26 3-Chloro-1-propene	41		3.616					ND	
22 Methylal	45		3.629					ND	
28 Methylene Chloride	84	3.735	3.735	0.000	92	2284		0.1474	
29 2-Methyl-2-propanol	59		3.818					ND	
30 Acrylonitrile	53		3.948					ND	
31 Methyl tert-butyl ether	73		3.972					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 trans-1,2-Dichloroethene	96		3.984					ND	
33 Hexane	57		4.221					ND	
35 Vinyl acetate	43		4.363					ND	
34 1,1-Dichloroethane	63		4.375					ND	
36 Isopropyl ether	87		4.399					ND	
37 2-Chloro-1,3-butadiene	53		4.446					ND	
38 Tert-butyl ethyl ether	59		4.707					ND	
40 2-Butanone (MEK)	72		4.861					ND	
39 cis-1,2-Dichloroethene	96		4.873					ND	
43 Ethyl acetate	43		4.885					ND	
41 2,2-Dichloropropane	77		4.885					ND	
42 Propionitrile	54		4.921					ND	
44 Methacrylonitrile	41		5.051					ND	
46 Tetrahydrofuran	42	5.098	5.087	0.011	1	1020		0.2428	
45 Chlorobromomethane	128		5.087					ND	
47 Chloroform	83		5.158					ND	
48 1,1,1-Trichloroethane	97		5.312					ND	
49 Cyclohexane	56		5.371					ND	
51 Carbon tetrachloride	117		5.442					ND	
50 1,1-Dichloropropene	75		5.442					ND	
52 Isobutyl alcohol	41		5.502					ND	
54 Benzene	78		5.620					ND	
53 1,2-Dichloroethane	62		5.656					ND	
163 Isooctane	57		5.703					ND	
55 Tert-amyl methyl ether	73		5.715					ND	
56 n-Heptane	57		5.846					ND	
57 n-Butanol	56		6.071					ND	
58 Trichloroethene	130		6.178					ND	
59 Ethyl acrylate	55		6.225					ND	
60 Methylcyclohexane	83		6.391					ND	
61 1,2-Dichloropropane	63		6.403					ND	
62 Methyl methacrylate	41		6.427					ND	
64 1,4-Dioxane	88		6.462					ND	
63 Dibromomethane	93		6.486					ND	
65 Dichlorobromomethane	83		6.628					ND	
66 2-Nitropropane	41		6.818					ND	
67 2-Chloroethyl vinyl ether	63		6.865					ND	
121 Epichlorohydrin	57		6.948					ND	
68 cis-1,3-Dichloropropene	75		7.008					ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.126					ND	
70 Toluene	91		7.316					ND	
71 trans-1,3-Dichloropropene	75		7.518					ND	
72 Ethyl methacrylate	69		7.541					ND	
73 1,1,2-Trichloroethane	97		7.696					ND	
75 Tetrachloroethene	164		7.790					ND	
74 1,3-Dichloropropane	76		7.850					ND	
76 2-Hexanone	43		7.885					ND	
77 n-Butyl acetate	43		7.968					ND	
79 Tetrahydrothiophene	60		8.021					ND	
78 Chlorodibromomethane	129		8.051					ND	
80 Ethylene Dibromide	107		8.170					ND	
81 1-Chlorohexane	91		8.585					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
82 Chlorobenzene	112		8.621					ND	
84 Ethylbenzene	106		8.704					ND	
83 1,1,1,2-Tetrachloroethane	131		8.704					ND	
85 m-Xylene & p-Xylene	106		8.822					ND	
86 o-Xylene	106		9.202					ND	
87 Styrene	104		9.213					ND	
88 Bromoform	173		9.403					ND	
89 Isopropylbenzene	105		9.545					ND	
90 1,4-Dichlorobutane	55		9.628					ND	
91 Cyclohexanone	55		9.652					ND	U
92 1,1,2,2-Tetrachloroethane	83		9.842					ND	
93 Bromobenzene	156		9.866					ND	
94 trans-1,4-Dichloro-2-butene	53		9.878					ND	
95 1,2,3-Trichloropropane	110		9.913					ND	
96 N-Propylbenzene	120		9.949					ND	
97 2-Chlorotoluene	126		10.055					ND	
99 1,3,5-Trimethylbenzene	105		10.127					ND	
100 4-Chlorotoluene	126		10.174					ND	
98 3-Ethyltoluene	105		10.411					ND	
101 2-Ethyltoluene	105		10.411					ND	
102 tert-Butylbenzene	119		10.447					ND	
103 Pentachloroethane	167		10.482					ND	
104 1,2,4-Trimethylbenzene	105		10.506					ND	
105 sec-Butylbenzene	105		10.660					ND	
106 1,3-Dichlorobenzene	146		10.791					ND	
107 4-Isopropyltoluene	119		10.814					ND	
108 1,4-Dichlorobenzene	146		10.885					ND	
109 1,2,3-Trimethylbenzene	105		10.909					ND	
110 Benzyl chloride	126		11.004					ND	
111 n-Butylbenzene	91		11.218					ND	
112 1,2-Dichlorobenzene	146		11.253					ND	
113 1,2-Dibromo-3-Chloropropane	157		12.036					ND	
114 1,3,5-Trichlorobenzene	180		12.225					ND	
115 1,2,4-Trichlorobenzene	180		12.866					ND	
116 Hexachlorobutadiene	225		13.008					ND	
117 Naphthalene	128		13.150					ND	
118 1,2,3-Trichlorobenzene	180		13.399					ND	
119 2-Methylnaphthalene	142		14.597					ND	
162 1-Methylnaphthalene	142		14.858					ND	
126 Butyl Methacrylate TIC	1		0.520					ND	
S 134 Trihalomethanes, Total	1		0.520					ND	
S 158 Total BTEX	1		0.520					ND	
S 131 1,2-Dichloroethene, Total	96		1.660					ND	
S 132 1,3-Dichloropropene, Total	75		7.280					ND	
S 133 Xylenes, Total	106		17.050					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags
U - Marked Undetected

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Canton
Tentatively Identified Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29284.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	26-Jun-2020 02:29:30	ALS Bottle#:	43	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0099515-008				
Operator ID:	001765	Instrument ID:	A3UX16		
Method:	\\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	26-Jun-2020 08:00:07	Calib Date:	24-Jun-2020 12:17:30		
Tic RT Window:	1.400 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\chromfs\Canton\Database\NIST98.L				
Min. Match:	50				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1055				
First Level Reviewer: bosworthh		Date:	26-Jun-2020 08:00:07		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
Unknown								
1.541	930503	8.34	1					

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 1 Fluorobenzene	5.869	2230606	20.0

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

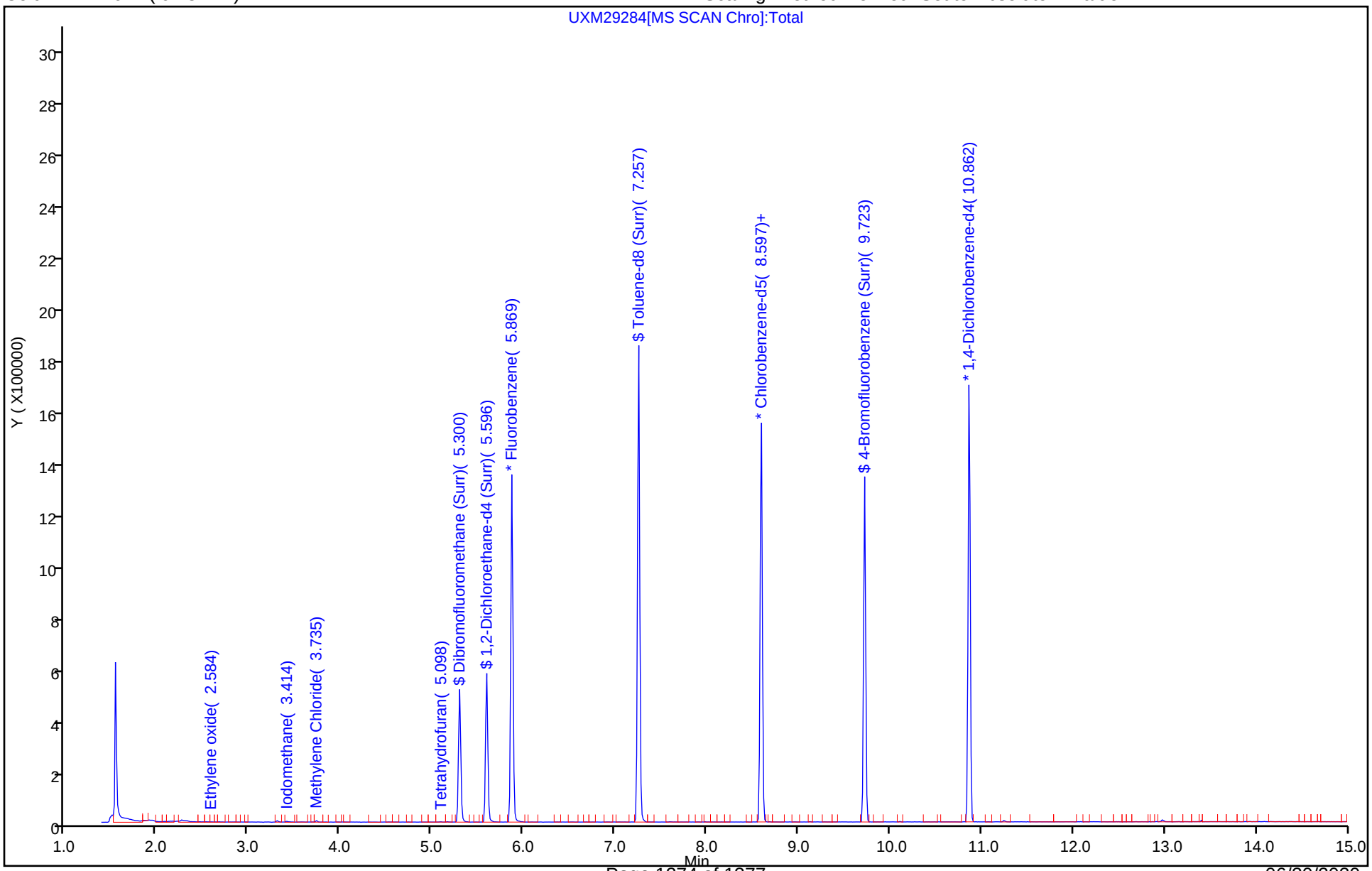
Report Date: 26-Jun-2020 08:00:08 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29284.D

Injection Date:	26-Jun-2020 02:29:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	43
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29284.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Jun-2020 02:29:30 ALS Bottle#: 43 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-008
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 08:00:07 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 08:00:07

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.8	108.91
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.8	113.99
$ 6 Toluene-d8 (Surr)	20.0	21.3	106.47
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.5	112.40

Report Date: 26-Jun-2020 08:00:08 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29284.D

Injection Date: 26-Jun-2020 02:29:30 Instrument ID: A3UX16

Lims ID: MB

Client ID:

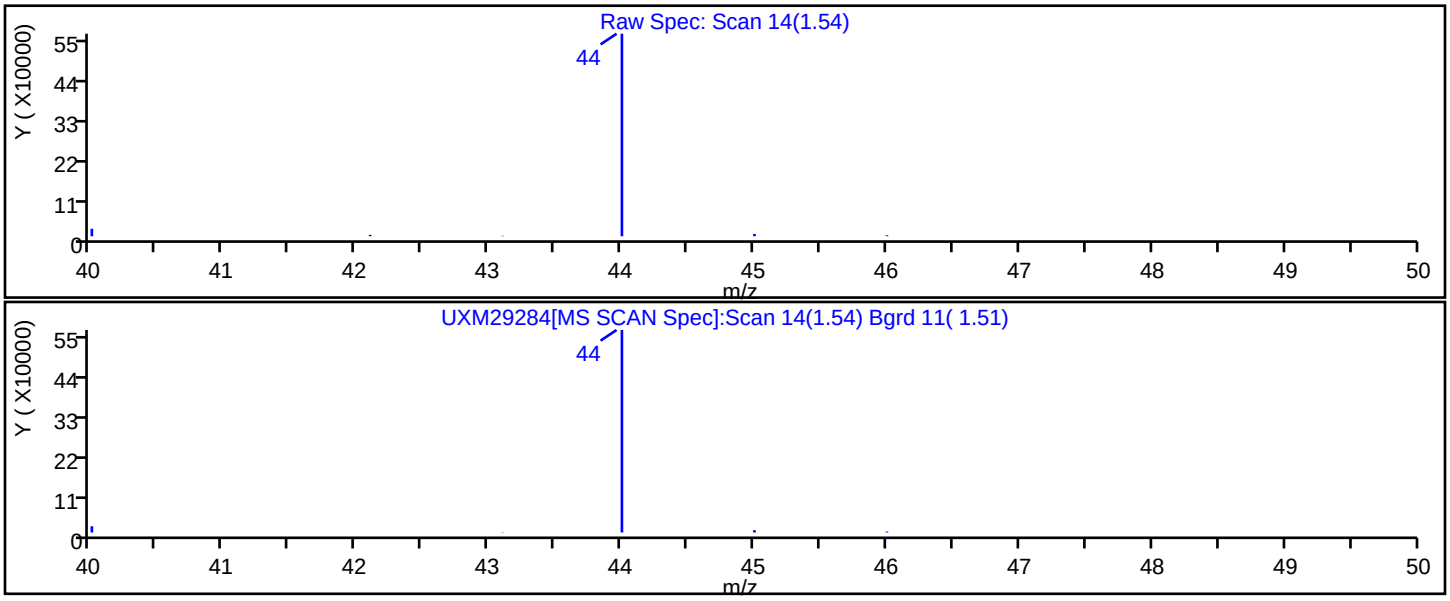
Operator ID: 001765 ALS Bottle#: 43 Worklist Smp#: 8

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260_16 Limit Group: MSV 8260C ICAL

Column: Detector MS SCAN

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440074/8

Matrix: Water Lab File ID: U1278706.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:06

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440074/8

Matrix: Water Lab File ID: U1278706.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:06

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440074/8

Matrix: Water Lab File ID: U1278706.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:06

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.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		75-130
460-00-4	4-Bromofluorobenzene (Surr)	92		47-134
2037-26-5	Toluene-d8 (Surr)	96		69-122
1868-53-7	Dibromofluoromethane (Surr)	96		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440074/8

Matrix: Water Lab File ID: U1278706.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:06

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.: 440074 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, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278706.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 25-Jun-2020 18:06:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-008
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jun-2020 16:24:26 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: laveyt Date: 25-Jun-2020 19:06:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1066464	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.758	7.746	0.012	87	698507	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.970	9.970	0.000	95	391146	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.539	0.000	93	273397	20.0	19.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.823	0.000	95	339911	20.0	21.3	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	93	954179	20.0	19.3	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.846	0.012	96	336352	20.0	18.5	
9 Dichlorodifluoromethane	85		1.403					ND	
10 Chloromethane	50		1.616					ND	
11 Butadiene	54		1.652					ND	
12 Vinyl chloride	62		1.699					ND	
13 1-Chloro-1-fluoroethane TIC	47		1.900					ND	
14 Bromomethane	94		1.948					ND	
15 Chloroethane	64		2.007					ND	
16 Dichlorofluoromethane	67		2.196					ND	
17 Trichlorofluoromethane	101		2.255					ND	
18 Methylal	45		2.346					ND	
19 Ethyl ether	59		2.433					ND	
20 Acrolein	56		2.563					ND	
21 1,1-Dichloroethene	61		2.634					ND	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.670					ND	
23 Acetone	43	2.693	2.693	0.000	100	22088		0.7423	
24 Iodomethane	142		2.812					ND	
25 Carbon disulfide	76		2.859					ND	
26 Acetonitrile	41		2.942					ND	
27 3-Chloro-1-propene	41		2.954					ND	
28 Methyl acetate	43		2.977					ND	
29 Methylene Chloride	49		3.060					ND	
30 2-Methyl-2-propanol	59		3.178					ND	
31 Acrylonitrile	53	3.273	3.273	0.000	89	1747		0.1809	
32 trans-1,2-Dichloroethene	61		3.285					ND	
33 Methyl tert-butyl ether	73		3.297					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Hexane	57		3.510					ND	
35 1,1-Dichloroethane	63		3.652					ND	
36 Vinyl acetate	43		3.687					ND	
37 Isopropyl ether	87		3.699					ND	
38 2-Chloro-1,3-butadiene	53		3.723					ND	
39 Tert-butyl ethyl ether	59		4.007					ND	
41 cis-1,2-Dichloroethene	96		4.137					ND	
40 2,2-Dichloropropane	77		4.137					ND	
42 2-Butanone (MEK)	72		4.149					ND	
43 Ethyl acetate	43		4.196					ND	
44 Propionitrile	54		4.208					ND	
45 Methacrylonitrile	41		4.326					ND	
46 Chlorobromomethane	49		4.338					ND	
47 Tetrahydrofuran	42		4.374					ND	
48 Chloroform	83		4.397					ND	
49 1,1,1-Trichloroethane	97		4.551					ND	
50 Cyclohexane	84		4.598					ND	
51 1,1-Dichloropropene	75		4.693					ND	
52 Carbon tetrachloride	117		4.693					ND	
53 Isobutyl alcohol	41		4.788					ND	
54 Benzene	78		4.870					ND	
55 1,2-Dichloroethane	62		4.882					ND	
56 Tert-amyl methyl ether	73		4.953					ND	
57 n-Heptane	57		5.072					ND	
58 n-Butanol	56		5.344					ND	
59 Trichloroethene	130		5.403					ND	
60 Ethyl acrylate	55		5.486					ND	
61 Methylcyclohexane	83		5.569					ND	
62 1,2-Dichloropropane	63		5.604					ND	
63 Methyl methacrylate	41		5.687					ND	
64 Dibromomethane	174		5.699					ND	
65 1,4-Dioxane	88		5.711					ND	
66 Dichlorobromomethane	83		5.829					ND	
67 2-Nitropropane	41		6.030					ND	
68 2-Chloroethyl vinyl ether	63		6.089					ND	
69 cis-1,3-Dichloropropene	75		6.219					ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.350					ND	
71 Toluene	91		6.503					ND	
72 trans-1,3-Dichloropropene	75		6.705					ND	
73 Tetrahydrothiophene	60		6.745					ND	
74 Ethyl methacrylate	69		6.776					ND	
75 1,1,2-Trichloroethane	97		6.870					ND	
76 Tetrachloroethene	166		7.000					ND	
77 1,3-Dichloropropane	76		7.024					ND	
78 2-Hexanone	43		7.083					ND	
79 n-Butyl acetate	43		7.202					ND	
80 Chlorodibromomethane	129		7.225					ND	
81 Ethylene Dibromide	107		7.332					ND	
82 1-Chlorohexane	91		7.746					ND	
83 Chlorobenzene	112		7.781					ND	
84 1,1,1,2-Tetrachloroethane	131		7.852					ND	
85 Ethylbenzene	106		7.876					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 m-Xylene & p-Xylene	106		7.983					ND	
87 o-Xylene	106		8.361					ND	
88 Styrene	104		8.373					ND	
89 Bromoform	173		8.551					ND	
90 Isopropylbenzene	105		8.704					ND	
91 Cyclohexanone	55		8.799					ND	
92 Bromobenzene	156		9.000					ND	
93 1,1,2,2-Tetrachloroethane	83		9.000					ND	
94 1,2,3-Trichloropropane	110		9.036					ND	
95 trans-1,4-Dichloro-2-butene	53		9.048					ND	
96 N-Propylbenzene	120		9.095					ND	
97 2-Chlorotoluene	126		9.190					ND	
98 1,3,5-Trimethylbenzene	105		9.272					ND	
99 4-Chlorotoluene	126		9.284					ND	
100 3-Ethyltoluene	105		9.324					ND	
101 2-Ethyltoluene	105		9.513					ND	
102 tert-Butylbenzene	119		9.580					ND	
103 Pentachloroethane	167		9.604					ND	
104 1,2,4-Trimethylbenzene	105		9.627					ND	
105 sec-Butylbenzene	105		9.793					ND	
106 1,3-Dichlorobenzene	146		9.911					ND	
107 4-Isopropyltoluene	119		9.935					ND	
108 1,4-Dichlorobenzene	146		9.994					ND	
109 1,2,3-Trimethylbenzene	105		10.041					ND	
110 Benzyl chloride	91		10.136					ND	
111 n-Butylbenzene	91		10.337					ND	
112 1,2-Dichlorobenzene	146		10.361					ND	
113 1,2-Dibromo-3-Chloropropane	157		11.130					ND	
114 1,3,5-Trichlorobenzene	180		11.331					ND	
115 1,2,4-Trichlorobenzene	180	11.946	11.947	-0.001	82	2626		0.1162	
116 Hexachlorobutadiene	225	12.124	12.124	0.000	1	1840		0.1843	
117 Naphthalene	128		12.195					ND	
118 1,2,3-Trichlorobenzene	180	12.432	12.432	0.000	81	2425		0.1159	
119 2-Methylnaphthalene	142		13.366					ND	
121 Ethylene oxide	1		-0.510					ND	
120 1,4-Dichlorobutane	1		-0.510					ND	
123 Epichlorohydrin	1		-0.510					ND	
122 Propene oxide	1		-0.510					ND	
S 124 Trihalomethanes, Total	1		-0.510					ND	
S 125 Total BTEX	1		-0.510					ND	
S 126 1,2-Dichloroethene, Total	96		0.630					ND	
S 127 1,3-Dichloropropene, Total	75		6.250					ND	
S 128 Xylenes, Total	106		16.020					ND	

Reagents:

vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent

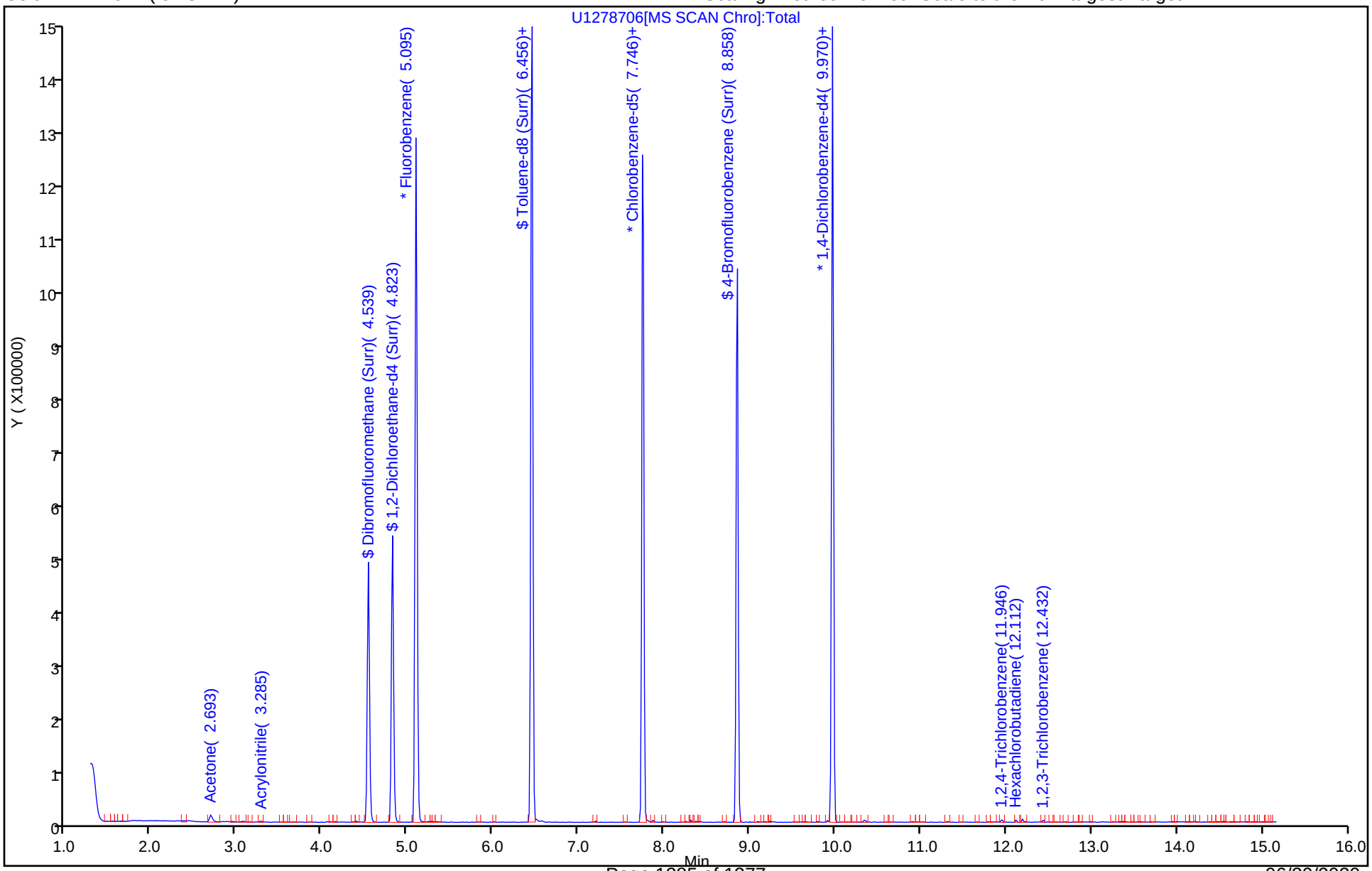
Report Date: 25-Jun-2020 19:06:03 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278706.D

Injection Date:	25-Jun-2020 18:06:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278706.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 25-Jun-2020 18:06:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-008
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jun-2020 16:24:26 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: laveyt Date: 25-Jun-2020 19:06:03

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.3	96.38
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.3	106.68
$ 6 Toluene-d8 (Surr)	20.0	19.3	96.42
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.5	92.26

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440080/8

Matrix: Water Lab File ID: U1915177.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:02

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroeth ane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440080/8

Matrix: Water Lab File ID: U1915177.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:02

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440080/8

Matrix: Water Lab File ID: U1915177.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:02

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
460-00-4	4-Bromofluorobenzene (Surr)	96		47-134
2037-26-5	Toluene-d8 (Surr)	102		69-122
1868-53-7	Dibromofluoromethane (Surr)	98		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440080/8

Matrix: Water Lab File ID: U1915177.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 18:02

