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January 14, 2022

VIA EMAIL AND PRIVATE CARRIER

Mr. Brian Dietz
Program Administrator Land Restoration Program
Land and Material Administration Maryland Department of the Environment
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Transmittal of Technical Memorandum: August 2021 Surface Water Sampling Results for Frog Mortar Creek
Martin State Airport, 701 Wilson Point Road
Middle River, Maryland

Dear Mr. Dietz,

For your information, please find enclosed two hard copies of the above-referenced document. This prepared 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.

If you have any questions or require any additional information please contact me by phone at (240) 687-1813, or via e-mail at paul.e.calligan@lmco.com.

Sincerely,

Paul E. Calligan

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TECHNICAL MEMORANDUM: AUGUST 2021 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:
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January 2022

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.

TIC	tentatively identified compound
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 August 2021 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 *2021 Surface Water Sampling Work Plan* (Tetra Tech, 2020). This technical memorandum presents the analytical results for surface water samples collected from Frog Mortar Creek on August 17, 2021.

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 may possibly originate from other upgradient sources. Results herein are compared to screening levels intended to protect human health and the environment. These data provide information to:

- characterize surface water quality to determine the concentrations and spatial distributions of volatile organic compounds in Frog Mortar Creek
- 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, the 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 a Maryland Department of the Environment (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 the DRA, 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 1997–2020, 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 *2020 Surface Water Sampling Report for Frog Mortar Creek* (Tetra Tech, 2021), 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 August 2021 data supports this ongoing effort and will also be used to assess the effectiveness of the groundwater 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 August 2021 sampling is the fourth of six surface-water sampling rounds planned for 2021, and assessed water quality during the swimming season, when increased recreational use of Frog Mortar Creek is expected.

3.1 SURFACE WATER SAMPLING

3.1.1 Surface Water Sampling and Chemical Analyses

Thirty-two surface water samples were collected from Frog Mortar Creek adjacent to the DRA site on August 17, 2021. 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 2020 and 2021 surface water sampling program, as the remaining seven transects fully cover the extent of the targeted area east of the DRA. In addition, a transect on the eastern shoreline of Frog Mortar Creek, the Edward Lane transect, has also been historically sampled. In agreement with the Maryland Department of Environment (MDE) Land and Material Administration, the Edwards Lane transect (EL-01A through D) is sampled once a year in June, and accordingly, was sampled during the June 2021 sampling round. Sampling results from this transect have historically been nondetect and results in June 2021 were also nondetect.

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 August 2021 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 from SW46A through SW49A, were analyzed for volatile organic compounds (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. In agreement with MDE, and because hexavalent chromium was not detected during

sampling rounds conducted in 2018 or 2019, hexavalent chromium and dissolved metals were removed from the 2020 and 2021 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 (1.00 meters [3.3 feet] at 0923 hours) and after sampling (0.96 meters [3.14 feet] at 1132 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. August 2021 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 August 17, 2021 from MSA-SW37A is labeled "MSA-SW37A-081721." The trip blank is labeled with a "TB" prefix followed by the sample's six-digit submittal date (e.g., TB-081721).

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 were 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 consisted 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 organic data review (USEPA, 2017) 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.

Collectively, these data are acceptable for their intended uses (site characterization and risk assessment). The data qualifiers (i.e., flags) listed below were applied to the chemical results presented in this report. All flags appear in Appendix B:

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

UJ The analyte was analyzed for but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.

UR The sample result (nondetect) 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.

SECTION 4
RESULTS

4.1 SURFACE WATER DATA AND SCREENING CRITERIA

Validated chemical data from the Frog Mortar Creek surface water samples collected in August 2021 were used to generate a comparison table (Table 4-1) showing trichloroethene (TCE), *cis*-1,2-dichloroethene (*cis*-1,2-DCE), and vinyl chloride (VC) results from the August 2020, July 2021, and August 2021 sampling rounds. Samples collected from transects, including inter-transect locations 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 [TICs]). No VOCs were detected during the August 2021 sampling round. Surface-water sampling results in previous sampling rounds were 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 TCE, *cis*-1,2-DCE, and VC

Site-specific screening levels for swimming for TCE, *cis*-1,2-DCE, and VC were 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.