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.: 440080 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, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915177.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 25-Jun-2020 18:02:54 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-008
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jun-2020 16:42:23 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: laveyt Date: 25-Jun-2020 19:04:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.666	5.665	0.001	99	1081256	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	85	766825	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.895	-0.012	96	389039	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.061	5.061	0.000	94	285342	20.0	19.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	96	315456	20.0	18.9	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	92	939422	20.0	20.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.685	0.001	91	330869	20.0	19.1	
9 Dichlorodifluoromethane	85		1.622					ND	
10 Chloromethane	50		1.835					ND	
11 Butadiene	54		1.918					ND	
12 Vinyl chloride	62		1.942					ND	
14 1-Chloro-1-fluoroethane TIC	47		2.215					ND	
13 Bromomethane	94		2.238					ND	
15 Chloroethane	64		2.321					ND	
16 Dichlorofluoromethane	67		2.523					ND	
17 Trichlorofluoromethane	101		2.582					ND	
18 Ethyl ether	59		2.819					ND	
19 Acrolein	56	2.950	2.938	0.012	37	507		0.2109	
20 1,1-Dichloroethene	61		3.045					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.068					ND	
22 Acetone	43	3.080	3.080	0.000	98	14435		3.41	
23 Methylal	45		3.092					ND	
24 Iodomethane	142		3.211					ND	
25 Carbon disulfide	76		3.270					ND	
26 Acetonitrile	41	3.365	3.341	0.024	47	1473		3.69	
27 3-Chloro-1-propene	41		3.377					ND	
28 Methyl acetate	43		3.388					ND	
29 Methylene Chloride	49	3.484	3.495	-0.011	81	2213		0.1438	
30 2-Methyl-2-propanol	59		3.590					ND	
31 Acrylonitrile	53	3.709	3.709	0.000	58	1208		0.2222	
32 trans-1,2-Dichloroethene	61		3.744					ND	
33 Methyl tert-butyl ether	73		3.744					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Hexane	57		3.993					ND	
35 1,1-Dichloroethane	63		4.124					ND	
36 Vinyl acetate	43		4.159					ND	
37 Isopropyl ether	87		4.183					ND	
38 2-Chloro-1,3-butadiene	53		4.195					ND	
39 Tert-butyl ethyl ether	59		4.503					ND	
41 cis-1,2-Dichloroethene	96		4.634					ND	
42 2,2-Dichloropropane	77		4.645					ND	
40 2-Butanone (MEK)	72	4.646	4.645	0.001	62	275		0.1077	
43 Propionitrile	54		4.681					ND	
44 Ethyl acetate	43		4.681					ND	
45 Methacrylonitrile	41		4.824					ND	
46 Chlorobromomethane	49		4.847					ND	
47 Tetrahydrofuran	42		4.895					ND	
48 Chloroform	83		4.918					ND	
49 1,1,1-Trichloroethane	97		5.096					ND	
50 Cyclohexane	84		5.155					ND	
51 1,1-Dichloropropene	75		5.238					ND	
52 Carbon tetrachloride	117		5.250					ND	
53 Isobutyl alcohol	41		5.298					ND	
54 Benzene	78		5.416					ND	
55 1,2-Dichloroethane	62		5.428					ND	
56 Tert-amyl methyl ether	73		5.511					ND	
57 n-Heptane	57		5.653					ND	
58 n-Butanol	56		5.891					ND	
59 Trichloroethene	130		5.997					ND	
60 Ethyl acrylate	55		6.069					ND	
61 Methylcyclohexane	83		6.175					ND	
62 1,2-Dichloropropane	63		6.199					ND	
63 Methyl methacrylate	41		6.282					ND	
64 Dibromomethane	174		6.306					ND	
65 1,4-Dioxane	88		6.306					ND	
66 Dichlorobromomethane	83		6.436					ND	
67 2-Nitropropane	41		6.638					ND	
68 2-Chloroethyl vinyl ether	63		6.709					ND	
69 cis-1,3-Dichloropropene	75		6.851					ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.982					ND	
71 Toluene	91		7.171					ND	
72 trans-1,3-Dichloropropene	75		7.361					ND	
73 Ethyl methacrylate	69		7.444					ND	
74 1,1,2-Trichloroethane	97		7.539					ND	
75 Tetrachloroethene	166		7.705					ND	
76 1,3-Dichloropropane	76		7.705					ND	
77 2-Hexanone	43		7.776					ND	
78 n-Butyl acetate	43		7.895					ND	
79 Chlorodibromomethane	129		7.930					ND	
80 Tetrahydrothiophene	60		7.931					ND	
81 Ethylene Dibromide	107		8.049					ND	
82 1-Chlorohexane	91		8.500					ND	
83 Chlorobenzene	112		8.535					ND	
84 1,1,1,2-Tetrachloroethane	131		8.606					ND	
85 Ethylbenzene	106		8.642					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 m-Xylene & p-Xylene	106		8.749					ND	
87 o-Xylene	106		9.152					ND	
88 Styrene	104		9.164					ND	
89 Bromoform	173		9.353					ND	
90 Isopropylbenzene	105		9.531					ND	
91 Cyclohexanone	55		9.626					ND	
92 1,4-Dichlorobutane	55		9.626					ND	
93 1,1,2,2-Tetrachloroethane	83		9.816					ND	
95 Bromobenzene	156		9.851					ND	
97 trans-1,4-Dichloro-2-butene	53		9.875					ND	
96 1,2,3-Trichloropropane	110		9.875					ND	
98 N-Propylbenzene	120		9.946					ND	
100 2-Chlorotoluene	126		10.041					ND	
94 3-Ethyltoluene	105		10.041					ND	
101 1,3,5-Trimethylbenzene	105		10.136					ND	
102 4-Chlorotoluene	126		10.160					ND	
99 2-Ethyltoluene	105		10.350					ND	
103 tert-Butylbenzene	119		10.480					ND	
104 Pentachloroethane	167		10.492					ND	
105 1,2,4-Trimethylbenzene	105		10.527					ND	
106 sec-Butylbenzene	105		10.705					ND	
107 1,3-Dichlorobenzene	146		10.824					ND	
108 4-Isopropyltoluene	119		10.859					ND	
109 1,4-Dichlorobenzene	146		10.919					ND	
110 1,2,3-Trimethylbenzene	105		10.966					ND	
111 Benzyl chloride	91		11.049					ND	
112 n-Butylbenzene	91		11.286					ND	
113 1,2-Dichlorobenzene	146		11.310					ND	
114 1,2-Dibromo-3-Chloropropane	157		12.128					ND	
115 1,3,5-Trichlorobenzene	180		12.366					ND	
116 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	86	1789		0.1076	
117 Hexachlorobutadiene	225		13.207					ND	
118 Naphthalene	128		13.279					ND	
119 1,2,3-Trichlorobenzene	180		13.539					ND	
120 2-Methylnaphthalene	142	14.631	14.631	0.000	92	3576		0.1283	
122 Ethylene oxide	1		-0.010					ND	
123 Propene oxide	1		-0.010					ND	
121 Epichlorohydrin	1		-0.010					ND	
S 125 Trihalomethanes, Total	1		-0.010					ND	
S 124 Total BTEX	1		-0.010					ND	
S 126 1,2-Dichloroethene, Total	96		1.130					ND	
S 127 1,3-Dichloropropene, Total	75		6.750					ND	
S 128 Xylenes, Total	106		16.520					ND	

Reagents:

vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

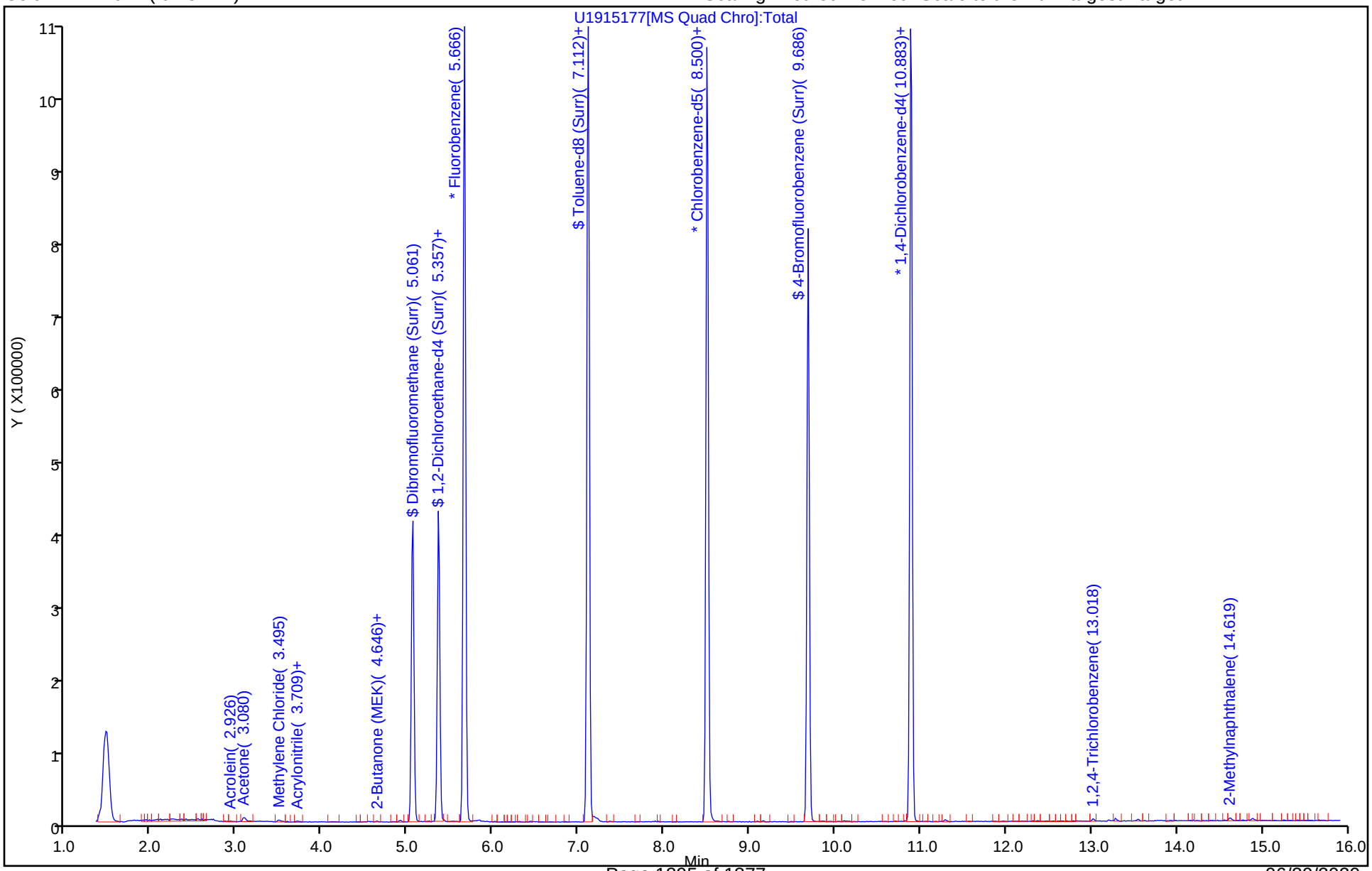
Report Date: 25-Jun-2020 19:04:02 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915177.d

Injection Date:	25-Jun-2020 18:02:54	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915177.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 25-Jun-2020 18:02:54 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-008
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jun-2020 16:42:23 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: laveyt Date: 25-Jun-2020 19:04:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.6	98.03
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.9	94.36
$ 6 Toluene-d8 (Surr)	20.0	20.4	102.15
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.1	95.61

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440294/8

Matrix: Water Lab File ID: U1915207.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 17:54

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.14	U	1.0	0.14
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.13	U	1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
563-58-6	1,1-Dichloropropene	0.14	U	1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
96-18-4	1,2,3-Trichloropropane	0.24	U	1.0	0.24
526-73-8	1,2,3-Trimethylbenzene	0.14	U	5.0	0.14
120-82-1	1,2,4-Trichlorobenzene	0.26	U	1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	0.070	U	1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	5.0	0.91
95-50-1	1,2-Dichlorobenzene	0.15	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.21	U	1.0	0.21
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
541-73-1	1,3-Dichlorobenzene	0.15	U	1.0	0.15
142-28-9	1,3-Dichloropropane	0.21	U	1.0	0.21
106-46-7	1,4-Dichlorobenzene	0.16	U	1.0	0.16
594-20-7	2,2-Dichloropropane	0.31	U	1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	0.26	U	10	0.26
95-49-8	2-Chlorotoluene	0.15	U	1.0	0.15
591-78-6	2-Hexanone	0.54	U	5.0	0.54
108-86-1	Bromobenzene	0.12	U	1.0	0.12
74-97-5	Bromochloromethane	0.14	U	1.0	0.14
106-43-4	4-Chlorotoluene	0.090	U	1.0	0.090
99-87-6	p-Isopropyltoluene	0.13	U	1.0	0.13
67-64-1	Acetone	5.4	U	5.0	5.4
71-43-2	Benzene	0.13	U	1.0	0.13
75-25-2	Bromoform	0.76	U	1.0	0.76
74-83-9	Bromomethane	0.42	U	1.0	0.42
75-15-0	Carbon disulfide	0.28	U	1.0	0.28
56-23-5	Carbon tetrachloride	0.26	U	1.0	0.26
108-90-7	Chlorobenzene	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.83	U	1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440294/8

Matrix: Water Lab File ID: U1915207.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 17:54

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.13	U	1.0	0.13
74-87-3	Chloromethane	0.20	U	1.0	0.20
156-59-2	cis-1,2-Dichloroethene	0.16	U	1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1.0	0.61
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
74-95-3	Dibromomethane	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.17	U	1.0	0.17
75-71-8	Dichlorodifluoromethane	0.35	U	1.0	0.35
100-41-4	Ethylbenzene	0.11	U	1.0	0.11
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12
108-20-3	Diisopropyl ether	0.17	U	5.0	0.17
91-20-3	Naphthalene	0.32	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.080	U	2.0	0.080
104-51-8	n-Butylbenzene	0.14	U	1.0	0.14
98-82-8	Isopropylbenzene	0.090	U	1.0	0.090
103-65-1	n-Propylbenzene	0.15	U	1.0	0.15
78-93-3	2-Butanone	1.2	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone	0.42	U	5.0	0.42
135-98-8	sec-Butylbenzene	0.13	U	1.0	0.13
1634-04-4	Methyl tert-butyl ether	0.070	U	1.0	0.070
994-05-8	Tert-amyl-methyl ether (TAME)	0.11	U	5.0	0.11
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
95-47-6	o-Xylene	0.090	U	1.0	0.090
100-42-5	Styrene	0.10	U	1.0	0.10
637-92-3	Ethyl-t-butyl ether (ETBE)	0.15	U	5.0	0.15
98-06-6	tert-Butylbenzene	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.15	U	1.0	0.15
108-88-3	Toluene	0.14	U	1.0	0.14
156-60-5	trans-1,2-Dichloroethene	0.19	U	1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
79-01-6	Trichloroethene	0.10	U	1.0	0.10
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
108-05-4	Vinyl acetate	0.19	U	2.0	0.19
75-01-4	Vinyl chloride	0.20	U	0.50	0.20
75-65-0	tert-Butyl alcohol	1.7	U	20	1.7
1330-20-7	Xylenes, Total	0.15	U	2.0	0.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440294/8

Matrix: Water Lab File ID: U1915207.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 17:54

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.39	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
460-00-4	4-Bromofluorobenzene (Surr)	94		47-134
2037-26-5	Toluene-d8 (Surr)	103		69-122
1868-53-7	Dibromofluoromethane (Surr)	99		78-129

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-440294/8

Matrix: Water Lab File ID: U1915207.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 17:54

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.: 440294 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, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\U1915207.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Jun-2020 17:54:25 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099563-008
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 16:35:08 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 18:46:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.666	5.665	0.001	99	1091231	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	85	782355	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.895	10.883	0.012	94	385996	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.061	5.049	0.012	94	289617	20.0	19.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	95	316778	20.0	18.8	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	92	968478	20.0	20.6	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.686	0.000	91	332656	20.0	18.8	
9 Dichlorodifluoromethane	85		1.610					ND	
10 Chloromethane	50		1.823					ND	
11 Butadiene	54		1.906					ND	
12 Vinyl chloride	62		1.930					ND	
14 1-Chloro-1-fluoroethane TIC	47		2.215					ND	
13 Bromomethane	94		2.226					ND	
15 Chloroethane	64		2.309					ND	
16 Dichlorofluoromethane	67		2.511					ND	
17 Trichlorofluoromethane	101		2.570					ND	
18 Ethyl ether	59		2.819					ND	
19 Acrolein	56		2.938					ND	
20 1,1-Dichloroethene	61		3.045					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.057					ND	
22 Acetone	43	3.080	3.080	0.000	98	12009		2.81	
23 Methylal	45		3.092					ND	
24 Iodomethane	142		3.199					ND	
25 Carbon disulfide	76		3.270					ND	
26 Acetonitrile	41		3.330					ND	
27 3-Chloro-1-propene	41		3.365					ND	
28 Methyl acetate	43		3.389					ND	
29 Methylene Chloride	49	3.484	3.483	0.001	56	1765		0.1136	
30 2-Methyl-2-propanol	59		3.578					ND	
31 Acrylonitrile	53	3.697	3.697	0.000	69	1022		0.1863	
32 trans-1,2-Dichloroethene	61		3.732					ND	
33 Methyl tert-butyl ether	73		3.744					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Hexane	57		3.982					ND	
35 1,1-Dichloroethane	63		4.112					ND	
36 Vinyl acetate	43		4.148					ND	
37 Isopropyl ether	87		4.171					ND	
38 2-Chloro-1,3-butadiene	53		4.195					ND	
39 Tert-butyl ethyl ether	59		4.492					ND	
41 cis-1,2-Dichloroethene	96		4.634					ND	
42 2,2-Dichloropropane	77		4.634					ND	
40 2-Butanone (MEK)	72		4.634					ND	
43 Propionitrile	54		4.681					ND	
44 Ethyl acetate	43		4.681					ND	
45 Methacrylonitrile	41		4.824					ND	
46 Chlorobromomethane	49		4.847					ND	
47 Tetrahydrofuran	42		4.883					ND	
48 Chloroform	83		4.906					ND	
49 1,1,1-Trichloroethane	97		5.084					ND	
50 Cyclohexane	84		5.144					ND	
51 1,1-Dichloropropene	75		5.227					ND	
52 Carbon tetrachloride	117		5.239					ND	
53 Isobutyl alcohol	41		5.298					ND	
54 Benzene	78		5.416					ND	
55 1,2-Dichloroethane	62		5.428					ND	
56 Tert-amyl methyl ether	73		5.511					ND	
57 n-Heptane	57		5.642					ND	
58 n-Butanol	56		5.891					ND	
59 Trichloroethene	130		5.997					ND	
60 Ethyl acrylate	55		6.069					ND	
61 Methylcyclohexane	83		6.175					ND	
62 1,2-Dichloropropane	63		6.187					ND	
63 Methyl methacrylate	41		6.270					ND	
65 1,4-Dioxane	88		6.306					ND	
64 Dibromomethane	174		6.306					ND	
66 Dichlorobromomethane	83		6.436					ND	
67 2-Nitropropane	41		6.638					ND	
68 2-Chloroethyl vinyl ether	63		6.697					ND	
69 cis-1,3-Dichloropropene	75		6.851					ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.982					ND	
71 Toluene	91		7.171					ND	
72 trans-1,3-Dichloropropene	75		7.361					ND	
73 Ethyl methacrylate	69		7.444					ND	
74 1,1,2-Trichloroethane	97		7.539					ND	
76 1,3-Dichloropropane	76		7.705					ND	
75 Tetrachloroethene	166		7.705					ND	
77 2-Hexanone	43		7.776					ND	
78 n-Butyl acetate	43		7.895					ND	
79 Chlorodibromomethane	129		7.930					ND	
80 Tetrahydrothiophene	60		7.931					ND	
81 Ethylene Dibromide	107		8.049					ND	
82 1-Chlorohexane	91		8.500					ND	
83 Chlorobenzene	112		8.535					ND	
84 1,1,1,2-Tetrachloroethane	131		8.606					ND	
85 Ethylbenzene	106		8.630					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 m-Xylene & p-Xylene	106		8.749					ND	
87 o-Xylene	106		9.152					ND	
88 Styrene	104		9.164					ND	
89 Bromoform	173		9.353					ND	
90 Isopropylbenzene	105		9.531					ND	
92 1,4-Dichlorobutane	55		9.626					ND	
91 Cyclohexanone	55		9.626					ND	
93 1,1,2,2-Tetrachloroethane	83		9.816					ND	
95 Bromobenzene	156		9.852					ND	
97 trans-1,4-Dichloro-2-butene	53		9.875					ND	
96 1,2,3-Trichloropropane	110		9.875					ND	
98 N-Propylbenzene	120		9.946					ND	
100 2-Chlorotoluene	126		10.041					ND	
94 3-Ethyltoluene	105		10.041					ND	
101 1,3,5-Trimethylbenzene	105		10.124					ND	
102 4-Chlorotoluene	126		10.160					ND	
99 2-Ethyltoluene	105		10.350					ND	
103 tert-Butylbenzene	119		10.468					ND	
104 Pentachloroethane	167		10.492					ND	
105 1,2,4-Trimethylbenzene	105		10.527					ND	
106 sec-Butylbenzene	105		10.705					ND	
107 1,3-Dichlorobenzene	146		10.824					ND	
108 4-Isopropyltoluene	119		10.848					ND	
109 1,4-Dichlorobenzene	146		10.919					ND	
110 1,2,3-Trimethylbenzene	105		10.966					ND	
111 Benzyl chloride	91		11.049					ND	
112 n-Butylbenzene	91		11.286					ND	
113 1,2-Dichlorobenzene	146		11.310					ND	
114 1,2-Dibromo-3-Chloropropane	157		12.128					ND	
115 1,3,5-Trichlorobenzene	180		12.366					ND	
116 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	82	1930		0.1170	
117 Hexachlorobutadiene	225		13.208					ND	
118 Naphthalene	128		13.279					ND	
119 1,2,3-Trichlorobenzene	180		13.540					ND	
120 2-Methylnaphthalene	142	14.619	14.631	-0.012	90	3405		0.1231	
122 Ethylene oxide	1		-0.010					ND	
123 Propene oxide	1		-0.010					ND	
121 Epichlorohydrin	1		-0.010					ND	
S 124 Total BTEX	1		-0.010					ND	
S 125 Trihalomethanes, Total	1		-0.010					ND	
S 126 1,2-Dichloroethene, Total	96		1.130					ND	
S 127 1,3-Dichloropropene, Total	75		6.750					ND	
S 128 Xylenes, Total	106		16.520					ND	

Reagents:

vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

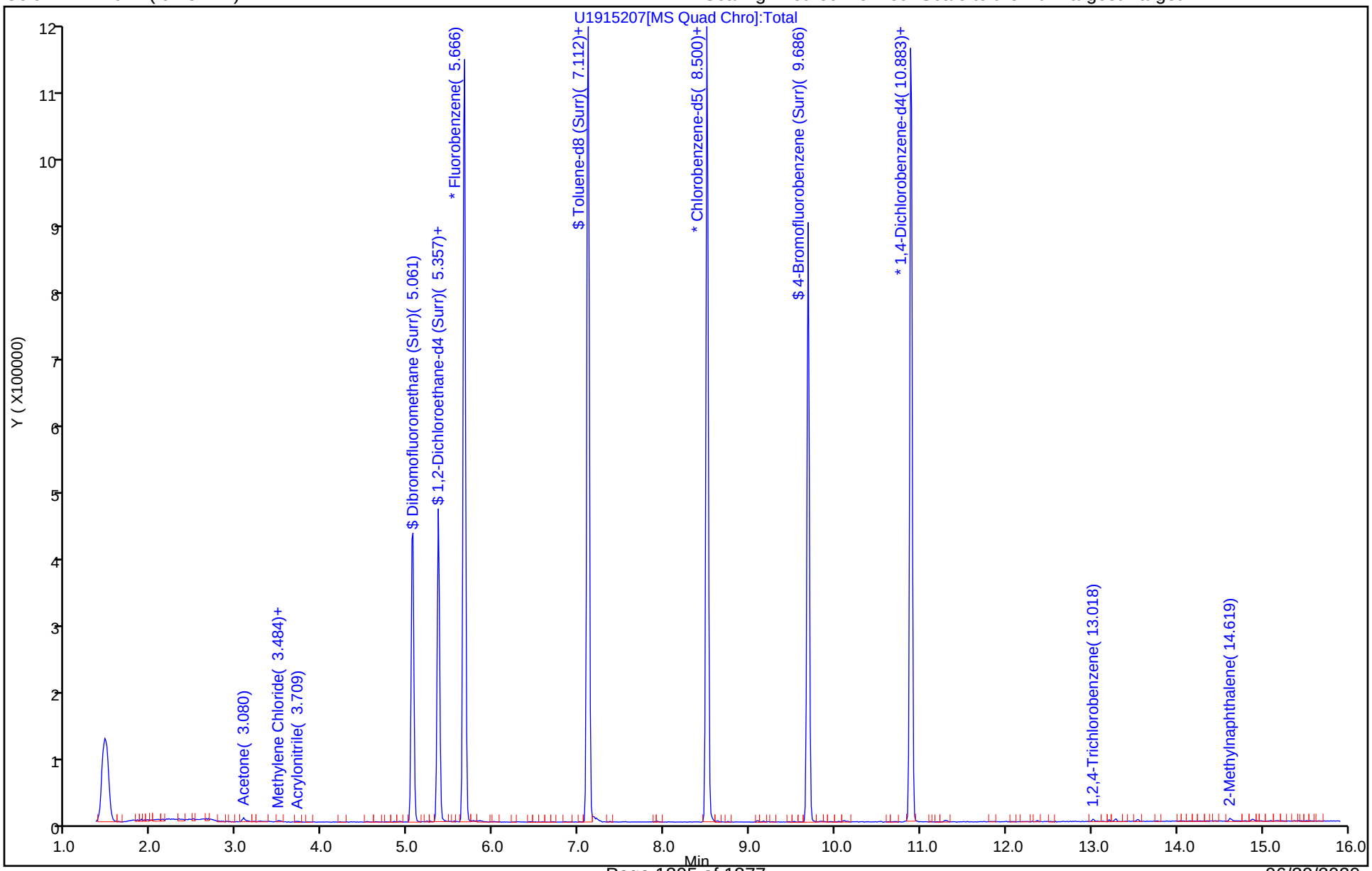
Report Date: 26-Jun-2020 18:46:27 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\U1915207.d

Injection Date:	26-Jun-2020 17:54:25	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\U1915207.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Jun-2020 17:54:25 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099563-008
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 16:35:08 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 18:46:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.7	98.59
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.8	93.89
$ 6 Toluene-d8 (Surr)	20.0	20.6	103.22
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.8	94.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-440070/5

Matrix: Water Lab File ID: UXM29281.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	17.2		1.0	0.14
71-55-6	1,1,1-Trichloroethane	16.9		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	16.0		1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	15.2		1.0	0.41
75-34-3	1,1-Dichloroethane	16.8		1.0	0.17
75-35-4	1,1-Dichloroethene	17.5		1.0	0.19
563-58-6	1,1-Dichloropropene	16.8		1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	16.2		1.0	0.54
96-18-4	1,2,3-Trichloropropane	17.6		1.0	0.24
120-82-1	1,2,4-Trichlorobenzene	15.8		1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	16.9		1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	16.5		5.0	0.91
95-50-1	1,2-Dichlorobenzene	15.8		1.0	0.15
107-06-2	1,2-Dichloroethane	16.7		1.0	0.21
78-87-5	1,2-Dichloropropane	17.3		1.0	0.15
541-73-1	1,3-Dichlorobenzene	16.2		1.0	0.15
142-28-9	1,3-Dichloropropane	17.0		1.0	0.21
106-46-7	1,4-Dichlorobenzene	16.6		1.0	0.16
594-20-7	2,2-Dichloropropane	15.1		1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	16.9		10	0.26
95-49-8	2-Chlorotoluene	16.1		1.0	0.15
591-78-6	2-Hexanone	35.0		5.0	0.54
108-86-1	Bromobenzene	16.6		1.0	0.12
74-97-5	Bromochloromethane	15.6		1.0	0.14
106-43-4	4-Chlorotoluene	16.6		1.0	0.090
99-87-6	p-Isopropyltoluene	16.7		1.0	0.13
67-64-1	Acetone	32.4		5.0	5.4
71-43-2	Benzene	16.8		1.0	0.13
75-25-2	Bromoform	16.7		1.0	0.76
74-83-9	Bromomethane	13.4		1.0	0.42
75-15-0	Carbon disulfide	17.5		1.0	0.28
56-23-5	Carbon tetrachloride	17.2		1.0	0.26
108-90-7	Chlorobenzene	16.6		1.0	0.14
75-00-3	Chloroethane	19.7		1.0	0.83
67-66-3	Chloroform	16.1		1.0	0.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-440070/5

Matrix: Water Lab File ID: UXM29281.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	19.5		1.0	0.20
156-59-2	cis-1,2-Dichloroethene	17.0		1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	16.7		1.0	0.61
87-68-3	Hexachlorobutadiene	16.4		1.0	0.83
74-95-3	Dibromomethane	16.8		1.0	0.090
75-27-4	Bromodichloromethane	16.8		1.0	0.17
75-71-8	Dichlorodifluoromethane	17.4		1.0	0.35
100-41-4	Ethylbenzene	16.8		1.0	0.11
106-93-4	1,2-Dibromoethane	17.2		1.0	0.12
91-20-3	Naphthalene	15.8		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	16.8		2.0	0.080
104-51-8	n-Butylbenzene	16.4		1.0	0.14
98-82-8	Isopropylbenzene	17.1		1.0	0.090
103-65-1	n-Propylbenzene	16.3		1.0	0.15
78-93-3	2-Butanone	32.7		5.0	1.2
108-10-1	4-Methyl-2-pentanone	34.6		5.0	0.42
135-98-8	sec-Butylbenzene	16.6		1.0	0.13
1634-04-4	Methyl tert-butyl ether	17.4		1.0	0.070
75-09-2	Methylene Chloride	16.7		5.0	2.6
95-47-6	o-Xylene	16.8		1.0	0.090
100-42-5	Styrene	17.0		1.0	0.10
98-06-6	tert-Butylbenzene	16.7		1.0	0.14
127-18-4	Tetrachloroethene	17.1		1.0	0.15
108-88-3	Toluene	16.7		1.0	0.14
156-60-5	trans-1,2-Dichloroethene	17.2		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	15.9		1.0	0.67
79-01-6	Trichloroethene	17.4		1.0	0.10
75-69-4	Trichlorofluoromethane	19.8		1.0	0.45
108-05-4	Vinyl acetate	15.1		2.0	0.19
75-01-4	Vinyl chloride	19.7		0.50	0.20
75-65-0	tert-Butyl alcohol	173		20	1.7
1330-20-7	Xylenes, Total	33.6		2.0	0.15
124-48-1	Dibromochloromethane	16.9		1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-440070/5

Matrix: Water Lab File ID: UXM29281.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 01:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440070 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		75-130
460-00-4	4-Bromofluorobenzene (Surr)	113		47-134
2037-26-5	Toluene-d8 (Surr)	108		69-122
1868-53-7	Dibromofluoromethane (Surr)	105		78-129

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29281.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Jun-2020 01:15:30 ALS Bottle#: 40 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-005
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 07:56:43 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 07:56:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.869	5.869	0.000	99	1238217	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.597	8.597	0.000	86	949941	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.862	10.862	0.000	96	512104	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.300	5.300	0.000	94	300868	20.0	20.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.596	5.597	-0.001	98	378303	20.0	21.6	
$ 6 Toluene-d8 (Surr)	98	7.257	7.257	0.000	93	1292600	20.0	21.6	
$ 7 4-Bromofluorobenzene (Surr)	95	9.723	9.723	0.000	89	498629	20.0	22.7	
9 Dichlorodifluoromethane	85	1.719	1.719	0.000	99	253615	20.0	17.4	
10 Chloromethane	50	1.908	1.909	-0.001	99	362404	20.0	19.5	
11 Vinyl chloride	62	2.027	2.027	0.000	98	364750	20.0	19.7	
12 Butadiene	54	2.074	2.063	0.011	97	345155	20.0	21.1	
13 Bromomethane	94	2.371	2.371	0.000	90	130640	20.0	13.4	
14 Chloroethane	64	2.490	2.490	0.000	99	226930	20.0	19.7	
15 Dichlorofluoromethane	67	2.715	2.715	0.000	97	506109	20.0	18.9	
16 Trichlorofluoromethane	101	2.750	2.751	-0.001	98	381269	20.0	19.8	
17 Ethyl ether	59	3.035	3.035	0.000	90	227062	20.0	17.8	
18 Acrolein	56	3.177	3.166	0.011	98	106927	100.0	66.6	
19 1,1-Dichloroethene	96	3.260	3.260	0.000	98	240057	20.0	17.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.272	3.272	0.000	92	164914	20.0	15.2	
21 Acetone	58	3.308	3.308	0.000	100	51325	40.0	32.4	
23 Iodomethane	142	3.414	3.415	-0.001	97	347645	20.0	17.2	
24 Carbon disulfide	76	3.474	3.474	0.000	99	790290	20.0	17.5	
27 Methyl acetate	43	3.604	3.593	0.012	97	394973	40.0	34.4	
26 3-Chloro-1-propene	41	3.616	3.616	0.000	92	406486	20.0	15.8	
28 Methylene Chloride	84	3.735	3.735	0.000	93	291371	20.0	16.7	
29 2-Methyl-2-propanol	59	3.818	3.818	0.000	99	243323	200.0	173.4	
30 Acrylonitrile	53	3.948	3.948	0.000	99	1103291	200.0	174.6	
31 Methyl tert-butyl ether	73	3.972	3.972	0.000	96	737366	20.0	17.4	
32 trans-1,2-Dichloroethene	96	3.984	3.984	0.000	99	279450	20.0	17.2	
33 Hexane	57	4.221	4.221	0.000	91	371866	20.0	15.2	
35 Vinyl acetate	43	4.363	4.363	0.000	97	301617	20.0	15.1	
34 1,1-Dichloroethane	63	4.375	4.375	0.000	96	492605	20.0	16.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Butanone (MEK)	72	4.861	4.861	0.000	99	62225	40.0	32.7	
39 cis-1,2-Dichloroethene	96	4.873	4.873	0.000	82	304809	20.0	17.0	
41 2,2-Dichloropropane	77	4.885	4.885	0.000	88	362312	20.0	15.1	
46 Tetrahydrofuran	42	5.087	5.087	0.000	90	164490	40.0	34.8	
45 Chlorobromomethane	128	5.087	5.087	0.000	98	119862	20.0	15.6	
47 Chloroform	83	5.158	5.158	0.000	94	453499	20.0	16.1	
48 1,1,1-Trichloroethane	97	5.312	5.312	0.000	98	388102	20.0	16.9	
49 Cyclohexane	56	5.371	5.371	0.000	88	471746	20.0	16.4	
51 Carbon tetrachloride	117	5.442	5.442	0.000	83	319666	20.0	17.2	
50 1,1-Dichloropropene	75	5.442	5.442	0.000	96	383072	20.0	16.8	
52 Isobutyl alcohol	41	5.502	5.502	0.000	95	189874	500.0	427.8	
54 Benzene	78	5.620	5.620	0.000	97	1150180	20.0	16.8	
53 1,2-Dichloroethane	62	5.656	5.656	0.000	97	356067	20.0	16.7	
56 n-Heptane	57	5.845	5.846	-0.001	92	241783	20.0	14.6	
58 Trichloroethene	130	6.178	6.178	0.000	98	292780	20.0	17.4	
60 Methylcyclohexane	83	6.391	6.391	0.000	91	459580	20.0	15.3	
61 1,2-Dichloropropane	63	6.415	6.403	0.012	96	291198	20.0	17.3	
64 1,4-Dioxane	88	6.462	6.462	0.000	91	66243	400.0	339.6	
63 Dibromomethane	93	6.486	6.486	0.000	95	150720	20.0	16.8	
65 Dichlorobromomethane	83	6.628	6.628	0.000	99	342688	20.0	16.8	
67 2-Chloroethyl vinyl ether	63	6.865	6.865	0.000	92	176706	20.0	16.9	
68 cis-1,3-Dichloropropene	75	7.008	7.008	0.000	96	434723	20.0	16.7	
69 4-Methyl-2-pentanone (MIBK)	43	7.126	7.126	0.000	96	454216	40.0	34.6	
70 Toluene	91	7.316	7.316	0.000	98	1179286	20.0	16.7	
71 trans-1,3-Dichloropropene	75	7.518	7.518	0.000	97	364807	20.0	15.9	
72 Ethyl methacrylate	69	7.541	7.541	0.000	90	323316	20.0	17.7	
73 1,1,2-Trichloroethane	97	7.695	7.696	-0.001	91	227407	20.0	17.7	
75 Tetrachloroethene	164	7.790	7.790	0.000	98	223442	20.0	17.1	
74 1,3-Dichloropropane	76	7.850	7.850	0.000	88	422731	20.0	17.0	
76 2-Hexanone	43	7.885	7.885	0.000	95	323501	40.0	35.0	
78 Chlorodibromomethane	129	8.051	8.051	0.000	91	233021	20.0	16.9	
80 Ethylene Dibromide	107	8.170	8.170	0.000	98	222660	20.0	17.2	
82 Chlorobenzene	112	8.620	8.621	-0.001	95	743079	20.0	16.6	
84 Ethylbenzene	106	8.703	8.704	-0.001	98	413557	20.0	16.8	
83 1,1,1,2-Tetrachloroethane	131	8.703	8.704	-0.001	96	239208	20.0	17.2	
85 m-Xylene & p-Xylene	106	8.822	8.822	0.000	97	513827	20.0	16.8	
86 o-Xylene	106	9.201	9.202	-0.001	96	491942	20.0	16.8	
87 Styrene	104	9.213	9.213	0.000	95	839557	20.0	17.0	
88 Bromoform	173	9.403	9.403	0.000	98	148942	20.0	16.7	
89 Isopropylbenzene	105	9.545	9.545	0.000	96	1288596	20.0	17.1	
92 1,1,2,2-Tetrachloroethane	83	9.842	9.842	0.000	94	279181	20.0	16.0	
93 Bromobenzene	156	9.866	9.866	0.000	97	291963	20.0	16.6	
94 trans-1,4-Dichloro-2-butene	53	9.877	9.878	-0.001	86	89237	20.0	16.5	
95 1,2,3-Trichloropropane	110	9.913	9.913	0.000	80	95896	20.0	17.6	
96 N-Propylbenzene	120	9.949	9.949	0.000	99	358156	20.0	16.3	
97 2-Chlorotoluene	126	10.055	10.055	0.000	97	294240	20.0	16.1	
99 1,3,5-Trimethylbenzene	105	10.126	10.127	-0.001	94	1065493	20.0	16.8	
100 4-Chlorotoluene	126	10.174	10.174	0.000	97	315927	20.0	16.6	
102 tert-Butylbenzene	119	10.447	10.447	0.000	93	924405	20.0	16.7	
104 1,2,4-Trimethylbenzene	105	10.506	10.506	0.000	97	1070371	20.0	16.9	
105 sec-Butylbenzene	105	10.660	10.660	0.000	94	1397872	20.0	16.6	
106 1,3-Dichlorobenzene	146	10.790	10.791	-0.001	97	562966	20.0	16.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	10.814	10.814	0.000	97	1171956	20.0	16.7	
108 1,4-Dichlorobenzene	146	10.885	10.885	0.000	95	579239	20.0	16.6	
111 n-Butylbenzene	91	11.217	11.218	-0.001	97	1065115	20.0	16.4	
112 1,2-Dichlorobenzene	146	11.253	11.253	0.000	98	516482	20.0	15.8	
113 1,2-Dibromo-3-Chloropropane	157	12.036	12.036	0.000	85	61464	20.0	16.5	
115 1,2,4-Trichlorobenzene	180	12.866	12.866	0.000	94	314021	20.0	15.8	
116 Hexachlorobutadiene	225	13.008	13.008	0.000	97	151150	20.0	16.4	
117 Naphthalene	128	13.150	13.150	0.000	97	832468	20.0	15.8	
118 1,2,3-Trichlorobenzene	180	13.399	13.399	0.000	95	279546	20.0	16.2	
S 134 Trihalomethanes, Total	1				0		80.0	66.5	
S 158 Total BTEX	1				0		100.0	83.9	
S 133 Xylenes, Total	106				0		40.0	33.6	

Reagents:

vmfaspw_00355	Amount Added:	16.00	Units: uL	
vmfasgw_00364	Amount Added:	16.00	Units: uL	
vmfasaw_00333	Amount Added:	16.00	Units: uL	
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent

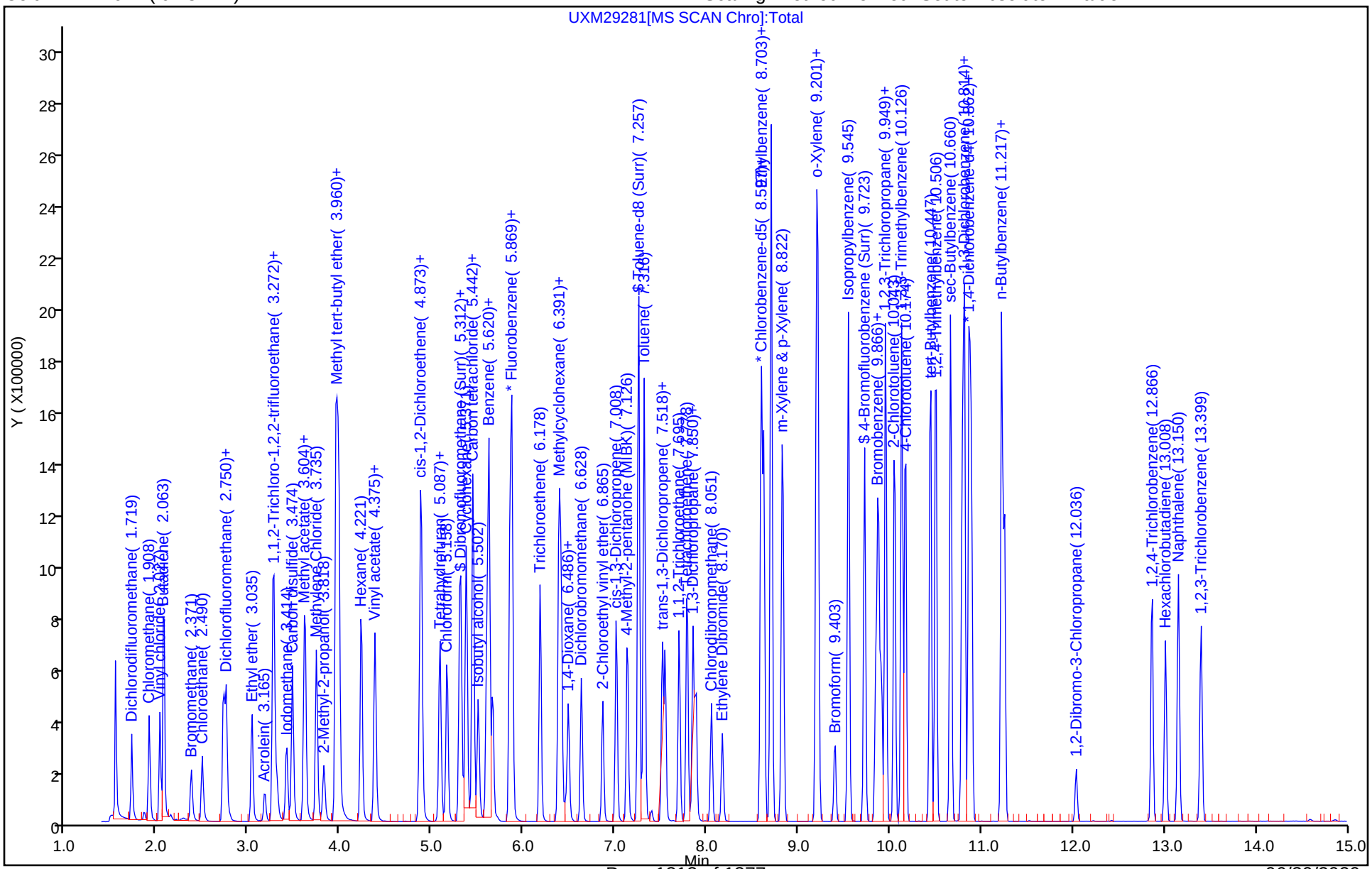
Report Date: 26-Jun-2020 07:56:44 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29281.D

Injection Date:	26-Jun-2020 01:15:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	40
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\UXM29281.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Jun-2020 01:15:30 ALS Bottle#: 40 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099515-005
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20200625-99515.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 07:56:43 Calib Date: 24-Jun-2020 12:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20200624-99464.b\UXM29202.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1055

First Level Reviewer: bosworthh Date: 26-Jun-2020 07:56:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.9	104.67
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.6	108.11
$ 6 Toluene-d8 (Surr)	20.0	21.6	108.17
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.7	113.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-440074/5

Matrix: Water Lab File ID: U1278703a.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 16:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	18.5		1.0	0.14
71-55-6	1,1,1-Trichloroethane	20.0		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	20.6		1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	19.7		1.0	0.41
75-34-3	1,1-Dichloroethane	20.1		1.0	0.17
75-35-4	1,1-Dichloroethene	21.0		1.0	0.19
563-58-6	1,1-Dichloropropene	19.5		1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	18.1		1.0	0.54
96-18-4	1,2,3-Trichloropropane	19.4		1.0	0.24
120-82-1	1,2,4-Trichlorobenzene	17.4		1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	19.1		1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	18.0		5.0	0.91
95-50-1	1,2-Dichlorobenzene	18.1		1.0	0.15
107-06-2	1,2-Dichloroethane	20.6		1.0	0.21
78-87-5	1,2-Dichloropropane	21.0		1.0	0.15
541-73-1	1,3-Dichlorobenzene	17.8		1.0	0.15
142-28-9	1,3-Dichloropropane	19.6		1.0	0.21
106-46-7	1,4-Dichlorobenzene	17.6		1.0	0.16
594-20-7	2,2-Dichloropropane	20.6		1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	21.2		10	0.26
95-49-8	2-Chlorotoluene	18.8		1.0	0.15
591-78-6	2-Hexanone	41.7		5.0	0.54
108-86-1	Bromobenzene	18.5		1.0	0.12
74-97-5	Bromochloromethane	20.5		1.0	0.14
106-43-4	4-Chlorotoluene	18.9		1.0	0.090
99-87-6	p-Isopropyltoluene	18.9		1.0	0.13
67-64-1	Acetone	45.0		5.0	5.4
71-43-2	Benzene	19.5		1.0	0.13
75-25-2	Bromoform	18.7		1.0	0.76
74-83-9	Bromomethane	19.0		1.0	0.42
75-15-0	Carbon disulfide	16.7		1.0	0.28
56-23-5	Carbon tetrachloride	19.7		1.0	0.26
108-90-7	Chlorobenzene	18.5		1.0	0.14
75-00-3	Chloroethane	19.8		1.0	0.83
67-66-3	Chloroform	20.0		1.0	0.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-440074/5

Matrix: Water Lab File ID: U1278703a.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 16:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440074 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	28.7		1.0	0.20
156-59-2	cis-1,2-Dichloroethene	18.7		1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	19.0		1.0	0.61
87-68-3	Hexachlorobutadiene	14.6		1.0	0.83
74-95-3	Dibromomethane	17.4		1.0	0.090
75-27-4	Bromodichloromethane	19.4		1.0	0.17
75-71-8	Dichlorodifluoromethane	17.2		1.0	0.35
100-41-4	Ethylbenzene	18.9		1.0	0.11
106-93-4	1,2-Dibromoethane	18.8		1.0	0.12
91-20-3	Naphthalene	18.6		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	18.9		2.0	0.080
104-51-8	n-Butylbenzene	18.7		1.0	0.14
98-82-8	Isopropylbenzene	19.0		1.0	0.090
103-65-1	n-Propylbenzene	19.6		1.0	0.15
78-93-3	2-Butanone	38.7		5.0	1.2
108-10-1	4-Methyl-2-pentanone	41.6		5.0	0.42
135-98-8	sec-Butylbenzene	18.7		1.0	0.13
1634-04-4	Methyl tert-butyl ether	19.8		1.0	0.070
75-09-2	Methylene Chloride	20.0		5.0	2.6
95-47-6	o-Xylene	18.8		1.0	0.090
100-42-5	Styrene	18.8		1.0	0.10
98-06-6	tert-Butylbenzene	18.5		1.0	0.14
127-18-4	Tetrachloroethene	18.7		1.0	0.15
108-88-3	Toluene	19.2		1.0	0.14
156-60-5	trans-1,2-Dichloroethene	20.7		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	18.2		1.0	0.67
79-01-6	Trichloroethene	18.8		1.0	0.10
75-69-4	Trichlorofluoromethane	20.2		1.0	0.45
108-05-4	Vinyl acetate	20.7		2.0	0.19
75-01-4	Vinyl chloride	18.7		0.50	0.20
75-65-0	tert-Butyl alcohol	174		20	1.7
1330-20-7	Xylenes, Total	37.7		2.0	0.15
124-48-1	Dibromochloromethane	18.8		1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-440074/5

Matrix: Water Lab File ID: U1278703a.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 16:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 440074 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		75-130
460-00-4	4-Bromofluorobenzene (Surr)	91		47-134
2037-26-5	Toluene-d8 (Surr)	97		69-122
1868-53-7	Dibromofluoromethane (Surr)	96		78-129

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278703a.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 25-Jun-2020 16:58:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-005
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jun-2020 15:38:21 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: laveyt Date: 25-Jun-2020 17:39:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	99	1159962	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	86	790525	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.970	9.970	0.000	94	425255	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.539	0.000	94	296912	20.0	19.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.823	0.000	96	366709	20.0	21.2	
$ 6 Toluene-d8 (Surr)	98	6.456	6.456	0.000	93	1085013	20.0	19.4	
$ 7 4-Bromofluorobenzene (Surr)	95	8.846	8.846	0.000	94	375809	20.0	18.2	
9 Dichlorodifluoromethane	85	1.415	1.403	0.012	99	383773	20.0	17.2	
10 Chloromethane	50	1.640	1.616	0.024	99	561726	20.0	28.7	
11 Butadiene	54	1.652	1.652	0.000	90	419775	20.0	19.5	
12 Vinyl chloride	62	1.699	1.699	0.000	97	408349	20.0	18.7	
14 Bromomethane	94	1.948	1.948	0.000	91	256281	20.0	19.0	
15 Chloroethane	64	2.007	2.007	0.000	100	271678	20.0	19.8	
16 Dichlorofluoromethane	67	2.196	2.196	0.000	98	588811	20.0	21.5	
17 Trichlorofluoromethane	101	2.255	2.255	0.000	97	492027	20.0	20.2	
19 Ethyl ether	59	2.433	2.433	0.000	91	306312	20.0	20.9	
20 Acrolein	56	2.563	2.563	0.000	98	222414	100.0	50.8	
21 1,1-Dichloroethene	61	2.670	2.634	0.036	97	504688	20.0	21.0	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.681	2.670	0.011	92	312969	20.0	19.7	
23 Acetone	43	2.693	2.693	0.000	100	382508	40.0	45.0	
24 Iodomethane	142	2.823	2.812	0.011	98	495880	20.0	19.5	
25 Carbon disulfide	76	2.871	2.859	0.012	100	923955	20.0	16.7	
27 3-Chloro-1-propene	41	2.954	2.954	0.000	87	522561	20.0	19.1	
28 Methyl acetate	43	2.977	2.977	0.000	97	796304	40.0	39.5	
29 Methylene Chloride	49	3.060	3.060	0.000	93	443656	20.0	20.0	
30 2-Methyl-2-propanol	59	3.178	3.178	0.000	99	737656	200.0	173.7	
31 Acrylonitrile	53	3.273	3.273	0.000	99	2057789	200.0	195.9	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	97	487771	20.0	20.7	
33 Methyl tert-butyl ether	73	3.297	3.297	0.000	95	965004	20.0	19.8	
34 Hexane	57	3.522	3.510	0.012	91	524925	20.0	20.4	
35 1,1-Dichloroethane	63	3.652	3.652	0.000	96	591967	20.0	20.1	
36 Vinyl acetate	43	3.687	3.687	0.000	97	683561	20.0	20.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	82	373116	20.0	18.7	
40 2,2-Dichloropropane	77	4.137	4.137	0.000	59	392780	20.0	20.6	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	99	139980	40.0	38.7	
46 Chlorobromomethane	49	4.338	4.338	0.000	97	286677	20.0	20.5	
47 Tetrahydrofuran	42	4.373	4.374	-0.001	86	353755	40.0	40.7	
48 Chloroform	83	4.409	4.397	0.012	94	561409	20.0	20.0	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	98	481912	20.0	20.0	
50 Cyclohexane	84	4.598	4.598	0.000	89	561454	20.0	19.2	
51 1,1-Dichloropropene	75	4.693	4.693	0.000	94	464025	20.0	19.5	
52 Carbon tetrachloride	117	4.693	4.693	0.000	78	404758	20.0	19.7	
53 Isobutyl alcohol	41	4.788	4.788	0.000	94	596535	500.0	517.3	
54 Benzene	78	4.870	4.870	0.000	96	1335446	20.0	19.5	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	432830	20.0	20.6	
57 n-Heptane	57	5.072	5.072	0.000	93	243543	20.0	17.2	
59 Trichloroethene	130	5.403	5.403	0.000	96	343546	20.0	18.8	
61 Methylcyclohexane	83	5.569	5.569	0.000	88	608558	20.0	18.6	
62 1,2-Dichloropropane	63	5.604	5.604	0.000	92	302499	20.0	21.0	
64 Dibromomethane	174	5.711	5.699	0.012	94	212651	20.0	17.4	
65 1,4-Dioxane	88	5.711	5.711	0.000	93	110389	400.0	475.7	
66 Dichlorobromomethane	83	5.829	5.829	0.000	99	382296	20.0	19.4	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	91	221863	20.0	21.2	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	95	455564	20.0	19.0	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.350	0.000	95	925622	40.0	41.6	
71 Toluene	91	6.515	6.503	0.012	99	1270925	20.0	19.2	
72 trans-1,3-Dichloropropene	75	6.705	6.705	0.000	94	390119	20.0	18.2	
74 Ethyl methacrylate	69	6.776	6.776	0.000	89	429478	20.0	20.8	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	92	252095	20.0	19.2	
76 Tetrachloroethene	166	7.000	7.000	0.000	97	329205	20.0	18.7	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	90	456637	20.0	19.6	
78 2-Hexanone	43	7.095	7.083	0.012	95	659182	40.0	41.7	
80 Chlorodibromomethane	129	7.225	7.225	0.000	91	256753	20.0	18.8	
81 Ethylene Dibromide	107	7.332	7.332	0.000	98	266491	20.0	18.8	
83 Chlorobenzene	112	7.781	7.781	0.000	96	791580	20.0	18.5	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	95	275361	20.0	18.5	
85 Ethylbenzene	106	7.876	7.876	0.000	99	451370	20.0	18.9	
86 m-Xylene & p-Xylene	106	7.983	7.983	-0.001	98	558888	20.0	18.9	
87 o-Xylene	106	8.361	8.361	0.000	96	560492	20.0	18.8	
88 Styrene	104	8.373	8.373	0.000	96	903520	20.0	18.8	
89 Bromoform	173	8.550	8.551	-0.001	96	184235	20.0	18.7	
90 Isopropylbenzene	105	8.704	8.704	0.000	96	1478959	20.0	19.0	
92 Bromobenzene	156	9.000	9.000	0.000	92	340086	20.0	18.5	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	86	431592	20.0	20.6	
94 1,2,3-Trichloropropane	110	9.036	9.036	0.000	86	153586	20.0	19.4	
95 trans-1,4-Dichloro-2-butene	53	9.047	9.048	-0.001	92	114909	20.0	16.9	
96 N-Propylbenzene	120	9.095	9.095	0.000	99	410295	20.0	19.6	
97 2-Chlorotoluene	126	9.189	9.190	-0.001	97	330966	20.0	18.8	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	1161591	20.0	19.2	
99 4-Chlorotoluene	126	9.284	9.284	0.000	99	341880	20.0	18.9	
102 tert-Butylbenzene	119	9.580	9.580	0.000	91	1014590	20.0	18.5	
104 1,2,4-Trimethylbenzene	105	9.627	9.627	0.000	97	1193569	20.0	19.1	
105 sec-Butylbenzene	105	9.793	9.793	0.000	95	1479355	20.0	18.7	
106 1,3-Dichlorobenzene	146	9.911	9.911	0.000	99	645097	20.0	17.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	9.947	9.935	0.012	97	1293840	20.0	18.9	
108 1,4-Dichlorobenzene	146	9.994	9.994	0.000	96	657411	20.0	17.6	
111 n-Butylbenzene	91	10.337	10.337	0.000	97	1087269	20.0	18.7	
112 1,2-Dichlorobenzene	146	10.361	10.361	0.000	98	635499	20.0	18.1	
113 1,2-Dibromo-3-Chloropropane	157	11.130	11.130	0.000	86	123314	20.0	18.0	
115 1,2,4-Trichlorobenzene	180	11.947	11.947	0.000	94	427232	20.0	17.4	
116 Hexachlorobutadiene	225	12.124	12.124	0.000	96	158601	20.0	14.6	
117 Naphthalene	128	12.195	12.195	0.000	97	1436194	20.0	18.6	
118 1,2,3-Trichlorobenzene	180	12.432	12.432	0.000	95	411599	20.0	18.1	
S 124 Trihalomethanes, Total	1				0		80.0	76.8	
S 125 Total BTEX	1				0		100.0	95.4	
S 128 Xylenes, Total	106				0		40.0	37.7	

Reagents:

vmfasgw_00364	Amount Added:	16.00	Units: uL	
vmfaspw_00355	Amount Added:	16.00	Units: uL	
vmfasaw_00333	Amount Added:	16.00	Units: uL	
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vm50is_stk_a_00006	Amount Added:	2.00	Units: uL	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent

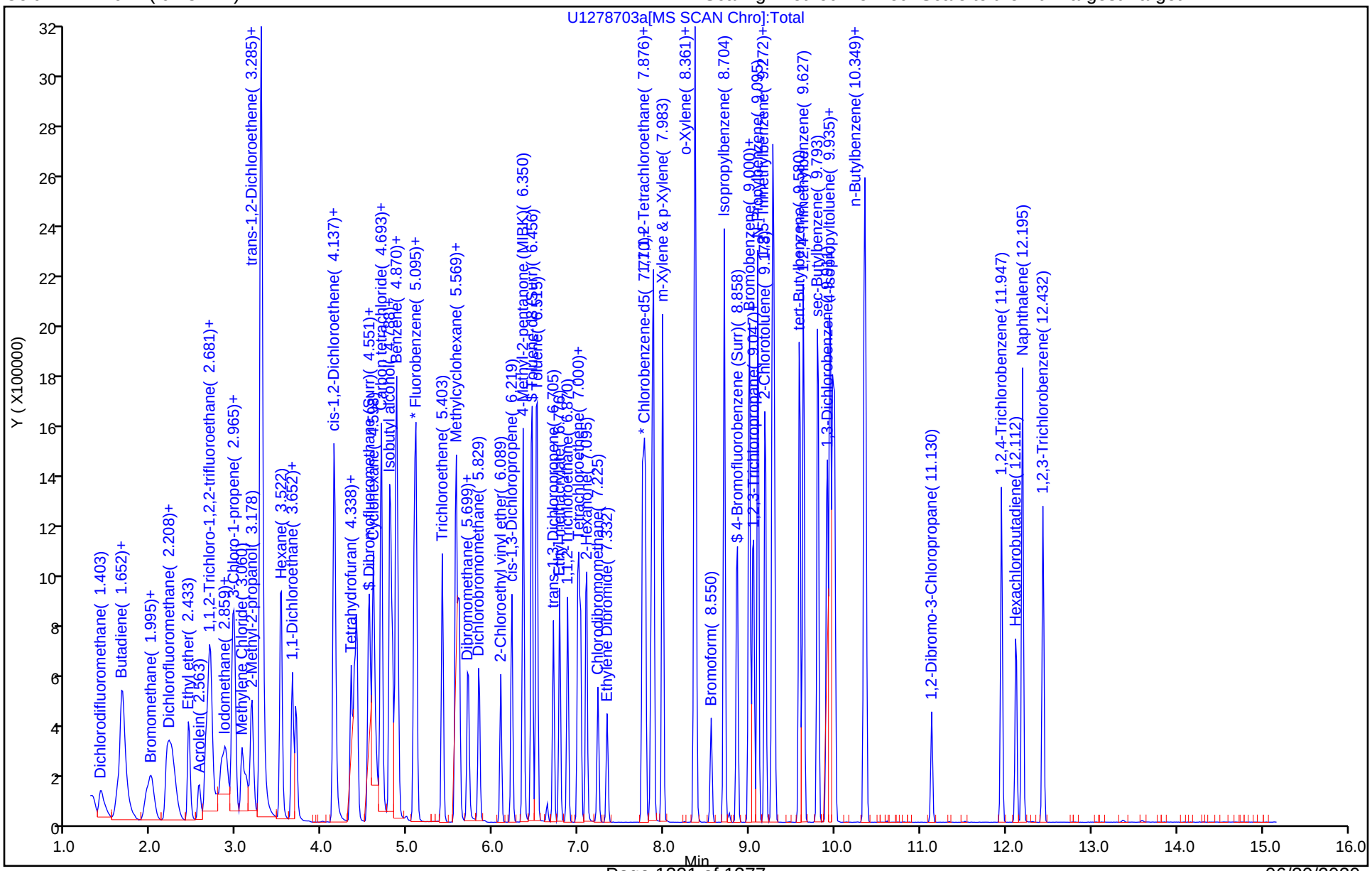
Report Date: 25-Jun-2020 17:39:08 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278703a.D

Injection Date:	25-Jun-2020 16:58:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\U1278703a.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 25-Jun-2020 16:58:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099518-005
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20200625-99518.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jun-2020 15:38:21 Calib Date: 30-Apr-2019 20:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX12\20190430-86631.b\U1269811.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: laveyt Date: 25-Jun-2020 17:39:06

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.2	96.23
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.2	105.81
$ 6 Toluene-d8 (Surr)	20.0	19.4	96.88
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.2	91.09

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-440080/5

Matrix: Water Lab File ID: U1915174.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 16:55

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	19.6		1.0	0.14
71-55-6	1,1,1-Trichloroethane	17.5		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	25.4		1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	19.3		1.0	0.41
75-34-3	1,1-Dichloroethane	20.5		1.0	0.17
75-35-4	1,1-Dichloroethene	19.4		1.0	0.19
563-58-6	1,1-Dichloropropene	19.4		1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	19.0		1.0	0.54
96-18-4	1,2,3-Trichloropropane	21.4		1.0	0.24
120-82-1	1,2,4-Trichlorobenzene	17.6		1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	22.4		1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	21.0		5.0	0.91
95-50-1	1,2-Dichlorobenzene	20.8		1.0	0.15
107-06-2	1,2-Dichloroethane	17.0		1.0	0.21
78-87-5	1,2-Dichloropropane	21.1		1.0	0.15
541-73-1	1,3-Dichlorobenzene	19.9		1.0	0.15
142-28-9	1,3-Dichloropropane	21.7		1.0	0.21
106-46-7	1,4-Dichlorobenzene	19.5		1.0	0.16
594-20-7	2,2-Dichloropropane	19.1		1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	18.3		10	0.26
95-49-8	2-Chlorotoluene	22.0		1.0	0.15
591-78-6	2-Hexanone	40.6		5.0	0.54
108-86-1	Bromobenzene	19.0		1.0	0.12
74-97-5	Bromochloromethane	19.3		1.0	0.14
106-43-4	4-Chlorotoluene	20.9		1.0	0.090
99-87-6	p-Isopropyltoluene	21.0		1.0	0.13
67-64-1	Acetone	56.4		5.0	5.4
71-43-2	Benzene	21.2		1.0	0.13
75-25-2	Bromoform	17.0		1.0	0.76
74-83-9	Bromomethane	17.7		1.0	0.42
75-15-0	Carbon disulfide	20.2		1.0	0.28
56-23-5	Carbon tetrachloride	16.4		1.0	0.26
108-90-7	Chlorobenzene	19.8		1.0	0.14
75-00-3	Chloroethane	20.9		1.0	0.83
67-66-3	Chloroform	19.7		1.0	0.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-440080/5

Matrix: Water Lab File ID: U1915174.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 16:55

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.: 440080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	19.6		1.0	0.20
156-59-2	cis-1,2-Dichloroethene	20.0		1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	19.0		1.0	0.61
87-68-3	Hexachlorobutadiene	14.7		1.0	0.83
74-95-3	Dibromomethane	15.8		1.0	0.090
75-27-4	Bromodichloromethane	18.6		1.0	0.17
75-71-8	Dichlorodifluoromethane	14.2		1.0	0.35
100-41-4	Ethylbenzene	20.6		1.0	0.11
106-93-4	1,2-Dibromoethane	19.5		1.0	0.12
91-20-3	Naphthalene	21.8		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	21.2		2.0	0.080
104-51-8	n-Butylbenzene	21.5		1.0	0.14
98-82-8	Isopropylbenzene	21.1		1.0	0.090
103-65-1	n-Propylbenzene	21.7		1.0	0.15
78-93-3	2-Butanone	44.0		5.0	1.2
108-10-1	4-Methyl-2-pentanone	37.9		5.0	0.42
135-98-8	sec-Butylbenzene	21.5		1.0	0.13
1634-04-4	Methyl tert-butyl ether	18.3		1.0	0.070
75-09-2	Methylene Chloride	20.1		5.0	2.6
95-47-6	o-Xylene	21.5		1.0	0.090
100-42-5	Styrene	21.1		1.0	0.10
98-06-6	tert-Butylbenzene	20.3		1.0	0.14
127-18-4	Tetrachloroethene	17.5		1.0	0.15
108-88-3	Toluene	21.9		1.0	0.14
156-60-5	trans-1,2-Dichloroethene	20.2		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	18.2		1.0	0.67
79-01-6	Trichloroethene	17.4		1.0	0.10
75-69-4	Trichlorofluoromethane	15.4		1.0	0.45
108-05-4	Vinyl acetate	18.4		2.0	0.19
75-01-4	Vinyl chloride	19.7		0.50	0.20
75-65-0	tert-Butyl alcohol	304		20	1.7
1330-20-7	Xylenes, Total	42.7		2.0	0.15
124-48-1	Dibromochloromethane	19.2		1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-440080/5

Matrix: Water Lab File ID: U1915174.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/25/2020 16:55

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.: 440080 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		75-130
460-00-4	4-Bromofluorobenzene (Surr)	105		47-134
2037-26-5	Toluene-d8 (Surr)	108		69-122
1868-53-7	Dibromofluoromethane (Surr)	94		78-129

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915174.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 25-Jun-2020 16:55:10 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-005
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jun-2020 16:19:58 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: laveyt Date: 25-Jun-2020 18:29:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.665	5.665	0.000	99	1164991	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	84	829633	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.883	10.895	-0.012	93	431931	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.049	5.061	-0.012	93	296291	20.0	18.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	95	322739	20.0	17.9	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	92	1074125	20.0	21.6	
$ 7 4-Bromofluorobenzene (Surr)	95	9.685	9.685	0.000	91	391977	20.0	20.9	
9 Dichlorodifluoromethane	85	1.610	1.622	-0.012	100	317469	20.0	14.2	
10 Chloromethane	50	1.811	1.835	-0.024	99	328776	20.0	19.6	
11 Butadiene	54	1.906	1.918	-0.012	88	327669	20.0	19.5	
12 Vinyl chloride	62	1.918	1.942	-0.024	98	341109	20.0	19.7	
13 Bromomethane	94	2.226	2.238	-0.012	89	241023	20.0	17.7	
15 Chloroethane	64	2.298	2.321	-0.023	99	225524	20.0	20.9	
16 Dichlorofluoromethane	67	2.511	2.523	-0.012	97	494938	20.0	18.5	
17 Trichlorofluoromethane	101	2.570	2.582	-0.012	98	447789	20.0	15.4	
18 Ethyl ether	59	2.807	2.819	-0.012	88	244604	20.0	23.3	
19 Acrolein	56	2.926	2.938	-0.012	99	154121	100.0	59.5	
20 1,1-Dichloroethene	61	3.045	3.045	0.000	98	405416	20.0	19.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.056	3.068	-0.012	92	289203	20.0	19.3	
22 Acetone	43	3.068	3.080	-0.012	100	257424	40.0	56.4	
24 Iodomethane	142	3.199	3.211	-0.012	98	461246	20.0	17.0	
25 Carbon disulfide	76	3.270	3.270	0.000	98	883729	20.0	20.2	
27 3-Chloro-1-propene	41	3.365	3.377	-0.012	92	371655	20.0	18.0	
28 Methyl acetate	43	3.377	3.388	-0.011	96	588593	40.0	43.4	
29 Methylene Chloride	49	3.483	3.495	-0.012	86	332542	20.0	20.1	
30 2-Methyl-2-propanol	59	3.578	3.590	-0.012	98	479703	200.0	304.1	
31 Acrylonitrile	53	3.697	3.709	-0.012	99	1565910	200.0	267.3	
32 trans-1,2-Dichloroethene	61	3.732	3.744	-0.012	98	398965	20.0	20.2	
33 Methyl tert-butyl ether	73	3.732	3.744	-0.012	94	741399	20.0	18.3	
34 Hexane	57	3.981	3.993	-0.012	89	413160	20.0	20.1	
35 1,1-Dichloroethane	63	4.112	4.124	-0.012	96	483069	20.0	20.5	
36 Vinyl acetate	43	4.147	4.159	-0.012	97	498216	20.0	18.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 cis-1,2-Dichloroethene	96	4.634	4.634	0.000	88	337386	20.0	20.0	
42 2,2-Dichloropropane	77	4.634	4.645	-0.011	68	270576	20.0	19.1	
40 2-Butanone (MEK)	72	4.634	4.645	-0.011	97	121006	40.0	44.0	
46 Chlorobromomethane	49	4.847	4.847	0.000	89	218443	20.0	19.3	
47 Tetrahydrofuran	42	4.883	4.895	-0.012	84	251617	40.0	41.8	
48 Chloroform	83	4.906	4.918	-0.012	93	508095	20.0	19.7	
49 1,1,1-Trichloroethane	97	5.084	5.096	-0.012	98	424918	20.0	17.5	
50 Cyclohexane	84	5.144	5.155	-0.011	86	456052	20.0	20.5	
51 1,1-Dichloropropene	75	5.227	5.238	-0.011	99	397126	20.0	19.4	
52 Carbon tetrachloride	117	5.238	5.250	-0.012	96	383427	20.0	16.4	
53 Isobutyl alcohol	41	5.298	5.298	0.000	94	425863	500.0	665.7	
54 Benzene	78	5.416	5.416	0.000	95	1177644	20.0	21.2	
55 1,2-Dichloroethane	62	5.428	5.428	0.000	97	355657	20.0	17.0	
57 n-Heptane	57	5.642	5.653	-0.011	86	203368	20.0	15.3	
59 Trichloroethene	130	5.997	5.997	0.000	98	320114	20.0	17.4	
61 Methylcyclohexane	83	6.175	6.175	0.000	90	491706	20.0	18.4	
62 1,2-Dichloropropane	63	6.187	6.199	-0.012	97	271385	20.0	21.1	
64 Dibromomethane	174	6.306	6.306	0.000	96	209315	20.0	15.8	
65 1,4-Dioxane	88	6.306	6.306	0.000	91	113397	400.0	814.7	
66 Dichlorobromomethane	83	6.436	6.436	0.000	99	377675	20.0	18.6	
68 2-Chloroethyl vinyl ether	63	6.697	6.709	-0.012	92	188700	20.0	18.3	
69 cis-1,3-Dichloropropene	75	6.851	6.851	0.000	97	428711	20.0	19.0	
70 4-Methyl-2-pentanone (MIBK)	43	6.982	6.982	0.000	95	707677	40.0	37.9	
71 Toluene	91	7.171	7.171	0.000	98	1230648	20.0	21.9	
72 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	91	363122	20.0	18.2	
73 Ethyl methacrylate	69	7.444	7.444	0.000	87	383761	20.0	21.3	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	91	255863	20.0	21.7	
75 Tetrachloroethene	166	7.705	7.705	0.000	96	313248	20.0	17.5	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	88	432816	20.0	21.7	
77 2-Hexanone	43	7.776	7.776	0.000	93	530283	40.0	40.6	
79 Chlorodibromomethane	129	7.930	7.930	0.000	90	286065	20.0	19.2	
81 Ethylene Dibromide	107	8.049	8.049	0.000	97	271192	20.0	19.5	
83 Chlorobenzene	112	8.535	8.535	0.000	98	759735	20.0	19.8	
84 1,1,1,2-Tetrachloroethane	131	8.606	8.606	0.000	96	270565	20.0	19.6	
85 Ethylbenzene	106	8.630	8.642	-0.012	98	413492	20.0	20.6	
86 m-Xylene & p-Xylene	106	8.749	8.749	0.000	100	518249	20.0	21.2	
87 o-Xylene	106	9.152	9.152	0.000	97	498857	20.0	21.5	
88 Styrene	104	9.164	9.164	0.000	93	839925	20.0	21.1	
89 Bromoform	173	9.353	9.353	0.000	96	206464	20.0	17.0	
90 Isopropylbenzene	105	9.531	9.531	0.000	95	1318341	20.0	21.1	
93 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	94	422431	20.0	25.4	
95 Bromobenzene	156	9.851	9.851	0.000	91	315808	20.0	19.0	
97 trans-1,4-Dichloro-2-butene	53	9.875	9.875	0.000	75	120635	20.0	20.4	
96 1,2,3-Trichloropropane	110	9.875	9.875	0.000	83	135291	20.0	21.4	
98 N-Propylbenzene	120	9.946	9.946	0.000	99	361565	20.0	21.7	
100 2-Chlorotoluene	126	10.041	10.041	0.000	97	310737	20.0	22.0	
101 1,3,5-Trimethylbenzene	105	10.136	10.136	0.000	95	1077812	20.0	22.4	
102 4-Chlorotoluene	126	10.160	10.160	0.000	99	319353	20.0	20.9	
103 tert-Butylbenzene	119	10.480	10.480	0.000	91	925682	20.0	20.3	
105 1,2,4-Trimethylbenzene	105	10.527	10.527	0.000	96	1091612	20.0	22.4	
106 sec-Butylbenzene	105	10.705	10.705	0.000	94	1322529	20.0	21.5	
107 1,3-Dichlorobenzene	146	10.824	10.824	0.000	98	605545	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
108 4-Isopropyltoluene	119	10.859	10.859	0.000	97	1127459	20.0	21.0	
109 1,4-Dichlorobenzene	146	10.919	10.919	0.000	95	615803	20.0	19.5	
112 n-Butylbenzene	91	11.286	11.286	0.000	98	950744	20.0	21.5	
113 1,2-Dichlorobenzene	146	11.310	11.310	0.000	98	576350	20.0	20.8	
114 1,2-Dibromo-3-Chloropropane	157	12.128	12.128	0.000	89	111093	20.0	21.0	
116 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	94	325891	20.0	17.6	
117 Hexachlorobutadiene	225	13.207	13.207	0.000	98	139678	20.0	14.7	
118 Naphthalene	128	13.279	13.279	0.000	97	1110353	20.0	21.8	
119 1,2,3-Trichlorobenzene	180	13.551	13.539	0.012	95	315731	20.0	19.0	
S 125 Trihalomethanes, Total	1				0		80.0	74.5	
S 124 Total BTEX	1				0		100.0	106.5	
S 128 Xylenes, Total	106				0		40.0	42.7	

Reagents:

vmfasgw_00364	Amount Added:	16.00	Units: uL	
vmfasaw_00333	Amount Added:	16.00	Units: uL	
vmfaspw_00355	Amount Added:	16.00	Units: uL	
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

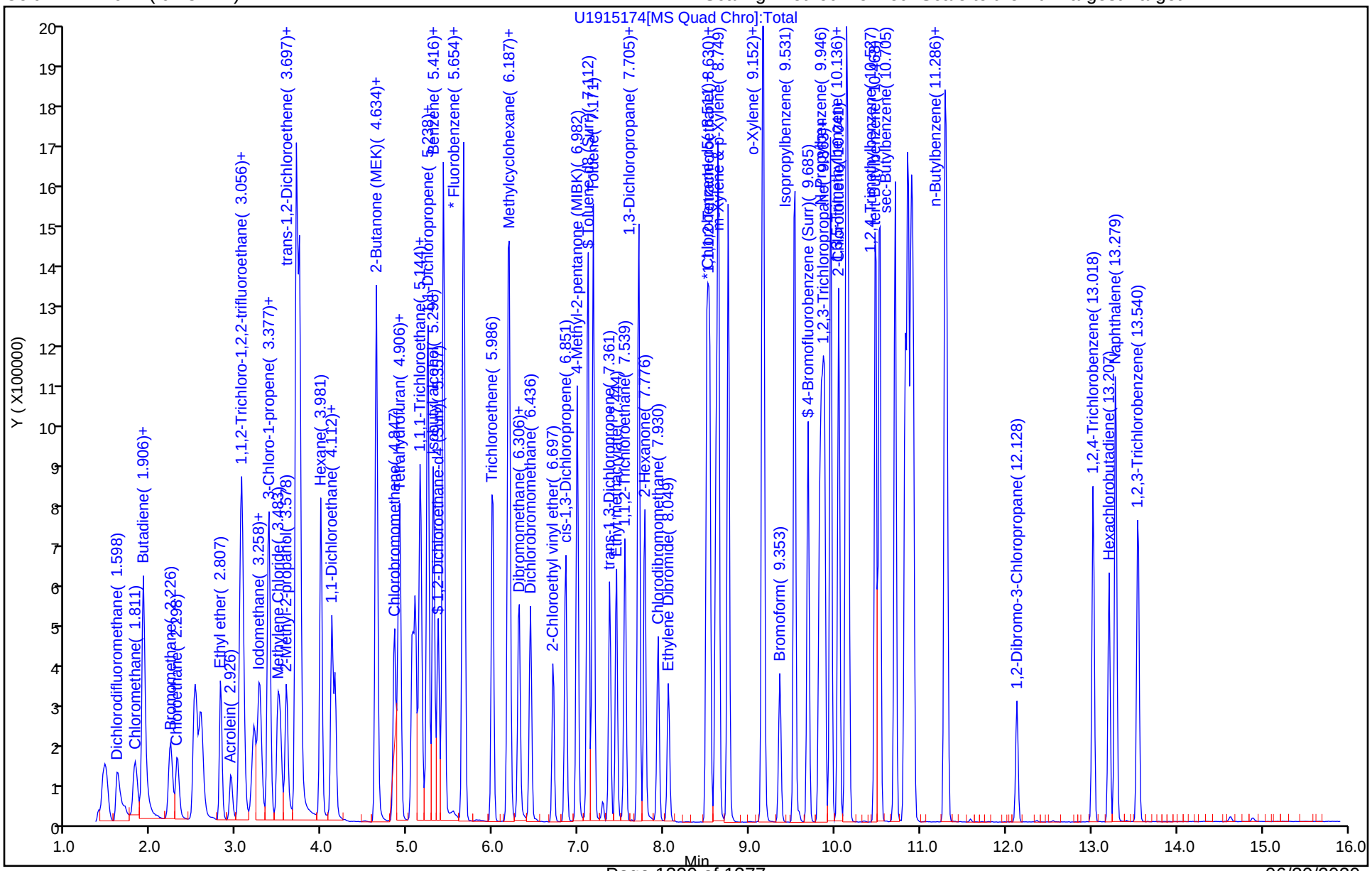
Report Date: 25-Jun-2020 18:29:49 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915174.d

Injection Date:	25-Jun-2020 16:55:10	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\U1915174.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 25-Jun-2020 16:55:10 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099519-005
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200625-99519.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jun-2020 16:19:58 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: laveyt Date: 25-Jun-2020 18:29:47

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.9	94.48
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	17.9	89.60
$ 6 Toluene-d8 (Surr)	20.0	21.6	107.96
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.9	104.69

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-440294/5

Matrix: Water Lab File ID: U1915204.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 16:46

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	20.2		1.0	0.14
71-55-6	1,1,1-Trichloroethane	17.8		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	25.4		1.0	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0		1.0	0.41
75-34-3	1,1-Dichloroethane	21.0		1.0	0.17
75-35-4	1,1-Dichloroethene	19.8		1.0	0.19
563-58-6	1,1-Dichloropropene	19.8		1.0	0.14
87-61-6	1,2,3-Trichlorobenzene	19.2		1.0	0.54
96-18-4	1,2,3-Trichloropropane	21.3		1.0	0.24
120-82-1	1,2,4-Trichlorobenzene	17.2		1.0	0.26
95-63-6	1,2,4-Trimethylbenzene	22.3		1.0	0.070
96-12-8	1,2-Dibromo-3-Chloropropane	21.4		5.0	0.91
95-50-1	1,2-Dichlorobenzene	21.0		1.0	0.15
107-06-2	1,2-Dichloroethane	17.3		1.0	0.21
78-87-5	1,2-Dichloropropane	21.6		1.0	0.15
541-73-1	1,3-Dichlorobenzene	20.0		1.0	0.15
142-28-9	1,3-Dichloropropane	21.8		1.0	0.21
106-46-7	1,4-Dichlorobenzene	19.6		1.0	0.16
594-20-7	2,2-Dichloropropane	18.7		1.0	0.31
110-75-8	2-Chloroethyl vinyl ether	18.7		10	0.26
95-49-8	2-Chlorotoluene	21.7		1.0	0.15
591-78-6	2-Hexanone	41.2		5.0	0.54
108-86-1	Bromobenzene	19.4		1.0	0.12
74-97-5	Bromochloromethane	19.5		1.0	0.14
106-43-4	4-Chlorotoluene	21.2		1.0	0.090
99-87-6	p-Isopropyltoluene	20.6		1.0	0.13
67-64-1	Acetone	57.1		5.0	5.4
71-43-2	Benzene	21.8		1.0	0.13
75-25-2	Bromoform	17.7		1.0	0.76
74-83-9	Bromomethane	18.2		1.0	0.42
75-15-0	Carbon disulfide	20.8		1.0	0.28
56-23-5	Carbon tetrachloride	16.6		1.0	0.26
108-90-7	Chlorobenzene	20.6		1.0	0.14
75-00-3	Chloroethane	20.9		1.0	0.83
67-66-3	Chloroform	19.6		1.0	0.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-440294/5

Matrix: Water Lab File ID: U1915204.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 16:46

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.: 440294 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	20.0		1.0	0.20
156-59-2	cis-1,2-Dichloroethene	20.6		1.0	0.16
10061-01-5	cis-1,3-Dichloropropene	19.5		1.0	0.61
87-68-3	Hexachlorobutadiene	14.6		1.0	0.83
74-95-3	Dibromomethane	16.1		1.0	0.090
75-27-4	Bromodichloromethane	18.6		1.0	0.17
75-71-8	Dichlorodifluoromethane	14.9		1.0	0.35
100-41-4	Ethylbenzene	21.0		1.0	0.11
106-93-4	1,2-Dibromoethane	20.4		1.0	0.12
91-20-3	Naphthalene	21.8		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	21.7		2.0	0.080
104-51-8	n-Butylbenzene	21.3		1.0	0.14
98-82-8	Isopropylbenzene	21.4		1.0	0.090
103-65-1	n-Propylbenzene	21.7		1.0	0.15
78-93-3	2-Butanone	44.0		5.0	1.2
108-10-1	4-Methyl-2-pentanone	39.0		5.0	0.42
135-98-8	sec-Butylbenzene	21.3		1.0	0.13
1634-04-4	Methyl tert-butyl ether	18.6		1.0	0.070
75-09-2	Methylene Chloride	20.5		5.0	2.6
95-47-6	o-Xylene	22.2		1.0	0.090
100-42-5	Styrene	21.7		1.0	0.10
98-06-6	tert-Butylbenzene	19.7		1.0	0.14
127-18-4	Tetrachloroethene	18.2		1.0	0.15
108-88-3	Toluene	22.5		1.0	0.14
156-60-5	trans-1,2-Dichloroethene	20.7		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	18.4		1.0	0.67
79-01-6	Trichloroethene	17.8		1.0	0.10
75-69-4	Trichlorofluoromethane	15.9		1.0	0.45
108-05-4	Vinyl acetate	20.2		2.0	0.19
75-01-4	Vinyl chloride	20.3		0.50	0.20
75-65-0	tert-Butyl alcohol	264		20	1.7
1330-20-7	Xylenes, Total	43.9		2.0	0.15
124-48-1	Dibromochloromethane	19.7		1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-440294/5

Matrix: Water Lab File ID: U1915204.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 06/26/2020 16:46

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.: 440294 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		75-130
460-00-4	4-Bromofluorobenzene (Surr)	102		47-134
2037-26-5	Toluene-d8 (Surr)	107		69-122
1868-53-7	Dibromofluoromethane (Surr)	92		78-129

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\U1915204.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Jun-2020 16:46:51 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099563-005
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 15:04:00 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 17:20:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.665	5.665	0.000	99	1152700	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.500	8.500	0.000	84	817375	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.895	10.883	0.012	92	438156	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.061	5.049	0.012	94	284552	20.0	18.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.357	5.357	0.000	95	310607	20.0	17.4	
$ 6 Toluene-d8 (Surr)	98	7.112	7.112	0.000	92	1053779	20.0	21.5	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.686	0.000	92	376031	20.0	20.4	
9 Dichlorodifluoromethane	85	1.610	1.610	0.000	99	330590	20.0	14.9	
10 Chloromethane	50	1.823	1.823	0.000	99	332727	20.0	20.0	
11 Butadiene	54	1.918	1.906	0.012	87	337533	20.0	20.3	
12 Vinyl chloride	62	1.930	1.930	0.000	98	348368	20.0	20.3	
13 Bromomethane	94	2.238	2.226	0.012	90	245556	20.0	18.2	
15 Chloroethane	64	2.309	2.309	0.000	99	223069	20.0	20.9	
16 Dichlorofluoromethane	67	2.511	2.511	0.000	98	493024	20.0	18.7	
17 Trichlorofluoromethane	101	2.582	2.570	0.012	98	457740	20.0	15.9	
18 Ethyl ether	59	2.819	2.819	0.000	88	248900	20.0	24.0	
19 Acrolein	56	2.938	2.938	0.000	99	140653	100.0	54.9	
20 1,1-Dichloroethene	61	3.057	3.045	0.012	97	410647	20.0	19.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.068	3.057	0.011	90	296131	20.0	20.0	
22 Acetone	43	3.080	3.080	0.000	100	258102	40.0	57.1	
24 Iodomethane	142	3.211	3.199	0.012	98	477422	20.0	17.8	
25 Carbon disulfide	76	3.270	3.270	0.000	98	901260	20.0	20.8	
27 3-Chloro-1-propene	41	3.377	3.365	0.012	92	373467	20.0	18.3	
28 Methyl acetate	43	3.389	3.389	0.000	96	578296	40.0	43.1	
29 Methylene Chloride	49	3.507	3.483	0.024	87	336953	20.0	20.5	
30 2-Methyl-2-propanol	59	3.590	3.578	0.012	98	411882	200.0	263.9	
31 Acrylonitrile	53	3.697	3.697	0.000	99	1573461	200.0	271.5	
32 trans-1,2-Dichloroethene	61	3.732	3.732	0.000	86	404894	20.0	20.7	
33 Methyl tert-butyl ether	73	3.744	3.744	0.000	95	742669	20.0	18.6	
34 Hexane	57	3.993	3.982	0.011	88	421550	20.0	20.8	
35 1,1-Dichloroethane	63	4.112	4.112	0.000	97	489213	20.0	21.0	
36 Vinyl acetate	43	4.159	4.148	0.011	97	540853	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
41 cis-1,2-Dichloroethene	96	4.634	4.634	0.000	80	342432	20.0	20.6	
42 2,2-Dichloropropane	77	4.646	4.634	0.012	82	262068	20.0	18.7	
40 2-Butanone (MEK)	72	4.634	4.634	0.000	95	119785	40.0	44.0	
46 Chlorobromomethane	49	4.847	4.847	0.000	87	219180	20.0	19.5	
47 Tetrahydrofuran	42	4.895	4.883	0.012	84	254533	40.0	42.7	
48 Chloroform	83	4.918	4.906	0.012	93	501915	20.0	19.6	
49 1,1,1-Trichloroethane	97	5.096	5.084	0.012	98	427879	20.0	17.8	
50 Cyclohexane	84	5.156	5.144	0.012	86	459646	20.0	20.9	
51 1,1-Dichloropropene	75	5.239	5.227	0.012	99	401258	20.0	19.8	
52 Carbon tetrachloride	117	5.239	5.239	0.000	98	383993	20.0	16.6	
53 Isobutyl alcohol	41	5.298	5.298	0.000	94	427467	500.0	675.3	
54 Benzene	78	5.416	5.416	0.000	95	1193757	20.0	21.8	
55 1,2-Dichloroethane	62	5.428	5.428	0.000	97	358426	20.0	17.3	
57 n-Heptane	57	5.654	5.642	0.012	80	201173	20.0	15.3	
59 Trichloroethene	130	5.997	5.997	0.000	97	324820	20.0	17.8	
61 Methylcyclohexane	83	6.175	6.175	0.000	90	496959	20.0	18.8	
62 1,2-Dichloropropane	63	6.199	6.187	0.012	97	274771	20.0	21.6	
65 1,4-Dioxane	88	6.306	6.306	0.000	90	104125	400.0	756.1	
64 Dibromomethane	174	6.306	6.306	0.000	95	210147	20.0	16.1	
66 Dichlorobromomethane	83	6.436	6.436	0.000	99	373074	20.0	18.6	
68 2-Chloroethyl vinyl ether	63	6.697	6.697	0.000	92	191178	20.0	18.7	
69 cis-1,3-Dichloropropene	75	6.851	6.851	0.000	98	433997	20.0	19.5	
70 4-Methyl-2-pentanone (MIBK)	43	6.982	6.982	0.000	94	720264	40.0	39.0	
71 Toluene	91	7.171	7.171	0.000	98	1241924	20.0	22.5	
72 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	90	362673	20.0	18.4	
73 Ethyl methacrylate	69	7.444	7.444	0.000	86	387700	20.0	21.8	
74 1,1,2-Trichloroethane	97	7.539	7.539	0.000	91	259366	20.0	22.3	
76 1,3-Dichloropropane	76	7.705	7.705	0.000	88	428814	20.0	21.8	
75 Tetrachloroethene	166	7.705	7.705	0.000	95	321599	20.0	18.2	
77 2-Hexanone	43	7.776	7.776	0.000	93	530676	40.0	41.2	
79 Chlorodibromomethane	129	7.930	7.930	0.000	90	288051	20.0	19.7	
81 Ethylene Dibromide	107	8.049	8.049	0.000	98	278880	20.0	20.4	
83 Chlorobenzene	112	8.535	8.535	0.000	96	779668	20.0	20.6	
84 1,1,1,2-Tetrachloroethane	131	8.606	8.606	0.000	96	275920	20.0	20.2	
85 Ethylbenzene	106	8.642	8.630	0.012	98	415646	20.0	21.0	
86 m-Xylene & p-Xylene	106	8.749	8.749	0.000	100	521458	20.0	21.7	
87 o-Xylene	106	9.152	9.152	0.000	96	507872	20.0	22.2	
88 Styrene	104	9.164	9.164	0.000	93	850156	20.0	21.7	
89 Bromoform	173	9.353	9.353	0.000	98	212558	20.0	17.7	
90 Isopropylbenzene	105	9.531	9.531	0.000	95	1313095	20.0	21.4	
93 1,1,2,2-Tetrachloroethane	83	9.816	9.816	0.000	94	428227	20.0	25.4	
95 Bromobenzene	156	9.852	9.852	0.000	91	326765	20.0	19.4	
97 trans-1,4-Dichloro-2-butene	53	9.875	9.875	0.000	80	113818	20.0	19.0	
96 1,2,3-Trichloropropane	110	9.875	9.875	0.000	83	136167	20.0	21.3	
98 N-Propylbenzene	120	9.946	9.946	0.000	99	367461	20.0	21.7	
100 2-Chlorotoluene	126	10.041	10.041	0.000	97	310526	20.0	21.7	
101 1,3,5-Trimethylbenzene	105	10.136	10.124	0.012	95	1076638	20.0	22.1	
102 4-Chlorotoluene	126	10.160	10.160	0.000	98	328694	20.0	21.2	
103 tert-Butylbenzene	119	10.468	10.468	0.000	91	913928	20.0	19.7	
105 1,2,4-Trimethylbenzene	105	10.527	10.527	0.000	96	1100569	20.0	22.3	
106 sec-Butylbenzene	105	10.705	10.705	0.000	94	1325150	20.0	21.3	
107 1,3-Dichlorobenzene	146	10.824	10.824	0.000	98	617699	20.0	20.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	10.848	10.848	0.000	97	1126219	20.0	20.6	
109 1,4-Dichlorobenzene	146	10.919	10.919	0.000	95	626317	20.0	19.6	
112 n-Butylbenzene	91	11.286	11.286	0.000	98	955624	20.0	21.3	
113 1,2-Dichlorobenzene	146	11.310	11.310	0.000	98	588840	20.0	21.0	
114 1,2-Dibromo-3-Chloropropane	157	12.128	12.128	0.000	90	115049	20.0	21.4	
116 1,2,4-Trichlorobenzene	180	13.018	13.018	0.000	94	322273	20.0	17.2	
117 Hexachlorobutadiene	225	13.208	13.208	0.000	97	140218	20.0	14.6	
118 Naphthalene	128	13.279	13.279	0.000	97	1130798	20.0	21.8	
119 1,2,3-Trichlorobenzene	180	13.540	13.540	0.000	96	322980	20.0	19.2	
S 124 Total BTEX	1				0		100.0	109.1	
S 125 Trihalomethanes, Total	1				0		80.0	75.7	
S 128 Xylenes, Total	106				0		40.0	43.9	

Reagents:

vmfasgw_00365	Amount Added:	16.00	Units: uL	
vmfasaw_00333	Amount Added:	16.00	Units: uL	
vmfaspw_00356	Amount Added:	16.00	Units: uL	
vm50ss_stk_00085	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00174	Amount Added:	0.00	Units:	Run Reagent
vm40ml_vials_00015	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00006	Amount Added:	2.00	Units: uL	Run Reagent

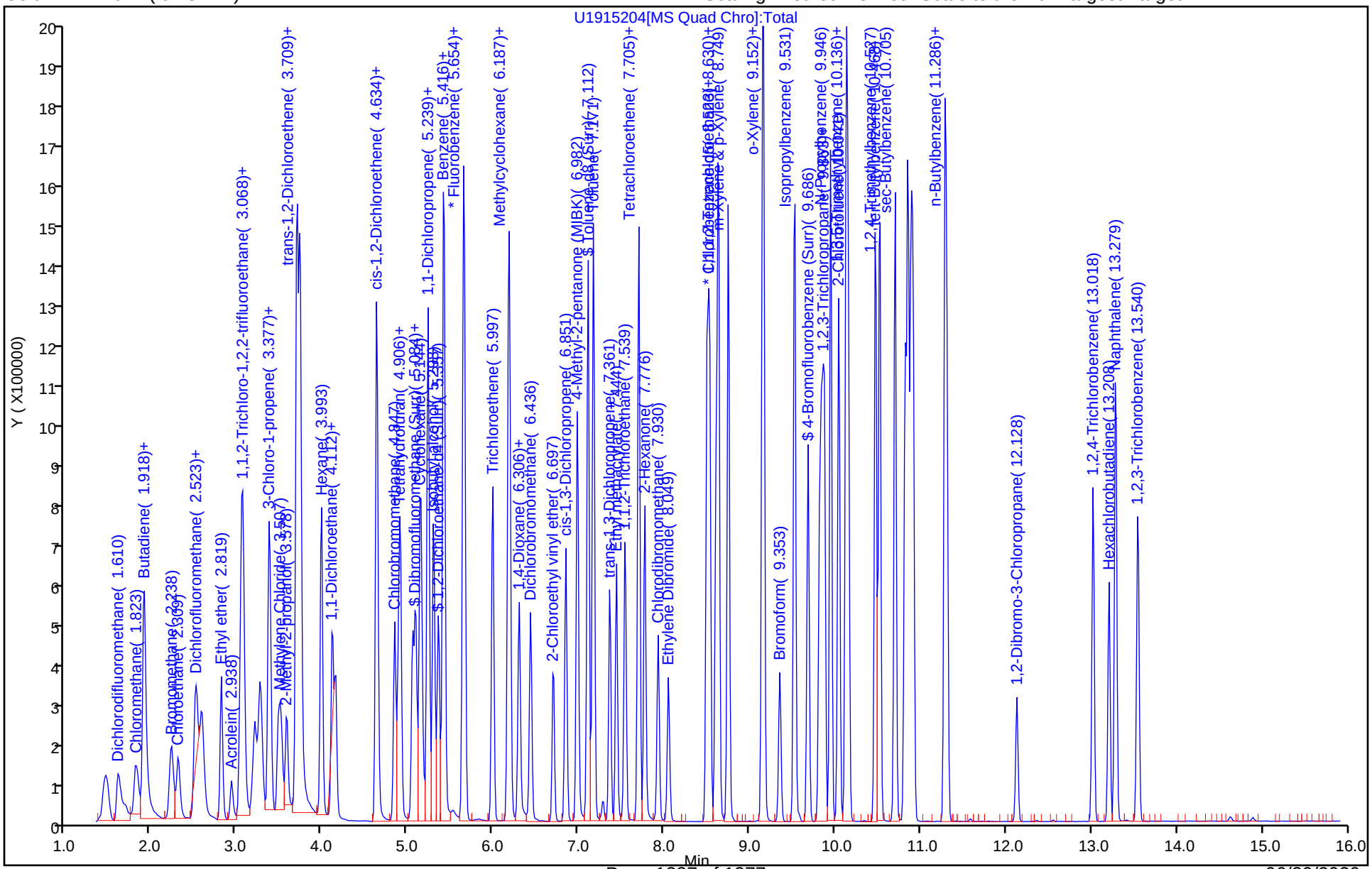
Report Date: 26-Jun-2020 17:20:25 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\U1915204.d

Injection Date:	26-Jun-2020 16:46:51	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\U1915204.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Jun-2020 16:46:51 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0099563-005
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20200626-99563.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jun-2020 15:04:00 Calib Date: 09-Jun-2020 21:22:13
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20200609-98977.b\U1914735.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1007

First Level Reviewer: laveyt Date: 26-Jun-2020 17:20:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.3	91.70
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	17.4	87.15
$ 6 Toluene-d8 (Surr)	20.0	21.5	107.50
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.4	101.94

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX19 Start Date: 07/24/2018 17:22

Analysis Batch Number: 337766 End Date: 07/24/2018 21:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-337766/1		07/24/2018 17:22	1	bfb036.d	DB-624 0.18(mm)
STD8260 240-337766/2 IC		07/24/2018 17:50	1	U1900783.d	DB-624 0.18(mm)
STD8260 240-337766/3 IC		07/24/2018 18:13	1	U1900784.d	DB-624 0.18(mm)
STD8260 240-337766/9 IC		07/24/2018 18:35	1	U1900790.d	DB-624 0.18(mm)
ICIS 240-337766/10		07/24/2018 18:57	1	U1900791.d	DB-624 0.18(mm)
STD8260 240-337766/11 IC		07/24/2018 19:20	1	U1900792.d	DB-624 0.18(mm)
STD8260 240-337766/12 IC		07/24/2018 19:42	1	U1900793.d	DB-624 0.18(mm)
STD8260 240-337766/13 IC		07/24/2018 20:04	1	U1900794.d	DB-624 0.18(mm)
ICV 240-337766/14		07/24/2018 20:26	1		DB-624 0.18(mm)
MRL 240-337766/15 MDLV		07/24/2018 20:48	1		DB-624 0.18(mm)
MDLV 240-337766/16		07/24/2018 21:10	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX19 Start Date: 07/25/2018 11:28

Analysis Batch Number: 337917 End Date: 07/25/2018 19:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-337917/1		07/25/2018 11:28	1	bfb037.d	DB-624 0.18(mm)
CCVIS 240-337917/3		07/25/2018 12:17	1		DB-624 0.18(mm)
ZZZZZ		07/25/2018 12:39	1		DB-624 0.18(mm)
STDA9 240-337917/8 IC		07/25/2018 13:24	1	U1900802.d	DB-624 0.18(mm)
STDA9 240-337917/9 IC		07/25/2018 13:46	1	U1900803.d	DB-624 0.18(mm)
STDA9 240-337917/10 IC		07/25/2018 14:08	1	U1900804.d	DB-624 0.18(mm)
STDA9 240-337917/11 IC		07/25/2018 14:30	1	U1900805.d	DB-624 0.18(mm)
STDA9 240-337917/12 IC		07/25/2018 14:52	1	U1900806.d	DB-624 0.18(mm)
STDA9 240-337917/13 IC		07/25/2018 15:15	1	U1900807.d	DB-624 0.18(mm)
ICV 240-337917/14		07/25/2018 15:37	1	U1900808.d	DB-624 0.18(mm)
MRL 240-337917/15 MDLV		07/25/2018 15:59	1		DB-624 0.18(mm)
ZZZZZ		07/25/2018 16:21	1		DB-624 0.18(mm)
ZZZZZ		07/25/2018 16:44	1		DB-624 0.18(mm)
ZZZZZ		07/25/2018 17:06	1		DB-624 0.18(mm)
ZZZZZ		07/25/2018 17:29	1		DB-624 0.18(mm)
ZZZZZ		07/25/2018 17:51	1		DB-624 0.18(mm)
ZZZZZ		07/25/2018 18:13	1		DB-624 0.18(mm)
ZZZZZ		07/25/2018 18:35	1		DB-624 0.18(mm)
ZZZZZ		07/25/2018 18:57	1		DB-624 0.18(mm)
ZZZZZ		07/25/2018 19:20	1		DB-624 0.18(mm)
ZZZZZ		07/25/2018 19:42	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX19 Start Date: 08/27/2018 16:23

Analysis Batch Number: 342719 End Date: 08/27/2018 20:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-342719/1		08/27/2018 16:23	1	bfb058.d	DB-624 0.18(mm)
CCV 240-342719/2		08/27/2018 16:46	1		DB-624 0.18(mm)
STD8260 240-342719/7 IC		08/27/2018 17:09	1	U1901323.d	DB-624 0.18(mm)
STD8260 240-342719/8 IC		08/27/2018 17:31	1	U1901324.d	DB-624 0.18(mm)
STD8260 240-342719/9 IC		08/27/2018 17:53	1	U1901325.d	DB-624 0.18(mm)
ICIS 240-342719/10		08/27/2018 18:16	1	U1901326.d	DB-624 0.18(mm)
STD8260 240-342719/11 IC		08/27/2018 18:38	1	U1901327.d	DB-624 0.18(mm)
STD8260 240-342719/12 IC		08/27/2018 19:01	1	U1901328.d	DB-624 0.18(mm)
STD8260 240-342719/13 IC		08/27/2018 19:23	1	U1901329.d	DB-624 0.18(mm)
ICV 240-342719/14		08/27/2018 19:45	1	U1901330.d	DB-624 0.18(mm)
MRL 240-342719/15 MDLV		08/27/2018 20:07	1		DB-624 0.18(mm)
MDLV 240-342719/16		08/27/2018 20:30	1		DB-624 0.18(mm)
ZZZZZ		08/27/2018 20:52	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX12 Start Date: 04/30/2019 13:47

Analysis Batch Number: 378870 End Date: 04/30/2019 21:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-378870/1		04/30/2019 13:47	1	BFB4108.D	DB-624 0.18(mm)
STD8260 240-378870/8 IC		04/30/2019 14:10	1	U1269795.D	DB-624 0.18(mm)
STD8260 240-378870/9 IC		04/30/2019 14:33	1	U1269796.D	DB-624 0.18(mm)
STD8260 240-378870/10 IC		04/30/2019 14:55	1	U1269797.D	DB-624 0.18(mm)
ICIS 240-378870/11		04/30/2019 15:17	1	U1269798.D	DB-624 0.18(mm)
STD8260 240-378870/12 IC		04/30/2019 15:39	1	U1269799.D	DB-624 0.18(mm)
STD8260 240-378870/13 IC		04/30/2019 16:02	1	U1269800.D	DB-624 0.18(mm)
STD8260 240-378870/14 IC		04/30/2019 16:24	1	U1269801.D	DB-624 0.18(mm)
ICV 240-378870/15		04/30/2019 16:46	1	U1269802.D	DB-624 0.18(mm)
MRL 240-378870/16 MDLV		04/30/2019 17:09	1		DB-624 0.18(mm)
STDA9 240-378870/18 IC		04/30/2019 17:52	1	U1269805.D	DB-624 0.18(mm)
STDA9 240-378870/19 IC		04/30/2019 18:14	1	U1269806a.D	DB-624 0.18(mm)
STDA9 240-378870/20 IC		04/30/2019 18:37	1	U1269807.D	DB-624 0.18(mm)
STDA9 240-378870/21 IC		04/30/2019 18:59	1	U1269808.D	DB-624 0.18(mm)
STDA9 240-378870/22 IC		04/30/2019 19:21	1	U1269809.D	DB-624 0.18(mm)
STDA9 240-378870/23 IC		04/30/2019 19:43	1	U1269810.D	DB-624 0.18(mm)
STDA9 240-378870/24 IC		04/30/2019 20:05	1	U1269811.D	DB-624 0.18(mm)
ICV 240-378870/25		04/30/2019 20:27	1	U1269812.D	DB-624 0.18(mm)
MRL 240-378870/26 MDLV		04/30/2019 20:50	1		DB-624 0.18(mm)
ZZZZZ		04/30/2019 21:12	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX16 Start Date: 05/18/2020 08:55

Analysis Batch Number: 434666 End Date: 05/18/2020 16:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-434666/1		05/18/2020 08:55	1	BFB6395.D	DB-624 0.18(mm)
STD8260 240-434666/9 IC		05/18/2020 09:45	1	UXM27982.D	DB-624 0.18(mm)
STD8260 240-434666/10 IC		05/18/2020 10:10	1	UXM27983.D	DB-624 0.18(mm)
STD8260 240-434666/11 IC		05/18/2020 10:34	1	UXM27984.D	DB-624 0.18(mm)
ICIS 240-434666/12		05/18/2020 10:59	1	UXM27985.D	DB-624 0.18(mm)
STD8260 240-434666/13 IC		05/18/2020 11:24	1	UXM27986.D	DB-624 0.18(mm)
STD8260 240-434666/14 IC		05/18/2020 11:48	1	UXM27987.D	DB-624 0.18(mm)
STD8260 240-434666/15 IC		05/18/2020 12:13	1	UXM27988.D	DB-624 0.18(mm)
ICV 240-434666/16		05/18/2020 12:38	1		DB-624 0.18(mm)
STDA9 240-434666/19 IC		05/18/2020 13:52	1	UXM27992.D	DB-624 0.18(mm)
STDA9 240-434666/20 IC		05/18/2020 14:17	1	UXM27993.D	DB-624 0.18(mm)
STDA9 240-434666/21 IC		05/18/2020 14:42	1	UXM27994.D	DB-624 0.18(mm)
STDA9 240-434666/22 IC		05/18/2020 15:07	1	UXM27995.D	DB-624 0.18(mm)
STDA9 240-434666/23 IC		05/18/2020 15:31	1	UXM27996.D	DB-624 0.18(mm)
STDA9 240-434666/24 IC		05/18/2020 15:56	1	UXM27997.D	DB-624 0.18(mm)
ICV 240-434666/25		05/18/2020 16:21	1	UXM27998.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX16 Start Date: 06/24/2020 09:03

Analysis Batch Number: 439793 End Date: 06/24/2020 12:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-439793/1		06/24/2020 09:03	1	BFB6434.D	DB-624 0.18(mm)
STD8260 240-439793/9 IC		06/24/2020 09:52	1	UXM29196.D	DB-624 0.18(mm)
STD8260 240-439793/10 IC		06/24/2020 10:16	1	UXM29197.D	DB-624 0.18(mm)
STD8260 240-439793/11 IC		06/24/2020 10:41	1	UXM29198.D	DB-624 0.18(mm)
ICIS 240-439793/12		06/24/2020 11:05	1	UXM29199.D	DB-624 0.18(mm)
STD8260 240-439793/13 IC		06/24/2020 11:29	1	UXM29200.D	DB-624 0.18(mm)
STD8260 240-439793/14 IC		06/24/2020 11:53	1	UXM29201.D	DB-624 0.18(mm)
STD8260 240-439793/15 IC		06/24/2020 12:17	1	UXM29202.D	DB-624 0.18(mm)
ICV 240-439793/16		06/24/2020 12:42	1	UXM29203.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX16 Start Date: 06/26/2020 00:02

Analysis Batch Number: 440070 End Date: 06/26/2020 10:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-440070/1		06/26/2020 00:02	1	BFB6437.D	DB-624 0.18(mm)
CCVIS 240-440070/3		06/26/2020 00:26	1	UXM29279.D	DB-624 0.18(mm)
CCV 240-440070/4		06/26/2020 00:50	1	UXM29280.D	DB-624 0.18(mm)
LCS 240-440070/5		06/26/2020 01:15	1	UXM29281.D	DB-624 0.18(mm)
MRL 240-440070/6 MDLV		06/26/2020 01:40	1		DB-624 0.18(mm)
MRL 240-440070/7 MDLV		06/26/2020 02:04	1		DB-624 0.18(mm)
MB 240-440070/8		06/26/2020 02:29	1	UXM29284.D	DB-624 0.18(mm)
240-131928-18		06/26/2020 02:54	1	UXM29285.D	DB-624 0.18(mm)
240-131928-19		06/26/2020 03:19	1	UXM29286.D	DB-624 0.18(mm)
240-131928-20		06/26/2020 03:43	1	UXM29287.D	DB-624 0.18(mm)
240-131928-21		06/26/2020 04:08	1	UXM29288.D	DB-624 0.18(mm)
240-131928-22		06/26/2020 04:33	1	UXM29289.D	DB-624 0.18(mm)
240-131928-23		06/26/2020 04:58	1	UXM29290.D	DB-624 0.18(mm)
240-131928-24		06/26/2020 05:23	1	UXM29291.D	DB-624 0.18(mm)
240-131928-25		06/26/2020 05:48	1	UXM29292.D	DB-624 0.18(mm)
240-131928-26		06/26/2020 06:13	1	UXM29293.D	DB-624 0.18(mm)
240-131928-27		06/26/2020 06:38	1	UXM29294.D	DB-624 0.18(mm)
240-131928-28		06/26/2020 07:02	1	UXM29295.D	DB-624 0.18(mm)
240-131928-29		06/26/2020 07:26	1	UXM29296.D	DB-624 0.18(mm)
240-131928-30		06/26/2020 07:51	1	UXM29297.D	DB-624 0.18(mm)
240-131928-31		06/26/2020 08:16	1	UXM29298.D	DB-624 0.18(mm)
240-131928-32		06/26/2020 08:41	1	UXM29299.D	DB-624 0.18(mm)
240-131928-33		06/26/2020 09:05	1	UXM29300.D	DB-624 0.18(mm)
240-131928-34		06/26/2020 09:30	1	UXM29301.D	DB-624 0.18(mm)
240-131928-35		06/26/2020 09:55	1	UXM29302.D	DB-624 0.18(mm)
240-131928-36		06/26/2020 10:19	1	UXM29303.D	DB-624 0.18(mm)
240-131928-37		06/26/2020 10:44	1	UXM29304.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX12 Start Date: 06/25/2020 15:52

Analysis Batch Number: 440074 End Date: 06/26/2020 03:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-440074/1		06/25/2020 15:52	1	BFB4419.D	DB-624 0.18(mm)
CCV 240-440074/3		06/25/2020 16:14	1	U1278701.D	DB-624 0.18(mm)
CCVIS 240-440074/4		06/25/2020 16:36	1	U1278702.D	DB-624 0.18(mm)
LCS 240-440074/5		06/25/2020 16:58	1	U1278703a.D	DB-624 0.18(mm)
MRL 240-440074/6 MDLV		06/25/2020 17:21	1		DB-624 0.18(mm)
MRL 240-440074/7 MDLV		06/25/2020 17:43	1		DB-624 0.18(mm)
MB 240-440074/8		06/25/2020 18:06	1	U1278706.D	DB-624 0.18(mm)
MRL 240-440074/9 MDLV		06/25/2020 18:28	1		DB-624 0.18(mm)
ZZZZZ		06/25/2020 18:51	2.5		DB-624 0.18(mm)
ZZZZZ		06/25/2020 19:13	5		DB-624 0.18(mm)
ZZZZZ		06/25/2020 19:35	5000		DB-624 0.18(mm)
ZZZZZ		06/25/2020 19:57	2000		DB-624 0.18(mm)
ZZZZZ		06/25/2020 20:20	2		DB-624 0.18(mm)
ZZZZZ		06/25/2020 20:42	20		DB-624 0.18(mm)
ZZZZZ		06/25/2020 21:05	1		DB-624 0.18(mm)
ZZZZZ		06/25/2020 21:27	1		DB-624 0.18(mm)
ZZZZZ		06/25/2020 21:50	1		DB-624 0.18(mm)
ZZZZZ		06/25/2020 22:12	1		DB-624 0.18(mm)
ZZZZZ		06/25/2020 22:57	1		DB-624 0.18(mm)
ZZZZZ		06/25/2020 23:19	1		DB-624 0.18(mm)
ZZZZZ		06/25/2020 23:42	1		DB-624 0.18(mm)
ZZZZZ		06/26/2020 00:04	1		DB-624 0.18(mm)
ZZZZZ		06/26/2020 00:27	1		DB-624 0.18(mm)
ZZZZZ		06/26/2020 00:49	1		DB-624 0.18(mm)
ZZZZZ		06/26/2020 01:12	1		DB-624 0.18(mm)
240-131928-12		06/26/2020 01:34	1	U1278726.D	DB-624 0.18(mm)
240-131928-13		06/26/2020 01:56	1	U1278727.D	DB-624 0.18(mm)
240-131928-14		06/26/2020 02:19	1	U1278728.D	DB-624 0.18(mm)
240-131928-15		06/26/2020 02:41	1	U1278729.D	DB-624 0.18(mm)
240-131928-16		06/26/2020 03:04	1	U1278730.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX19 Start Date: 06/25/2020 15:47

Analysis Batch Number: 440080 End Date: 06/26/2020 03:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-440080/1		06/25/2020 15:47	1	bfb554.d	DB-624 0.18(mm)
CCV 240-440080/3		06/25/2020 16:09	1	U1915172.d	DB-624 0.18(mm)
CCVIS 240-440080/4		06/25/2020 16:32	1	U1915173.d	DB-624 0.18(mm)
LCS 240-440080/5		06/25/2020 16:55	1	U1915174.d	DB-624 0.18(mm)
MRL 240-440080/6 MDLV		06/25/2020 17:17	1		DB-624 0.18(mm)
MRL 240-440080/7 MDLV		06/25/2020 17:40	1		DB-624 0.18(mm)
MB 240-440080/8		06/25/2020 18:02	1	U1915177.d	DB-624 0.18(mm)
MRL 240-440080/9 MDLV		06/25/2020 18:25	1		DB-624 0.18(mm)
ZZZZZ		06/25/2020 18:47	2		DB-624 0.18(mm)
ZZZZZ		06/25/2020 19:10	5		DB-624 0.18(mm)
ZZZZZ		06/25/2020 19:32	5		DB-624 0.18(mm)
ZZZZZ		06/25/2020 19:55	5		DB-624 0.18(mm)
ZZZZZ		06/25/2020 20:40	1		DB-624 0.18(mm)
ZZZZZ		06/25/2020 21:02	1		DB-624 0.18(mm)
ZZZZZ		06/25/2020 21:25	1		DB-624 0.18(mm)
ZZZZZ		06/25/2020 21:48	5		DB-624 0.18(mm)
ZZZZZ		06/25/2020 22:10	1		DB-624 0.18(mm)
ZZZZZ		06/25/2020 22:55	1		DB-624 0.18(mm)
240-131928-1		06/25/2020 23:18	1	U1915191.d	DB-624 0.18(mm)
240-131928-2		06/25/2020 23:40	1	U1915192.d	DB-624 0.18(mm)
240-131928-3		06/26/2020 00:03	1	U1915193.d	DB-624 0.18(mm)
240-131928-4		06/26/2020 00:25	1	U1915194.d	DB-624 0.18(mm)
240-131928-5		06/26/2020 00:47	1	U1915195.d	DB-624 0.18(mm)
240-131928-6		06/26/2020 01:10	1	U1915196.d	DB-624 0.18(mm)
240-131928-7		06/26/2020 01:33	1	U1915197.d	DB-624 0.18(mm)
240-131928-8		06/26/2020 01:55	1	U1915198.d	DB-624 0.18(mm)
240-131928-9		06/26/2020 02:18	1	U1915199.d	DB-624 0.18(mm)
240-131928-10		06/26/2020 02:40	1	U1915200.d	DB-624 0.18(mm)
240-131928-11		06/26/2020 03:02	1	U1915201.d	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Instrument ID: A3UX19 Start Date: 06/26/2020 15:38

Analysis Batch Number: 440294 End Date: 06/27/2020 02:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-440294/1		06/26/2020 15:38	1	bfb555.d	DB-624 0.18(mm)
CCV 240-440294/3		06/26/2020 16:01	1	U1915202.d	DB-624 0.18(mm)
CCVIS 240-440294/4		06/26/2020 16:24	1	U1915203.d	DB-624 0.18(mm)
LCS 240-440294/5		06/26/2020 16:46	1	U1915204.d	DB-624 0.18(mm)
MRL 240-440294/6 MDLV		06/26/2020 17:09	1		DB-624 0.18(mm)
MRL 240-440294/7 MDLV		06/26/2020 17:31	1		DB-624 0.18(mm)
MB 240-440294/8		06/26/2020 17:54	1	U1915207.d	DB-624 0.18(mm)
MRL 240-440294/9 MDLV		06/26/2020 18:16	1		DB-624 0.18(mm)
240-131928-17		06/27/2020 00:39	1	U1915225.d	DB-624 0.18(mm)
ZZZZZ		06/27/2020 01:02	1		DB-624 0.18(mm)
ZZZZZ		06/27/2020 01:24	1		DB-624 0.18(mm)
ZZZZZ		06/27/2020 01:46	1		DB-624 0.18(mm)
ZZZZZ		06/27/2020 02:09	10		DB-624 0.18(mm)
ZZZZZ		06/27/2020 02:31	20		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 337917 Batch Start Date: 07/25/18 11:28 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_A 00001	vm50ss_stk 00077	vmbfb 00020	VMFASA9W 00194
BFB 240-337917/1		8260C		5 mL	5 mL			1 uL	
STDA9 240-337917/8 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-337917/9 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-337917/10 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-337917/11 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-337917/12 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-337917/13 IC		8260C		5 mL	5 mL	2 uL			
ICV 240-337917/14		8260C		5 mL	5 mL	2 uL	2 uL		16 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmra9w 00259					
BFB 240-337917/1		8260C							
STDA9 240-337917/8 IC		8260C		64 uL					
STDA9 240-337917/9 IC		8260C		32 uL					
STDA9 240-337917/10 IC		8260C		16 uL					
STDA9 240-337917/11 IC		8260C		8 uL					
STDA9 240-337917/12 IC		8260C		0.8 uL					
STDA9 240-337917/13 IC		8260C		0.4 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, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 337917 Batch Start Date: 07/25/18 11:28 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmra9w 00259					
ICV 240-337917/14		8260C							

Batch Notes	
pH Indicator ID	HC746949

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 VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 342719 Batch Start Date: 08/27/18 16:23 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_A 00001	vm50ss 00333	vm50ss_stk 00077	vmarolistdw 00260
BFB 240-342719/1		8260C		5 mL	5 mL				
STD8260 240-342719/7 IC		8260C		5 mL	5 mL	2 uL	64 uL		64 uL
STD8260 240-342719/8 IC		8260C		5 mL	5 mL	2 uL	48 uL		48 uL
STD8260 240-342719/9 IC		8260C		5 mL	5 mL	2 uL	32 uL		32 uL
ICIS 240-342719/10		8260C		5 mL	5 mL	2 uL	16 uL		16 uL
STD8260 240-342719/11 IC		8260C		5 mL	5 mL	2 uL	8 uL		8 uL
STD8260 240-342719/12 IC		8260C		5 mL	5 mL	2 uL	0.8 uL		0.8 uL
STD8260 240-342719/13 IC		8260C		5 mL	5 mL	2 uL	0.4 uL		0.4 uL
ICV 240-342719/14		8260C		5 mL	5 mL	2 uL		2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00020	vmfasaw 00246	vmfasgw 00271	vmfaspw 00264	vmrgas 00259	vmrprimw 00297
BFB 240-342719/1		8260C		1 uL					
STD8260 240-342719/7 IC		8260C						64 uL	64 uL
STD8260 240-342719/8 IC		8260C						48 uL	48 uL
STD8260 240-342719/9 IC		8260C						32 uL	32 uL
ICIS 240-342719/10		8260C						16 uL	16 uL
STD8260 240-342719/11 IC		8260C						8 uL	8 uL
STD8260 240-342719/12 IC		8260C						0.8 uL	0.8 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, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 342719 Batch Start Date: 08/27/18 16:23 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00020	vmfasaw 00246	vmfasgw 00271	vmfaspw 00264	vmrgas 00259	vmrprimw 00297
STD8260 240-342719/13 IC		8260C						0.4 uL	0.4 uL
ICV 240-342719/14		8260C			16 uL	16 uL	16 uL		

Batch Notes	

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 VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 378870 Batch Start Date: 04/30/19 13:47 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_A 00003	vm50ss 00362	vm50ss_stk 00080	vmarolistdw 00294
BFB 240-378870/1		8260C		5 mL	5 mL				
STD8260 240-378870/8 IC		8260C		5 mL	5 mL	2 uL	64 uL		64 uL
STD8260 240-378870/9 IC		8260C		5 mL	5 mL	2 uL	48 uL		48 uL
STD8260 240-378870/10 IC		8260C		5 mL	5 mL	2 uL	32 uL		32 uL
ICIS 240-378870/11		8260C		5 mL	5 mL	2 uL	16 uL		16 uL
STD8260 240-378870/12 IC		8260C		5 mL	5 mL	2 uL	8 uL		8 uL
STD8260 240-378870/13 IC		8260C		5 mL	5 mL	2 uL	0.8 uL		0.8 uL
STD8260 240-378870/14 IC		8260C		5 mL	5 mL	2 uL	0.4 uL		0.4 uL
ICV 240-378870/15		8260C		5 mL	5 mL	2 uL		2 uL	
STDA9 240-378870/18 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-378870/19 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-378870/20 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-378870/21 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-378870/22 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-378870/23 IC		8260C		5 mL	5 mL	2 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, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 378870 Batch Start Date: 04/30/19 13:47 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_A 00003	vm50ss 00362	vm50ss_stk 00080	vmarolistdw 00294
STDA9 240-378870/24 IC		8260C		5 mL	5 mL	2 uL			
ICV 240-378870/25		8260C		5 mL	5 mL	2 uL		2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00021	VMFASA9W 00228	vmfasaw 00277	vmfasgw 00307	vmfaspw 00297	vmra9w 00295
BFB 240-378870/1		8260C		1 uL					
STD8260 240-378870/8 IC		8260C							
STD8260 240-378870/9 IC		8260C							
STD8260 240-378870/10 IC		8260C							
ICIS 240-378870/11		8260C							
STD8260 240-378870/12 IC		8260C							
STD8260 240-378870/13 IC		8260C							
STD8260 240-378870/14 IC		8260C							
ICV 240-378870/15		8260C				16 uL	16 uL	16 uL	
STDA9 240-378870/18 IC		8260C							64 uL
STDA9 240-378870/19 IC		8260C							48 uL
STDA9 240-378870/20 IC		8260C							32 uL
STDA9 240-378870/21 IC		8260C							16 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, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 378870 Batch Start Date: 04/30/19 13:47 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00021	VMFASA9W 00228	vmfasaw 00277	vmfasgw 00307	vmfaspw 00297	vmra9w 00295
STDA9 240-378870/22 IC		8260C							8 uL
STDA9 240-378870/23 IC		8260C							0.8 uL
STDA9 240-378870/24 IC		8260C							0.4 uL
ICV 240-378870/25		8260C			16 uL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrgas 00291	vmrprimw 00331				
BFB 240-378870/1		8260C							
STD8260 240-378870/8 IC		8260C		64 uL	64 uL				
STD8260 240-378870/9 IC		8260C		48 uL	48 uL				
STD8260 240-378870/10 IC		8260C		32 uL	32 uL				
ICIS 240-378870/11		8260C		16 uL	16 uL				
STD8260 240-378870/12 IC		8260C		8 uL	8 uL				
STD8260 240-378870/13 IC		8260C		0.8 uL	0.8 uL				
STD8260 240-378870/14 IC		8260C		0.4 uL	0.4 uL				
ICV 240-378870/15		8260C							
STDA9 240-378870/18 IC		8260C							
STDA9 240-378870/19 IC		8260C							

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, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 378870 Batch Start Date: 04/30/19 13:47 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrgas 00291	vmrprimw 00331				
STDA9 240-378870/20 IC		8260C							
STDA9 240-378870/21 IC		8260C							
STDA9 240-378870/22 IC		8260C							
STDA9 240-378870/23 IC		8260C							
STDA9 240-378870/24 IC		8260C							
ICV 240-378870/25		8260C							

Batch Notes	

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 VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 434666 Batch Start Date: 05/18/20 08:55 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_a 00006	vm50ss 00401	vm50ss_stk 00083	vmarolistdw 00345
BFB 240-434666/1		8260C		5 mL	5 mL				
STD8260 240-434666/9 IC		8260C		5 mL	5 mL	2 uL	64 uL		64 uL
STD8260 240-434666/10 IC		8260C		5 mL	5 mL	2 uL	48 uL		48 uL
STD8260 240-434666/11 IC		8260C		5 mL	5 mL	2 uL	32 uL		32 uL
ICIS 240-434666/12		8260C		5 mL	5 mL	2 uL	16 uL		16 uL
STD8260 240-434666/13 IC		8260C		5 mL	5 mL	2 uL	8 uL		8 uL
STD8260 240-434666/14 IC		8260C		5 mL	5 mL	2 uL	0.8 uL		0.8 uL
STD8260 240-434666/15 IC		8260C		5 mL	5 mL	2 uL	0.4 uL		0.4 uL
STDA9 240-434666/19 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-434666/20 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-434666/21 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-434666/22 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-434666/23 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-434666/24 IC		8260C		5 mL	5 mL	2 uL			
ICV 240-434666/25		8260C		5 mL	5 mL	2 uL		2 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, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 434666 Batch Start Date: 05/18/20 08:55 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00024	vmfasa9w 00276	vmra9w 00344	vmrgas 00339	vmrprimw 00386	
BFB 240-434666/1		8260C		1 uL					
STD8260 240-434666/9 IC		8260C					64 uL	64 uL	
STD8260 240-434666/10 IC		8260C					48 uL	48 uL	
STD8260 240-434666/11 IC		8260C					32 uL	32 uL	
ICIS 240-434666/12		8260C					16 uL	16 uL	
STD8260 240-434666/13 IC		8260C					8 uL	8 uL	
STD8260 240-434666/14 IC		8260C					0.8 uL	0.8 uL	
STD8260 240-434666/15 IC		8260C					0.4 uL	0.4 uL	
STDA9 240-434666/19 IC		8260C				64 uL			
STDA9 240-434666/20 IC		8260C				32 uL			
STDA9 240-434666/21 IC		8260C				16 uL			
STDA9 240-434666/22 IC		8260C				8 uL			
STDA9 240-434666/23 IC		8260C				0.8 uL			
STDA9 240-434666/24 IC		8260C				0.4 uL			
ICV 240-434666/25		8260C			16 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, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 434666 Batch Start Date: 05/18/20 08:55 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Batch Notes	

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 VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 439793 Batch Start Date: 06/24/20 09:03 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_a 00006	vm50ss 00408	vm50ss_stk 00083	vmarolistdw 00349
BFB 240-439793/1		8260C		5 mL	5 mL				
STD8260 240-439793/9 IC		8260C		5 mL	5 mL	2 uL	64 uL		64 uL
STD8260 240-439793/10 IC		8260C		5 mL	5 mL	2 uL	48 uL		48 uL
STD8260 240-439793/11 IC		8260C		5 mL	5 mL	2 uL	32 uL		32 uL
ICIS 240-439793/12		8260C		5 mL	5 mL	2 uL	16 uL		16 uL
STD8260 240-439793/13 IC		8260C		5 mL	5 mL	2 uL	8 uL		8 uL
STD8260 240-439793/14 IC		8260C		5 mL	5 mL	2 uL	0.8 uL		0.8 uL
STD8260 240-439793/15 IC		8260C		5 mL	5 mL	2 uL	0.4 uL		0.4 uL
ICV 240-439793/16		8260C		5 mL	5 mL	2 uL		2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00025	vmfasaw 00333	vmfasgw 00364	vmfaspw 00355	vmrgas 00344	vmrprimw 00391
BFB 240-439793/1		8260C		1 uL					
STD8260 240-439793/9 IC		8260C						64 uL	64 uL
STD8260 240-439793/10 IC		8260C						48 uL	48 uL
STD8260 240-439793/11 IC		8260C						32 uL	32 uL
ICIS 240-439793/12		8260C						16 uL	16 uL
STD8260 240-439793/13 IC		8260C						8 uL	8 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, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 439793 Batch Start Date: 06/24/20 09:03 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00025	vmfasaw 00333	vmfasgw 00364	vmfaspw 00355	vmrgas 00344	vmrprimw 00391
STD8260 240-439793/14 IC		8260C						0.8 uL	0.8 uL
STD8260 240-439793/15 IC		8260C						0.4 uL	0.4 uL
ICV 240-439793/16		8260C			16 uL	16 uL	16 uL		

Batch Notes	

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 VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 440070 Batch Start Date: 06/26/20 00:02 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm100is_stk_A 00005	vm50is_stk_a 00006	vm50ss_stk 00085
BFB 240-440070/1		8260C		5 mL	5 mL				
CCVIS 240-440070/3		8260C		5 mL	5 mL			2 uL	2 uL
CCV 240-440070/4		8260C		5 mL	5 mL		1 uL		
LCS 240-440070/5		8260C		5 mL	5 mL			2 uL	2 uL
MB 240-440070/8		8260C		5 mL	5 mL			2 uL	2 uL
240-131928-B-18	MSA-SW42B-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-19	MSA-SW42C-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-20	MSA-SW42D-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-21	MSA-SW43A-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-22	MSA-SW43B--061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-23	MSA-SW43C-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-24	MSA-SW43D-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-25	MSA-SW44A-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-26	MSA-SW44B-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-27	MSA-SW44C-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-28	MSA-SW44D-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-29	TB--061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-30	MSA-SW46A-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-31	MSA-SW47A-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-32	MSA-SW48A-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-33	MSA-SW49A--061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-34	EL-SW01A-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-35	EL-SW01B-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-36	EL-SW01C-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL
240-131928-B-37	EL-SW01D-061520	8260C	T	5 mL	5 mL	<2 SU		2 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmarolistdw 00349	vmbfb 00025	vmfasaw 00333	vmfasgw 00364	vmfaspw 00355	vmra9w 00350

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, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 440070 Batch Start Date: 06/26/20 00:02 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmarolistdw 00349	vmbfb 00025	vmfasaw 00333	vmfasgw 00364	vmfaspw 00355	vmra9w 00350
BFB 240-440070/1		8260C			1 uL				
CCVIS 240-440070/3		8260C		16 uL					
CCV 240-440070/4		8260C							16 uL
LCS 240-440070/5		8260C				16 uL	16 uL	16 uL	
MB 240-440070/8		8260C							
240-131928-B-18	MSA-SW42B-061520	8260C	T						
240-131928-B-19	MSA-SW42C-061520	8260C	T						
240-131928-B-20	MSA-SW42D-061520	8260C	T						
240-131928-B-21	MSA-SW43A-061520	8260C	T						
240-131928-B-22	MSA-SW43B--061520	8260C	T						
240-131928-B-23	MSA-SW43C-061520	8260C	T						
240-131928-B-24	MSA-SW43D-061520	8260C	T						
240-131928-B-25	MSA-SW44A-061520	8260C	T						
240-131928-B-26	MSA-SW44B-061520	8260C	T						
240-131928-B-27	MSA-SW44C-061520	8260C	T						
240-131928-B-28	MSA-SW44D-061520	8260C	T						
240-131928-B-29	TB--061520	8260C	T						
240-131928-B-30	MSA-SW46A-061520	8260C	T						
240-131928-B-31	MSA-SW47A-061520	8260C	T						
240-131928-B-32	MSA-SW48A-061520	8260C	T						
240-131928-B-33	MSA-SW49A--061520	8260C	T						
240-131928-B-34	EL-SW01A-061520	8260C	T						
240-131928-B-35	EL-SW01B-061520	8260C	T						
240-131928-B-36	EL-SW01C-061520	8260C	T						
240-131928-B-37	EL-SW01D-061520	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrgas 00344	vmrprimw 00391				

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, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 440070 Batch Start Date: 06/26/20 00:02 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrgas 00344	vmrprimw 00391				
BFB 240-440070/1		8260C							
CCVIS 240-440070/3		8260C		16 uL	16 uL				
CCV 240-440070/4		8260C							
LCS 240-440070/5		8260C							
MB 240-440070/8		8260C							
240-131928-B-18	MSA-SW42B-061520	8260C	T						
240-131928-B-19	MSA-SW42C-061520	8260C	T						
240-131928-B-20	MSA-SW42D-061520	8260C	T						
240-131928-B-21	MSA-SW43A-061520	8260C	T						
240-131928-B-22	MSA-SW43B--061520	8260C	T						
240-131928-B-23	MSA-SW43C-061520	8260C	T						
240-131928-B-24	MSA-SW43D-061520	8260C	T						
240-131928-B-25	MSA-SW44A-061520	8260C	T						
240-131928-B-26	MSA-SW44B-061520	8260C	T						
240-131928-B-27	MSA-SW44C-061520	8260C	T						
240-131928-B-28	MSA-SW44D-061520	8260C	T						
240-131928-B-29	TB--061520	8260C	T						
240-131928-B-30	MSA-SW46A-061520	8260C	T						
240-131928-B-31	MSA-SW47A-061520	8260C	T						
240-131928-B-32	MSA-SW48A-061520	8260C	T						
240-131928-B-33	MSA-SW49A--061520	8260C	T						
240-131928-B-34	EL-SW01A-061520	8260C	T						
240-131928-B-35	EL-SW01B-061520	8260C	T						
240-131928-B-36	EL-SW01C-061520	8260C	T						
240-131928-B-37	EL-SW01D-061520	8260C	T						

Batch Notes	
pH Indicator ID	HC861525

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, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 440070 Batch Start Date: 06/26/20 00:02 Batch Analyst: Bosworth, Heather M

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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 440074 Batch Start Date: 06/25/20 15:52 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm50is_stk_a 00006	vm50ss_stk 00085	vmarolistdw 00349
BFB 240-440074/1		8260C		5 mL	5 mL				
CCV 240-440074/3		8260C		5 mL	5 mL		2 uL		
CCVIS 240-440074/4		8260C		5 mL	5 mL		2 uL	2 uL	16 uL
LCS 240-440074/5		8260C		5 mL	5 mL		2 uL	2 uL	
MB 240-440074/8		8260C		5 mL	5 mL		2 uL	2 uL	
240-131928-B-12	MSA-SW40D-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-131928-B-13	MSA-SW41A-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-131928-B-14	MSA-SW41B-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-131928-B-15	MSA-SW41C-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-131928-B-16	MSA-SW41D-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00025	vmfasaw 00333	vmfasgw 00364	vmfaspw 00355	vmra9w 00350	vmrgas 00344
BFB 240-440074/1		8260C		1 uL					
CCV 240-440074/3		8260C						16 uL	
CCVIS 240-440074/4		8260C							16 uL
LCS 240-440074/5		8260C			16 uL	16 uL	16 uL		
MB 240-440074/8		8260C							
240-131928-B-12	MSA-SW40D-061520	8260C	T						
240-131928-B-13	MSA-SW41A-061520	8260C	T						
240-131928-B-14	MSA-SW41B-061520	8260C	T						
240-131928-B-15	MSA-SW41C-061520	8260C	T						
240-131928-B-16	MSA-SW41D-061520	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00391					
BFB 240-440074/1		8260C							

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, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 440074 Batch Start Date: 06/25/20 15:52 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00391					
CCV 240-440074/3		8260C							
CCVIS 240-440074/4		8260C		16 uL					
LCS 240-440074/5		8260C							
MB 240-440074/8		8260C							
240-131928-B-12	MSA-SW40D-061520	8260C	T						
240-131928-B-13	MSA-SW41A-061520	8260C	T						
240-131928-B-14	MSA-SW41B-061520	8260C	T						
240-131928-B-15	MSA-SW41C-061520	8260C	T						
240-131928-B-16	MSA-SW41D-061520	8260C	T						

Batch Notes	
pH Indicator ID	HC861525

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, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 440080 Batch Start Date: 06/25/20 15:47 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm50is_stk_A 00006	vm50ss_stk 00085	vmarolistdw 00349
BFB 240-440080/1		8260C		5 mL	5 mL				
CCV 240-440080/3		8260C		5 mL	5 mL		2 uL		
CCVIS 240-440080/4		8260C		5 mL	5 mL		2 uL	2 uL	16 uL
LCS 240-440080/5		8260C		5 mL	5 mL		2 uL	2 uL	
MB 240-440080/8		8260C		5 mL	5 mL		2 uL	2 uL	
240-131928-B-1	MSA-SW37A-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-131928-B-2	MSA-SW37B-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-131928-B-3	MSA-SW37C-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-131928-B-4	MSA-SW37D-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-131928-B-5	MSA-SW38A-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-131928-B-6	MSA-SW38B-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-131928-B-7	MSA-SW38C-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-131928-B-8	MSA-SW38D-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-131928-B-9	MSA-SW40A-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-131928-B-10	MSA-SW40B-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-131928-B-11	MSA-SW40C-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00025	vmfasaw 00333	vmfasgw 00364	vmfaspw 00355	vmra9w 00350	vmrgas 00344
BFB 240-440080/1		8260C		1 uL					
CCV 240-440080/3		8260C						16 uL	
CCVIS 240-440080/4		8260C							16 uL
LCS 240-440080/5		8260C			16 uL	16 uL	16 uL		
MB 240-440080/8		8260C							
240-131928-B-1	MSA-SW37A-061520	8260C	T						
240-131928-B-2	MSA-SW37B-061520	8260C	T						
240-131928-B-3	MSA-SW37C-061520	8260C	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 440080 Batch Start Date: 06/25/20 15:47 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00025	vmfasaw 00333	vmfasgw 00364	vmfaspw 00355	vmra9w 00350	vmrgas 00344
240-131928-B-4	MSA-SW37D-061520	8260C	T						
240-131928-B-5	MSA-SW38A-061520	8260C	T						
240-131928-B-6	MSA-SW38B-061520	8260C	T						
240-131928-B-7	MSA-SW38C-061520	8260C	T						
240-131928-B-8	MSA-SW38D-061520	8260C	T						
240-131928-B-9	MSA-SW40A-061520	8260C	T						
240-131928-B-10	MSA-SW40B-061520	8260C	T						
240-131928-B-11	MSA-SW40C-061520	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00391					
BFB 240-440080/1		8260C							
CCV 240-440080/3		8260C							
CCVIS 240-440080/4		8260C		16 uL					
LCS 240-440080/5		8260C							
MB 240-440080/8		8260C							
240-131928-B-1	MSA-SW37A-061520	8260C	T						
240-131928-B-2	MSA-SW37B-061520	8260C	T						
240-131928-B-3	MSA-SW37C-061520	8260C	T						
240-131928-B-4	MSA-SW37D-061520	8260C	T						
240-131928-B-5	MSA-SW38A-061520	8260C	T						
240-131928-B-6	MSA-SW38B-061520	8260C	T						
240-131928-B-7	MSA-SW38C-061520	8260C	T						
240-131928-B-8	MSA-SW38D-061520	8260C	T						
240-131928-B-9	MSA-SW40A-061520	8260C	T						
240-131928-B-10	MSA-SW40B-061520	8260C	T						
240-131928-B-11	MSA-SW40C-061520	8260C	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 440080 Batch Start Date: 06/25/20 15:47 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Batch Notes	
pH Indicator ID	HC861525

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, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 440294 Batch Start Date: 06/26/20 15:38 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm50is_stk_A 00006	vm50ss_stk 00085	vmarolistdw 00350
BFB 240-440294/1		8260C		5 mL	5 mL				
CCV 240-440294/3		8260C		5 mL	5 mL		2 uL		
CCVIS 240-440294/4		8260C		5 mL	5 mL		2 uL	2 uL	16 uL
LCS 240-440294/5		8260C		5 mL	5 mL		2 uL	2 uL	
MB 240-440294/8		8260C		5 mL	5 mL		2 uL	2 uL	
240-131928-B-17	MSA-SW42A-061520	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00025	vmfasaw 00333	vmfasgw 00365	vmfaspw 00356	vmra9w 00350	vmrgas 00344
BFB 240-440294/1		8260C		1 uL					
CCV 240-440294/3		8260C						16 uL	
CCVIS 240-440294/4		8260C							16 uL
LCS 240-440294/5		8260C			16 uL	16 uL	16 uL		
MB 240-440294/8		8260C							
240-131928-B-17	MSA-SW42A-061520	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00391					
BFB 240-440294/1		8260C							
CCV 240-440294/3		8260C							
CCVIS 240-440294/4		8260C		16 uL					
LCS 240-440294/5		8260C							
MB 240-440294/8		8260C							
240-131928-B-17	MSA-SW42A-061520	8260C	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-131928-1

SDG No.:

Batch Number: 440294 Batch Start Date: 06/26/20 15:38 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Batch Notes	
pH Indicator ID	HC861525

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Baltimore #201

3-1/4.0

North Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 6/15/2020	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: John McFadden	Carrier: Fedex	1 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W)			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			
(301) 528-3000 FAX	☐ 2 weeks			SDG No.
Project Name: MSA Surface Water Sampling	☐ 1 week Standard			
Site: MSA Frog Mortar Creek	☐ 2 days			
Project # 112IC09023	☐ 1 day			Sampler: J Mullis

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TIC (8260C)	Sample Specific Notes:
MSA-SW37A-061520	6/15/2020	1220	SW	Water	3		x	
MSA-SW37B-061520	6/15/2020	1223	SW	Water	3		x	
MSA-SW37C-061520	6/15/2020	1226	SW	Water	3		x	
MSA-SW37D-061520	6/15/2020	1230	SW	Water	3		x	
MSA-SW38A-061520	6/15/2020	1136	SW	Water	3		x	
MSA-SW38B-061520	6/15/2020	1139	SW	Water	3		x	
MSA-SW38C-061520	6/15/2020	1143	SW	Water	3		x	
MSA-SW38D-061520	6/15/2020	1145	SW	Water	3		x	
MSA-SW40A-061520	6/15/2020	1152	SW	Water	3		x	
MSA-SW40B-061520	6/15/2020	1155	SW	Water	3		x	
MSA-SW40C-061520	6/15/2020	1157	SW	Water	3		x	
MSA-SW40D-061520	6/15/2020	1200	SW	Water	3		x	
							2	

240-131928 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☒ *Non-Hazard* ☐ *Flammable* ☐ *Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: Dissolved Metals and DOC filtered in field

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	IT INC	6/15/20 1530	[signature]	ETA	6/15/20 1830
Relinquished by: [signature]	Company: ETA	Date/Time: 6/15/20 1700	Received by: [signature]	Company: ETA	Date/Time: 6-16-20 1010
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

North Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Baltimore #201

3-1140

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 6/15/2020	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: John McFadden	Carrier: Fedex	2 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W)			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			SDG No.
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: MSA Surface Water Sampling	☐ 1 week Standard			
Site: MSA Frog Mortar Creek	☐ 2 days			Sampler: J Mullis
Project # 112IC09023	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TIC (8260C)	Sample Specific Notes:
MSA-SW41A-061520	6/15/2020	1120	SW	Water	3		x	
MSA-SW41B-061520	6/15/2020	1123	SW	Water	3		x	
MSA-SW41C-061520	6/15/2020	1126	SW	Water	3		x	
MSA-SW41D-061520	6/15/2020	1129	SW	Water	3		x	
MSA-SW42A-061520	6/15/2020	1206	SW	Water	3		x	
MSA-SW42B-061520	6/15/2020	1209	SW	Water	3		x	
MSA-SW42C-061520	6/15/2020	1211	SW	Water	3		x	
MSA-SW42D-061520	6/15/2020	1215	SW	Water	3		x	
MSA-SW43A-061520	6/15/2020	1102	SW	Water	3		x	
MSA-SW43B-061520	6/15/2020	1106	SW	Water	3		x	
MSA-SW43C-061520	6/15/2020	1109	SW	Water	3		x	
MSA-SW43D-061520	6/15/2020	1112	SW	Water	3		x	
							2	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☒ *Non-Hazard* ☐ *Flammable* ☐ *Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: Dissolved Metals and DOC filtered in field

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TT INC	6/15/20 1530	[signature]	ESA	6/15/20 1530
Relinquished by: [signature]	Company: ESA	Date/Time: 6/15/20 1720	Received by: Adam Ramey	Company: ESA	Date/Time: 6-16-20 0:10
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

Baltimore
#201

3.1/4.0

North Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 6/15/2020	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: John McFadden	Carrier: Fedex	3 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W)			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			
(301) 528-3000 FAX	☐ 2 weeks			SDG No.
Project Name: MSA Surface Water Sampling	☐ 1 week			
Site: MSA Frog Mortar Creek	☐ 2 days			
Project # 112IC09023	☐ 1 day			Sampler: J Mullis

Standard

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TIC (8260C)	Sample Specific Notes:
MSA-SW44A-061520	6/15/2020	1048	SW	Water	3		x	
MSA-SW44B-061520	6/15/2020	1050	SW	Water	3		x	
MSA-SW44C-061520	6/15/2020	1053	SW	Water	3		x	
MSA-SW44D-061520	6/15/2020	1056	SW	Water	3		x	
TB-061520	6/15/2020	0000	SW	Water	3		x	
MSA-SW46A-061520	6/15/2020	1202	SW	Water	3		x	
MSA-SW47A-061520	6/15/2020	1147	SW	Water	3		x	
MSA-SW48A-061520	6/15/2020	1133	SW	Water	3		x	
MSA-SW49A-061520	6/15/2020	1115	SW	Water	3		x	
EL-SW01A-061520	6/15/2020	1028	SW	Water	3		x	
EL-SW01B-061520	6/15/2020	1031	SW	Water	3		x	
EL-SW01C-061520	6/15/2020	1034	SW	Water	3		x	
EL-SW01D-061520	6/15/2020	1036	SW	Water	3		x	
							2	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☒ *Non-Hazard* ☐ *Flammable* ☐ *Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: Dissolved Metals and DOC filtered in field

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TT Inc	6/15/20 1530	[signature]	ETA	6/15/20 1830
[signature]	ETA	6/15/20 1200	Adam Pannett	ETA	6-16-20 1010

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # :** _____
Canton Facility

Client TetraTech Site Name _____ Cooler unpacked by: Adam Connelly
Cooler Received on 6-16-20 Opened on 6-16-20
FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other
Receipt After-hours: Drop-off Date/Time _____ Storage Location _____
TestAmerica Cooler # TA Foam Box Client Cooler Box Other _____
Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-10 (CF +0.7 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN #IR-11 (CF +0.9°C) Observed Cooler Temp. 3.1 °C Corrected Cooler Temp. 4.0 °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 — Yes No
   -Were the seals on the outside of the cooler(s) signed & dated? — Yes No NA
   -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? — Yes No
   -Were tamper/custody seals intact and uncompromised? — Yes No NA
3. Shippers' packing slip attached to the cooler(s)? — Yes No
4. Did custody papers accompany the sample(s)? — Yes No
5. Were the custody papers relinquished & signed in the appropriate place? — Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? — Yes No
7. Did all bottles arrive in good condition (Unbroken)? — Yes No
8. Could all bottle labels be reconciled with the COC? — Yes No
9. Were correct bottle(s) used for the test(s) indicated? — Yes No
10. Sufficient quantity received to perform indicated analyses? — Yes No
11. Are these work share samples? — Yes No
    If yes, Questions 12-16 have been checked at the originating laboratory.
12. Were all preserved sample(s) at the correct pH upon receipt? — Yes No NA pH Strip Lot# **HC902937**
13. Were VOAs on the COC? — Yes No
14. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. — Yes No NA
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # Received — Yes No
16. Was a LL Hg or Me Hg trip blank present? _____ Yes No

KBA 6-16-20

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

Client sent only 2 ea TB rather than 3 as stated on COC.

18. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

19. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

APPENDIX C—CHEMICAL-RESULTS DATA TABLE

LOCATION	EL-SW01A	EL-SW01B
SAMPLE ID	EL-SW01A-061520	EL-SW01B-061520
SAMPLE DATE	20200615	20200615
MATRIX	SW	SW
VOLATILES (UG/L)		
1,1,1,2-TETRACHLOROETHANE	0.14 U	0.14 U
1,1,1-TRICHLOROETHANE	0.24 U	0.24 U
1,1,2,2-TETRACHLOROETHANE	0.13 U	0.13 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.41 U	0.41 U
1,1-DICHLOROETHANE	0.17 U	0.17 U
1,1-DICHLOROETHENE	0.19 U	0.19 U
1,1-DICHLOROPROPENE	0.14 U	0.14 U
1,2,3-TRICHLOROBENZENE	0.54 U	0.54 U
1,2,3-TRICHLOROPROPANE	0.24 U	0.24 U
1,2,3-TRIMETHYLBENZENE	0.14 UJ	0.14 UJ
1,2,4-TRICHLOROBENZENE	0.26 U	0.26 U
1,2,4-TRIMETHYLBENZENE	0.07 U	0.07 U
1,2-DIBROMO-3-CHLOROPROPANE	0.91 U	0.91 U
1,2-DIBROMOETHANE	0.12 U	0.12 U
1,2-DICHLOROBENZENE	0.15 U	0.15 U
1,2-DICHLOROETHANE	0.21 U	0.21 U
1,2-DICHLOROPROPANE	0.15 U	0.15 U
1,3-DICHLOROBENZENE	0.15 U	0.15 U
1,3-DICHLOROPROPANE	0.21 U	0.21 U
1,4-DICHLOROBENZENE	0.16 U	0.16 U
2,2-DICHLOROPROPANE	0.31 UJ	0.31 UJ
2-BUTANONE	1.2 UJ	1.2 UJ
2-CHLOROETHYL VINYL ETHER	0.26 UR	0.26 UR
2-CHLOROTOLUENE	0.15 U	0.15 U
2-HEXANONE	0.54 U	0.54 U
4-CHLOROTOLUENE	0.09 U	0.09 U
4-ISOPROPYLTOLUENE	0.13 U	0.13 U
4-METHYL-2-PENTANONE	0.42 U	0.42 U
ACETONE	5.4 UJ	5.4 UJ
BENZENE	0.13 U	0.13 U
BROMOBENZENE	0.12 U	0.12 U
BROMOCHLOROMETHANE	0.14 U	0.14 U
BROMODICHLOROMETHANE	0.17 U	0.17 U
BROMOFORM	0.76 U	0.76 U
BROMOMETHANE	0.42 UJ	0.42 UJ
CARBON DISULFIDE	0.28 U	0.28 U
CARBON TETRACHLORIDE	0.26 U	0.26 U
CHLOROBENZENE	0.14 U	0.14 U
CHLORODIBROMOMETHANE	0.39 U	0.39 U
CHLORODIFLUOROMETHANE	1 UJ	1 UJ
CHLOROETHANE	0.83 U	0.83 U
CHLOROFORM	0.13 U	0.13 U
CHLOROMETHANE	0.2 U	0.2 U
CIS-1,2-DICHLOROETHENE	0.16 U	0.16 U
CIS-1,3-DICHLOROPROPENE	0.61 U	0.61 U

DIBROMOMETHANE	0.09 U	0.09 U
DICHLORODIFLUOROMETHANE	0.35 U	0.35 U
DIISOPROPYL ETHER	0.17 UJ	0.17 UJ
ETHYL TERT-BUTYL ETHER	0.15 U	0.15 U
ETHYLBENZENE	0.11 U	0.11 U
HEXACHLOROBUTADIENE	0.83 U	0.83 U
ISOPROPYLBENZENE	0.09 U	0.09 U
M+P-XYLENES	0.08 U	0.08 U
METHYL TERT-BUTYL ETHER	0.07 U	0.07 U
METHYLENE CHLORIDE	2.6 U	2.6 U
NAPHTHALENE	0.32 U	0.32 U
N-BUTYLBENZENE	0.14 U	0.14 U
N-PROPYLBENZENE	0.15 U	0.15 U
O-XYLENE	0.09 U	0.09 U
SEC-BUTYLBENZENE	0.13 U	0.13 U
STYRENE	0.1 U	0.1 U
TERT-AMYL METHYL ETHER	0.11 UJ	0.11 UJ
TERT-BUTYLBENZENE	0.14 U	0.14 U
TERTIARY-BUTYL ALCOHOL	1.7 UJ	1.7 UJ
TETRACHLOROETHENE	0.15 U	0.15 U
TOLUENE	0.14 U	0.14 U
TOTAL XYLENES	0.15 U	0.15 U
TRANS-1,2-DICHLOROETHENE	0.19 U	0.19 U
TRANS-1,3-DICHLOROPROPENE	0.67 U	0.67 U
TRICHLOROETHENE	0.1 U	0.1 U
TRICHLOROFLUOROMETHANE	0.45 U	0.45 U
VINYL ACETATE	0.19 UJ	0.19 UJ
VINYL CHLORIDE	0.2 U	0.2 U

EL-SW01C EL-SW01C-061520 20200615 SW	EL-SW01D EL-SW01D-061520 20200615 SW	QC TB--061520 20200615 QC	MSA-SW37A MSA-SW37A-061520 20200615 SW	MSA-S MSA-SW38 2020 SW
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.24 U	0.24 U	0.24 U	0.24 U	0.24
0.13 U	0.13 U	0.13 U	0.13 UJ	0.13
0.41 U	0.41 U	0.41 U	0.41 U	0.41
0.17 U	0.17 U	0.17 U	0.17 U	0.17
0.19 U	0.19 U	0.19 U	0.19 U	0.19
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.54 U	0.54 U	0.54 U	0.54 U	0.54
0.24 U	0.24 U	0.24 U	0.24 U	0.24
0.14 UJ	0.14 UJ	0.14 UJ	0.14 U	0.14
0.26 U	0.26 U	0.26 U	0.26 U	0.26
0.07 U	0.07 U	0.07 U	0.07 U	0.07
0.91 U	0.91 U	0.91 U	0.91 U	0.91
0.12 U	0.12 U	0.12 U	0.12 U	0.12
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.21 U	0.21 U	0.21 U	0.21 U	0.21
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.21 U	0.21 U	0.21 U	0.21 U	0.21
0.16 U	0.16 U	0.16 U	0.16 U	0.16
0.31 UJ	0.31 UJ	0.31 UJ	0.31 U	0.31
1.2 UJ	1.2 UJ	1.2 UJ	1.2 U	1.2
0.26 UR	0.26 UR	0.26 UR	0.26 UR	0.26
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.54 U	0.54 U	0.54 U	0.54 U	0.54
0.09 U	0.09 U	0.09 U	0.09 U	0.09
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.42 U	0.42 U	0.42 U	0.42 U	0.42
5.4 UJ	5.4 UJ	5.4 UJ	5.4 UJ	5.4
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.12 U	0.12 U	0.12 U	0.12 U	0.12
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.17 U	0.17 U	0.17 U	0.17 U	0.17
0.76 U	0.76 U	0.76 U	0.76 U	0.76
0.42 UJ	0.42 UJ	0.42 UJ	0.42 U	0.42
0.28 U	0.28 U	0.28 U	0.28 U	0.28
0.26 U	0.26 U	0.26 U	0.26 UJ	0.26
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.39 U	0.39 U	0.39 U	0.39 U	0.39
1 UJ	1 UJ	1 UJ	1 UJ	1
0.83 U	0.83 U	0.83 U	0.83 U	0.83
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.2 U	0.2 U	0.2 U	0.2 U	0.2
0.16 U	0.16 U	0.16 U	0.16 U	0.16
0.61 U	0.61 U	0.61 U	0.61 U	0.61

0.09 U	0.09 U	0.09 U	0.09 UJ	0.09
0.35 U	0.35 U	0.35 U	0.35 UJ	0.35
0.17 UJ	0.17 UJ	0.17 UJ	0.17 U	0.17
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.11 U	0.11 U	0.11 U	0.11 U	0.11
0.83 U	0.83 U	0.83 U	0.83 UJ	0.83
0.09 U	0.09 U	0.09 U	0.09 U	0.09
0.08 U	0.08 U	0.08 U	0.08 U	0.08
0.07 U	0.07 U	0.07 U	0.07 U	0.07
2.6 U	2.6 U	2.6 U	2.6 U	2.6
0.32 U	0.32 U	0.32 U	0.32 U	0.32
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.09 U	0.09 U	0.09 U	0.09 U	0.09
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.1 U	0.1 U	0.1 U	0.1 U	0.1
0.11 UJ	0.11 UJ	0.11 UJ	0.11 U	0.11
0.14 U	0.14 U	0.14 U	0.14 U	0.14
1.7 UJ	1.7 UJ	1.7 UJ	1.7 UJ	1.7
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.19 U	0.19 U	0.19 U	0.19 U	0.19
0.67 U	0.67 U	0.67 U	0.67 U	0.67
0.1 U	0.1 U	0.1 U	0.1 U	0.1
0.45 U	0.45 U	0.45 U	0.45 UJ	0.45
0.19 UJ	0.19 UJ	0.19 UJ	0.19 U	0.19
0.2 U	0.2 U	0.2 U	0.2 U	0.2

W38A 3A-061520 0615 N	MSA-SW40A MSA-SW40A-061520 20200615 SW	MSA-SW41A MSA-SW41A-061520 20200615 SW	MSA-SW42A MSA-SW42A-061520 20200615 SW	MSA-SW43A MSA-SW43A-061520 20200615 SW
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.24 U	0.24 U	0.24 U	0.24 U
UJ	0.13 UJ	0.13 U	0.13 UJ	0.13 U
U	0.41 U	0.41 U	0.41 U	0.41 U
U	0.17 U	0.17 U	0.17 U	0.17 U
U	0.19 U	0.19 U	0.19 U	0.19 U
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.54 U	0.54 U	0.54 U	0.54 U
U	0.24 U	0.24 U	0.24 U	0.24 U
U	0.14 U	0.14 U	0.14 U	0.14 UJ
U	0.26 U	0.26 U	0.26 U	0.26 U
U	0.07 U	0.07 U	0.07 U	0.07 U
U	0.91 U	0.91 U	0.91 U	0.91 U
U	0.12 U	0.12 U	0.12 U	0.12 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.21 U	0.21 U	0.21 U	0.21 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.21 U	0.21 U	0.21 U	0.21 U
U	0.16 U	0.16 U	0.16 U	0.16 U
U	0.31 U	0.31 U	0.31 U	0.31 UJ
U	1.2 U	1.2 U	1.2 U	1.2 UJ
UR	0.26 UR	0.26 UR	0.26 UR	0.26 UR
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.54 U	0.54 U	0.54 U	0.54 U
U	0.09 U	0.09 U	0.09 U	0.09 U
U	0.13 U	0.13 U	0.13 U	0.13 U
U	0.42 U	0.42 U	0.42 U	0.42 U
UJ	5.4 UJ	5.4 U	5.4 UJ	5.4 UJ
U	0.13 U	0.13 U	0.13 U	0.13 U
U	0.12 U	0.12 U	0.12 U	0.12 U
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.17 U	0.17 U	0.17 U	0.17 U
U	0.76 U	0.76 U	0.76 U	0.76 U
U	0.42 U	0.42 U	0.42 U	0.42 UJ
U	0.28 U	0.28 U	0.28 U	0.28 U
UJ	0.26 UJ	0.26 U	0.26 U	0.26 U
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.39 U	0.39 U	0.39 U	0.39 U
UJ	1 UJ	1 UJ	1 UJ	1 UJ
U	0.83 U	0.83 U	0.83 U	0.83 U
U	0.13 U	0.13 U	0.13 U	0.13 U
U	0.2 U	0.2 UJ	0.2 U	0.2 U
U	0.16 U	0.16 U	0.16 U	0.16 U
U	0.61 U	0.61 U	0.61 U	0.61 U

UJ	0.09 UJ	0.09 U	0.09 UJ	0.09 U
UJ	0.35 UJ	0.35 UJ	0.35 UJ	0.35 U
U	0.17 U	0.17 U	0.17 U	0.17 UJ
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.11 U	0.11 U	0.11 U	0.11 U
UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 U
U	0.09 U	0.09 U	0.09 U	0.09 U
U	0.08 U	0.08 U	0.08 U	0.08 U
U	0.07 U	0.07 U	0.07 U	0.07 U
U	2.6 U	2.6 U	2.6 U	2.6 U
U	0.32 U	0.32 U	0.32 U	0.32 U
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.09 U	0.09 U	0.09 U	0.09 U
U	0.13 U	0.13 U	0.13 U	0.13 U
U	0.1 U	0.1 U	0.1 U	0.1 U
U	0.11 U	0.11 U	0.11 U	0.11 UJ
U	0.14 U	0.14 U	0.14 U	0.14 U
UJ	1.7 UJ	1.7 U	1.7 UJ	1.7 UJ
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.19 U	0.19 U	0.19 U	0.19 U
U	0.67 U	0.67 U	0.67 U	0.67 U
U	0.1 U	0.1 U	0.1 U	0.1 U
UJ	0.45 UJ	0.45 U	0.45 U	0.45 U
U	0.19 U	0.19 U	0.19 U	0.19 UJ
U	0.2 U	0.2 U	0.2 U	0.2 U

MSA-SW44A MSA-SW44A-061520 20200615 SW	MSA-SW46A MSA-SW46A-061520 20200615 SW	MSA-SW47A MSA-SW47A-061520 20200615 SW	MSA-SW48A MSA-SW48A-061520 20200615 SW	MSA-S MSA-SW4 2020 S
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.24 U	0.24 U	0.24 U	0.24 U	0.24
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.41 U	0.41 U	0.41 U	0.41 U	0.41
0.17 U	0.17 U	0.17 U	0.17 U	0.17
0.19 U	0.19 U	0.19 U	0.19 U	0.19
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.54 U	0.54 U	0.54 U	0.54 U	0.54
0.24 U	0.24 U	0.24 U	0.24 U	0.24
0.14 UJ	0.14 UJ	0.14 UJ	0.14 UJ	0.14
0.26 U	0.26 U	0.26 U	0.26 U	0.26
0.07 U	0.07 U	0.07 U	0.07 U	0.07
0.91 U	0.91 U	0.91 U	0.91 U	0.91
0.12 U	0.12 U	0.12 U	0.12 U	0.12
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.21 U	0.21 U	0.21 U	0.21 U	0.21
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.21 U	0.21 U	0.21 U	0.21 U	0.21
0.16 U	0.16 U	0.16 U	0.16 U	0.16
0.31 UJ	0.31 UJ	0.31 UJ	0.31 UJ	0.31
1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2
0.26 UR	0.26 UR	0.26 UR	0.26 UR	0.26
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.54 U	0.54 U	0.54 U	0.54 U	0.54
0.09 U	0.09 U	0.09 U	0.09 U	0.09
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.42 U	0.42 U	0.42 U	0.42 U	0.42
5.4 UJ	5.4 UJ	5.4 UJ	5.4 UJ	5.4
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.12 U	0.12 U	0.12 U	0.12 U	0.12
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.17 U	0.17 U	0.17 U	0.17 U	0.17
0.76 U	0.76 U	0.76 U	0.76 U	0.76
0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ	0.42
0.28 U	0.28 U	0.28 U	0.28 U	0.28
0.26 U	0.26 U	0.26 U	0.26 U	0.26
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.39 U	0.39 U	0.39 U	0.39 U	0.39
1 UJ	1 UJ	1 UJ	1 UJ	1
0.83 U	0.83 U	0.83 U	0.83 U	0.83
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.2 U	0.2 U	0.2 U	0.2 U	0.2
0.16 U	0.16 U	0.16 U	0.16 U	0.16
0.61 U	0.61 U	0.61 U	0.61 U	0.61

0.09 U	0.09 U	0.09 U	0.09 U	0.09
0.35 U	0.35 U	0.35 U	0.35 U	0.35
0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.17
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.11 U	0.11 U	0.11 U	0.11 U	0.11
0.83 U	0.83 U	0.83 U	0.83 U	0.83
0.09 U	0.09 U	0.09 U	0.09 U	0.09
0.08 U	0.08 U	0.08 U	0.08 U	0.08
0.07 U	0.07 U	0.07 U	0.07 U	0.07
2.6 U	2.6 U	2.6 U	2.6 U	2.6
0.32 U	0.32 U	0.32 U	0.32 U	0.32
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.09 U	0.09 U	0.09 U	0.09 U	0.09
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.1 U	0.1 U	0.1 U	0.1 U	0.1
0.11 UJ	0.11 UJ	0.11 UJ	0.11 UJ	0.11
0.14 U	0.14 U	0.14 U	0.14 U	0.14
1.7 UJ	1.7 UJ	1.7 UJ	1.7 UJ	1.7
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.19 U	0.19 U	0.19 U	0.19 U	0.19
0.67 U	0.67 U	0.67 U	0.67 U	0.67
0.1 U	0.1 U	0.1 U	0.1 U	0.1
0.45 U	0.45 U	0.45 U	0.45 U	0.45
0.19 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.19
0.2 U	0.2 U	0.2 U	0.2 U	0.2

W49A 9A-061520 0615 *N*	MSA-SW37B MSA-SW37B-061520 20200615 SW	MSA-SW38B MSA-SW38B-061520 20200615 SW	MSA-SW40B MSA-SW40B-061520 20200615 SW	MSA-SW41B MSA-SW41B-061520 20200615 SW
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.24 U	0.24 U	0.24 U	0.24 U
U	0.13 UJ	0.13 UJ	0.13 UJ	0.13 U
U	0.41 U	0.41 U	0.41 U	0.41 U
U	0.17 U	0.17 U	0.17 U	0.17 U
U	0.19 U	0.19 U	0.19 U	0.19 U
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.54 U	0.54 U	0.54 U	0.54 U
U	0.24 U	0.24 U	0.24 U	0.24 U
UJ	0.14 U	0.14 U	0.14 U	0.14 U
U	0.26 U	0.26 U	0.26 U	0.26 U
U	0.07 U	0.07 U	0.07 U	0.07 U
U	0.91 U	0.91 U	0.91 U	0.91 U
U	0.12 U	0.12 U	0.12 U	0.12 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.21 U	0.21 U	0.21 U	0.21 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.21 U	0.21 U	0.21 U	0.21 U
U	0.16 U	0.16 U	0.16 U	0.16 U
UJ	0.31 U	0.31 U	0.31 U	0.31 U
UJ	1.2 U	1.2 U	1.2 U	1.2 U
UR	0.26 UR	0.26 UR	0.26 UR	0.26 UR
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.54 U	0.54 U	0.54 U	0.54 U
U	0.09 U	0.09 U	0.09 U	0.09 U
U	0.13 U	0.13 U	0.13 U	0.13 U
U	0.42 U	0.42 U	0.42 U	0.42 U
UJ	5.4 UJ	5.4 UJ	5.4 UJ	5.4 U
U	0.13 U	0.13 U	0.13 U	0.13 U
U	0.12 U	0.12 U	0.12 U	0.12 U
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.17 U	0.17 U	0.17 U	0.17 U
U	0.76 U	0.76 U	0.76 U	0.76 U
UJ	0.42 U	0.42 U	0.42 U	0.42 U
U	0.28 U	0.28 U	0.28 U	0.28 U
U	0.26 UJ	0.26 UJ	0.26 UJ	0.26 U
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.39 U	0.39 U	0.39 U	0.39 U
UJ	1 UJ	1 UJ	1 UJ	1 UJ
U	0.83 U	0.83 U	0.83 U	0.83 U
U	0.13 U	0.13 U	0.13 U	0.13 U
U	0.2 U	0.2 U	0.2 U	0.2 UJ
U	0.16 U	0.16 U	0.16 U	0.16 U
U	0.61 U	0.61 U	0.61 U	0.61 U

U	0.09 UJ	0.09 UJ	0.09 UJ	0.09 U
U	0.35 UJ	0.35 UJ	0.35 UJ	0.35 UJ
UJ	0.17 U	0.17 U	0.17 U	0.17 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.11 U	0.11 U	0.11 U	0.11 U
U	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ
U	0.09 U	0.09 U	0.09 U	0.09 U
U	0.08 U	0.08 U	0.08 U	0.08 U
U	0.07 U	0.07 U	0.07 U	0.07 U
U	2.6 U	2.6 U	2.6 U	2.6 U
U	0.32 U	0.32 U	0.32 U	0.32 U
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.09 U	0.09 U	0.09 U	0.09 U
U	0.13 U	0.13 U	0.13 U	0.13 U
U	0.1 U	0.1 U	0.1 U	0.1 U
UJ	0.11 U	0.11 U	0.11 U	0.11 U
U	0.14 U	0.14 U	0.14 U	0.14 U
UJ	1.7 UJ	1.7 UJ	1.7 UJ	1.7 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.19 U	0.19 U	0.19 U	0.19 U
U	0.67 U	0.67 U	0.67 U	0.67 U
U	0.1 U	0.1 U	0.1 U	0.1 U
U	0.45 UJ	0.45 UJ	0.45 UJ	0.45 U
UJ	0.19 U	0.19 U	0.19 U	0.19 U
U	0.2 U	0.2 U	0.2 U	0.2 U

MSA-SW42B MSA-SW42B-061520 20200615 SW	MSA-SW43B MSA-SW43B-061520 20200615 SW	MSA-SW44B MSA-SW44B-061520 20200615 SW	MSA-SW37C MSA-SW37C-061520 20200615 SW	MSA-S MSA-SW3 2020 SV
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.24 U	0.24 U	0.24 U	0.24 U	0.24
0.13 U	0.13 U	0.13 U	0.13 UJ	0.13
0.41 U	0.41 U	0.41 U	0.41 U	0.41
0.17 U	0.17 U	0.17 U	0.17 U	0.17
0.19 U	0.19 U	0.19 U	0.19 U	0.19
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.54 U	0.54 U	0.54 U	0.54 U	0.54
0.24 U	0.24 U	0.24 U	0.24 U	0.24
0.14 UJ	0.14 UJ	0.14 UJ	0.14 U	0.14
0.26 U	0.26 U	0.26 U	0.26 U	0.26
0.07 U	0.07 U	0.07 U	0.07 U	0.07
0.91 U	0.91 U	0.91 U	0.91 U	0.91
0.12 U	0.12 U	0.12 U	0.12 U	0.12
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.21 U	0.21 U	0.21 U	0.21 U	0.21
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.21 U	0.21 U	0.21 U	0.21 U	0.21
0.16 U	0.16 U	0.16 U	0.16 U	0.16
0.31 UJ	0.31 UJ	0.31 UJ	0.31 U	0.31
1.2 UJ	1.2 UJ	1.2 UJ	1.2 U	1.2
0.26 UR	0.26 UR	0.26 UR	0.26 UR	0.26
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.54 U	0.54 U	0.54 U	0.54 U	0.54
0.09 U	0.09 U	0.09 U	0.09 U	0.09
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.42 U	0.42 U	0.42 U	0.42 U	0.42
5.4 UJ	5.4 UJ	5.4 UJ	5.4 UJ	5.4
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.12 U	0.12 U	0.12 U	0.12 U	0.12
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.17 U	0.17 U	0.17 U	0.17 U	0.17
0.76 U	0.76 U	0.76 U	0.76 U	0.76
0.42 UJ	0.42 UJ	0.42 UJ	0.42 U	0.42
0.28 U	0.28 U	0.28 U	0.28 U	0.28
0.26 U	0.26 U	0.26 U	0.26 UJ	0.26
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.39 U	0.39 U	0.39 U	0.39 U	0.39
1 UJ	1 UJ	1 UJ	1 UJ	1
0.83 U	0.83 U	0.83 U	0.83 U	0.83
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.2 U	0.2 U	0.2 U	0.2 U	0.2
0.16 U	0.16 U	0.16 U	0.16 U	0.16
0.61 U	0.61 U	0.61 U	0.61 U	0.61

0.09 U	0.09 U	0.09 U	0.09 UJ	0.09
0.35 U	0.35 U	0.35 U	0.35 UJ	0.35
0.17 UJ	0.17 UJ	0.17 UJ	0.17 U	0.17
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.11 U	0.11 U	0.11 U	0.11 U	0.11
0.83 U	0.83 U	0.83 U	0.83 UJ	0.83
0.09 U	0.09 U	0.09 U	0.09 U	0.09
0.08 U	0.08 U	0.08 U	0.08 U	0.08
0.07 U	0.07 U	0.07 U	0.07 U	0.07
2.6 U	2.6 U	2.6 U	2.6 U	2.6
0.32 U	0.32 U	0.32 U	0.32 U	0.32
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.09 U	0.09 U	0.09 U	0.09 U	0.09
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.1 U	0.1 U	0.1 U	0.1 U	0.1
0.11 UJ	0.11 UJ	0.11 UJ	0.11 U	0.11
0.14 U	0.14 U	0.14 U	0.14 U	0.14
1.7 UJ	1.7 UJ	1.7 UJ	1.7 UJ	1.7
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.19 U	0.19 U	0.19 U	0.19 U	0.19
0.67 U	0.67 U	0.67 U	0.67 U	0.67
0.1 U	0.1 U	0.1 U	0.1 U	0.1
0.45 U	0.45 U	0.45 U	0.45 UJ	0.45
0.19 UJ	0.19 UJ	0.19 UJ	0.19 U	0.19
0.2 U	0.2 U	0.2 U	0.2 U	0.2

SW38C 8C-061520 0615 N	MSA-SW40C MSA-SW40C-061520 20200615 SW	MSA-SW41C MSA-SW41C-061520 20200615 SW	MSA-SW42C MSA-SW42C-061520 20200615 SW	MSA-SW43C MSA-SW43C-061520 20200615 SW
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.24 U	0.24 U	0.24 U	0.24 U
UJ	0.13 UJ	0.13 U	0.13 U	0.13 U
U	0.41 U	0.41 U	0.41 U	0.41 U
U	0.17 U	0.17 U	0.17 U	0.17 U
U	0.19 U	0.19 U	0.19 U	0.19 U
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.54 U	0.54 U	0.54 U	0.54 U
U	0.24 U	0.24 U	0.24 U	0.24 U
U	0.14 U	0.14 U	0.14 UJ	0.14 UJ
U	0.26 U	0.26 U	0.26 U	0.26 U
U	0.07 U	0.07 U	0.07 U	0.07 U
U	0.91 U	0.91 U	0.91 U	0.91 U
U	0.12 U	0.12 U	0.12 U	0.12 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.21 U	0.21 U	0.21 U	0.21 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.21 U	0.21 U	0.21 U	0.21 U
U	0.16 U	0.16 U	0.16 U	0.16 U
U	0.31 U	0.31 U	0.31 UJ	0.31 UJ
U	1.2 U	1.2 U	1.2 UJ	1.2 UJ
UR	0.26 UR	0.26 UR	0.26 UR	0.26 UR
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.54 U	0.54 U	0.54 U	0.54 U
U	0.09 U	0.09 U	0.09 U	0.09 U
U	0.13 U	0.13 U	0.13 U	0.13 U
U	0.42 U	0.42 U	0.42 U	0.42 U
UJ	5.4 UJ	5.4 U	5.4 UJ	5.4 UJ
U	0.13 U	0.13 U	0.13 U	0.13 U
U	0.12 U	0.12 U	0.12 U	0.12 U
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.17 U	0.17 U	0.17 U	0.17 U
U	0.76 U	0.76 U	0.76 U	0.76 U
U	0.42 U	0.42 U	0.42 UJ	0.42 UJ
U	0.28 U	0.28 U	0.28 U	0.28 U
UJ	0.26 UJ	0.26 U	0.26 U	0.26 U
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.39 U	0.39 U	0.39 U	0.39 U
UJ	1 UJ	1 UJ	1 UJ	1 UJ
U	0.83 U	0.83 U	0.83 U	0.83 U
U	0.13 U	0.13 U	0.13 U	0.13 U
U	0.2 U	0.2 UJ	0.2 U	0.2 U
U	0.16 U	0.16 U	0.16 U	0.16 U
U	0.61 U	0.61 U	0.61 U	0.61 U

UJ	0.09 UJ	0.09 U	0.09 U	0.09 U
UJ	0.35 UJ	0.35 UJ	0.35 U	0.35 U
U	0.17 U	0.17 U	0.17 UJ	0.17 UJ
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.11 U	0.11 U	0.11 U	0.11 U
UJ	0.83 UJ	0.83 UJ	0.83 U	0.83 U
U	0.09 U	0.09 U	0.09 U	0.09 U
U	0.08 U	0.08 U	0.08 U	0.08 U
U	0.07 U	0.07 U	0.07 U	0.07 U
U	2.6 U	2.6 U	2.6 U	2.6 U
U	0.32 U	0.32 U	0.32 U	0.32 U
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.09 U	0.09 U	0.09 U	0.09 U
U	0.13 U	0.13 U	0.13 U	0.13 U
U	0.1 U	0.1 U	0.1 U	0.1 U
U	0.11 U	0.11 U	0.11 UJ	0.11 UJ
U	0.14 U	0.14 U	0.14 U	0.14 U
UJ	1.7 UJ	1.7 U	1.7 UJ	1.7 UJ
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.14 U	0.14 U	0.14 U	0.14 U
U	0.15 U	0.15 U	0.15 U	0.15 U
U	0.19 U	0.19 U	0.19 U	0.19 U
U	0.67 U	0.67 U	0.67 U	0.67 U
U	0.1 U	0.1 U	0.1 U	0.1 U
UJ	0.45 UJ	0.45 U	0.45 U	0.45 U
U	0.19 U	0.19 U	0.19 UJ	0.19 UJ
U	0.2 U	0.2 U	0.2 U	0.2 U

MSA-SW44C MSA-SW44C-061520 20200615 SW	MSA-SW37D MSA-SW37D-061520 20200615 SW	MSA-SW38D MSA-SW38D-061520 20200615 SW	MSA-SW40D MSA-SW40D-061520 20200615 SW	MSA-S MSA-SW41 2020 SV
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.24 U	0.24 U	0.24 U	0.24 U	0.24
0.13 U	0.13 UJ	0.13 UJ	0.13 U	0.13
0.41 U	0.41 U	0.41 U	0.41 U	0.41
0.17 U	0.17 U	0.17 U	0.17 U	0.17
0.19 U	0.19 U	0.19 U	0.19 U	0.19
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.54 U	0.54 U	0.54 U	0.54 U	0.54
0.24 U	0.24 U	0.24 U	0.24 U	0.24
0.14 UJ	0.14 U	0.14 U	0.14 U	0.14
0.26 U	0.26 U	0.26 U	0.26 U	0.26
0.07 U	0.07 U	0.07 U	0.07 U	0.07
0.91 U	0.91 U	0.91 U	0.91 U	0.91
0.12 U	0.12 U	0.12 U	0.12 U	0.12
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.21 U	0.21 U	0.21 U	0.21 U	0.21
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.21 U	0.21 U	0.21 U	0.21 U	0.21
0.16 U	0.16 U	0.16 U	0.16 U	0.16
0.31 UJ	0.31 U	0.31 U	0.31 U	0.31
1.2 UJ	1.2 U	1.2 U	1.2 U	1.2
0.26 UR	0.26 UR	0.26 UR	0.26 UR	0.26
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.54 U	0.54 U	0.54 U	0.54 U	0.54
0.09 U	0.09 U	0.09 U	0.09 U	0.09
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.42 U	0.42 U	0.42 U	0.42 U	0.42
5.4 UJ	5.4 UJ	5.4 UJ	5.4 U	5.4
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.12 U	0.12 U	0.12 U	0.12 U	0.12
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.17 U	0.17 U	0.17 U	0.17 U	0.17
0.76 U	0.76 U	0.76 U	0.76 U	0.76
0.42 UJ	0.42 U	0.42 U	0.42 U	0.42
0.28 U	0.28 U	0.28 U	0.28 U	0.28
0.26 U	0.26 UJ	0.26 UJ	0.26 U	0.26
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.39 U	0.39 U	0.39 U	0.39 U	0.39
1 UJ	1 UJ	1 UJ	1 UJ	1
0.83 U	0.83 U	0.83 U	0.83 U	0.83
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.2 U	0.2 U	0.2 U	0.2 UJ	0.2
0.16 U	0.16 U	0.16 U	0.16 U	0.16
0.61 U	0.61 U	0.61 U	0.61 U	0.61

0.09 U	0.09 UJ	0.09 UJ	0.09 U	0.09
0.35 U	0.35 UJ	0.35 UJ	0.35 UJ	0.35
0.17 UJ	0.17 U	0.17 U	0.17 U	0.17
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.11 U	0.11 U	0.11 U	0.11 U	0.11
0.83 U	0.83 UJ	0.83 UJ	0.83 UJ	0.83
0.09 U	0.09 U	0.09 U	0.09 U	0.09
0.08 U	0.08 U	0.08 U	0.08 U	0.08
0.07 U	0.07 U	0.07 U	0.07 U	0.07
2.6 U	2.6 U	2.6 U	2.6 U	2.6
0.32 U	0.32 U	0.32 U	0.32 U	0.32
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.09 U	0.09 U	0.09 U	0.09 U	0.09
0.13 U	0.13 U	0.13 U	0.13 U	0.13
0.1 U	0.1 U	0.1 U	0.1 U	0.1
0.11 UJ	0.11 U	0.11 U	0.11 U	0.11
0.14 U	0.14 U	0.14 U	0.14 U	0.14
1.7 UJ	1.7 UJ	1.7 UJ	1.7 U	1.7
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.14 U	0.14 U	0.14 U	0.14 U	0.14
0.15 U	0.15 U	0.15 U	0.15 U	0.15
0.19 U	0.19 U	0.19 U	0.19 U	0.19
0.67 U	0.67 U	0.67 U	0.67 U	0.67
0.1 U	0.1 U	0.1 U	0.1 U	0.1
0.45 U	0.45 UJ	0.45 UJ	0.45 U	0.45
0.19 UJ	0.19 U	0.19 U	0.19 U	0.19
0.2 U	0.2 U	0.2 U	0.2 U	0.2

W41D LD-061520 0615 *N*	MSA-SW42D MSA-SW42D-061520 20200615 SW	MSA-SW43D MSA-SW43D-061520 20200615 SW	MSA-SW44D MSA-SW44D-061520 20200615 SW
U	0.14 U	0.14 U	0.14 U
U	0.24 U	0.24 U	0.24 U
U	0.13 U	0.13 U	0.13 U
U	0.41 U	0.41 U	0.41 U
U	0.17 U	0.17 U	0.17 U
U	0.19 U	0.19 U	0.19 U
U	0.14 U	0.14 U	0.14 U
U	0.54 U	0.54 U	0.54 U
U	0.24 U	0.24 U	0.24 U
U	0.14 UJ	0.14 UJ	0.14 UJ
U	0.26 U	0.26 U	0.26 U
U	0.07 U	0.07 U	0.07 U
U	0.91 U	0.91 U	0.91 U
U	0.12 U	0.12 U	0.12 U
U	0.15 U	0.15 U	0.15 U
U	0.21 U	0.21 U	0.21 U
U	0.15 U	0.15 U	0.15 U
U	0.15 U	0.15 U	0.15 U
U	0.21 U	0.21 U	0.21 U
U	0.16 U	0.16 U	0.16 U
U	0.31 UJ	0.31 UJ	0.31 UJ
U	1.2 UJ	1.2 UJ	1.2 UJ
UR	0.26 UR	0.26 UR	0.26 UR
U	0.15 U	0.15 U	0.15 U
U	0.54 U	0.54 U	0.54 U
U	0.09 U	0.09 U	0.09 U
U	0.13 U	0.13 U	0.13 U
U	0.42 U	0.42 U	0.42 U
U	5.4 UJ	5.4 UJ	5.4 UJ
U	0.13 U	0.13 U	0.13 U
U	0.12 U	0.12 U	0.12 U
U	0.14 U	0.14 U	0.14 U
U	0.17 U	0.17 U	0.17 U
U	0.76 U	0.76 U	0.76 U
U	0.42 UJ	0.42 UJ	0.42 UJ
U	0.28 U	0.28 U	0.28 U
U	0.26 U	0.26 U	0.26 U
U	0.14 U	0.14 U	0.14 U
U	0.39 U	0.39 U	0.39 U
UJ	1 UJ	1 UJ	1 UJ
U	0.83 U	0.83 U	0.83 U
U	0.13 U	0.13 U	0.13 U
UJ	0.2 U	0.2 U	0.2 U
U	0.16 U	0.16 U	0.16 U
U	0.61 U	0.61 U	0.61 U

U	0.09 U	0.09 U	0.09 U
UJ	0.35 U	0.35 U	0.35 U
U	0.17 UJ	0.17 UJ	0.17 UJ
U	0.15 U	0.15 U	0.15 U
U	0.11 U	0.11 U	0.11 U
UJ	0.83 U	0.83 U	0.83 U
U	0.09 U	0.09 U	0.09 U
U	0.08 U	0.08 U	0.08 U
U	0.07 U	0.07 U	0.07 U
U	2.6 U	2.6 U	2.6 U
U	0.32 U	0.32 U	0.32 U
U	0.14 U	0.14 U	0.14 U
U	0.15 U	0.15 U	0.15 U
U	0.09 U	0.09 U	0.09 U
U	0.13 U	0.13 U	0.13 U
U	0.1 U	0.1 U	0.1 U
U	0.11 UJ	0.11 UJ	0.11 UJ
U	0.14 U	0.14 U	0.14 U
U	1.7 UJ	1.7 UJ	1.7 UJ
U	0.15 U	0.15 U	0.15 U
U	0.14 U	0.14 U	0.14 U
U	0.15 U	0.15 U	0.15 U
U	0.19 U	0.19 U	0.19 U
U	0.67 U	0.67 U	0.67 U
U	0.1 U	0.1 U	0.1 U
U	0.45 U	0.45 U	0.45 U
U	0.19 UJ	0.19 UJ	0.19 UJ
U	0.2 U	0.2 U	0.2 U