Since all data discussed herein share the "MSA" prefix, it is dropped when referring to transects or samples (e.g., "SW37" refers to transect MSA-SW37), to improve readability. Likewise, although shown on tables and figures, data qualifiers such as '*J*' are not used in the text discussions to increase readability.

4.2 VOLATILE ORGANIC COMPOUND SURFACE WATER SAMPLING RESULTS

As indicated previously, no VOCs were detected during the August 2021 sampling round or during the previous (July 2021) sampling round. Two VOCs (toluene at four locations, and mixed *m*+*p* xylenes at three locations) were detected during the June 2021 sampling round, but at only trace concentrations (less than 0.2 micrograms per liter [µg/L]) below available chemical-specific screening criteria. A summary of chlorinated VOC (cVOC) analytical results for the August 2021 sampling round, as compared to the previous sampling round in July 2021, and to the sampling round from one year ago (August 2020) can be found in Table 4-1.

4.2.1 Trichloroethene Results

TCE was nondetect at all sampled locations in August 2021, July 2021, and June 2021, and during the first five sampling events last year (i.e., March, June, July, August, and September 2020). These results are consistent with the decreasing trend of TCE observed in Frog Mortar Creek since March 2019. Trace concentrations of TCE, below its lowest (swimming) criteria of 10 µg/L, were last detected at two near-shore locations in December 2020 (0.15 µg/L at SW41A, and 0.29 µg/L at SW49A), and at one location in March 2021 (0.71 µg/L at SW49A). These locations are east of and hydraulically downgradient (slightly south) of several DRA monitoring wells (MW-49S/I/D, MW-50S/I/D, MW-51S/I/D, DMW-4S/I/D, and DMW-5S/I/D) containing some of the highest concentrations of site-related cVOCs in shallow- and intermediate-depth groundwater.

4.2.2 *cis*-1,2-Dichloroethene Results

cis-1,2-DCE was also nondetect at all sampled locations in August 2021, and was nondetect during the last sampling round in July 2021, although it was detected (at concentrations well below the

lowest swimming screening level of 300 µg/L) at 16 locations in March 2021, and at four locations last year in August 2020 (Table 4-1).

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 2021, as *cis*-1,2-DCE concentrations at transect SW42 decreased with increasing distance from the shore, with concentrations of 1.4 µg/L (SW42A), 0.55 µg/L (SW42B), 0.55 µg/L (SW42C), and 0.31 µg/L (SW42D).

4.2.3 Vinyl Chloride Results

VC was also nondetect at all sampled locations in August 2021, July 2021, and June 2021. VC was detected below its lowest screening level (the site-specific swimming level of 0.7 µg/L) at three of 32 locations in August 2020 (Table 4-1). VC was last detected at 19 of 32 locations sampled during the March 2021 round, but only exceeded its lowest screening criterion (0.7 µg/L) at eight locations.

When detected in previous rounds, VC distributions in the higher concentration transects tended to decrease with increasing distance from the shore. This trend was observed in March 2021 as well, with VC concentrations at transect SW42 of 2.1 µg/L (SW42A), 0.88 µg/L (SW42B), 0.86 µg/L (SW42C), and 0.78 µg/L (SW42D).

4.2.4 Tentatively Identified Compound Results

A tentatively identified compounds (TIC) search was performed for the analyte chlorodifluoromethane, but it was not detected in any of the samples analyzed.

SECTION 5
SUMMARY

The Lockheed Martin Corporation August 2021 Frog Mortar Creek surface-water investigation results are summarized below:

- Thirty-two surface water samples were collected on August 17, 2021, 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), for a total of 36 samples.
- Samples collected in August 2021 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, 2017), and the specifics of the analytical methods used.
- Sampling results were 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).
- Trichloroethene, *cis*-1,2-dichloroethene, and vinyl chloride were not detected in all samples collected during the August 2021 sampling round.

- No other volatile organic compounds were detected in August 2021.
- The next surface water sampling event will occur in September 2021.

SECTION 6
REFERENCES

Code of Maryland Regulations (COMAR), 2016. "Numerical Criteria for Toxic Substances in Surface Waters." COMAR Title 26, Subtitle 08, Chapter 02, Regulation 03. http://www.dsd.state.md.us/comar/comarhtml/26/26.08.02.03-2.htm.

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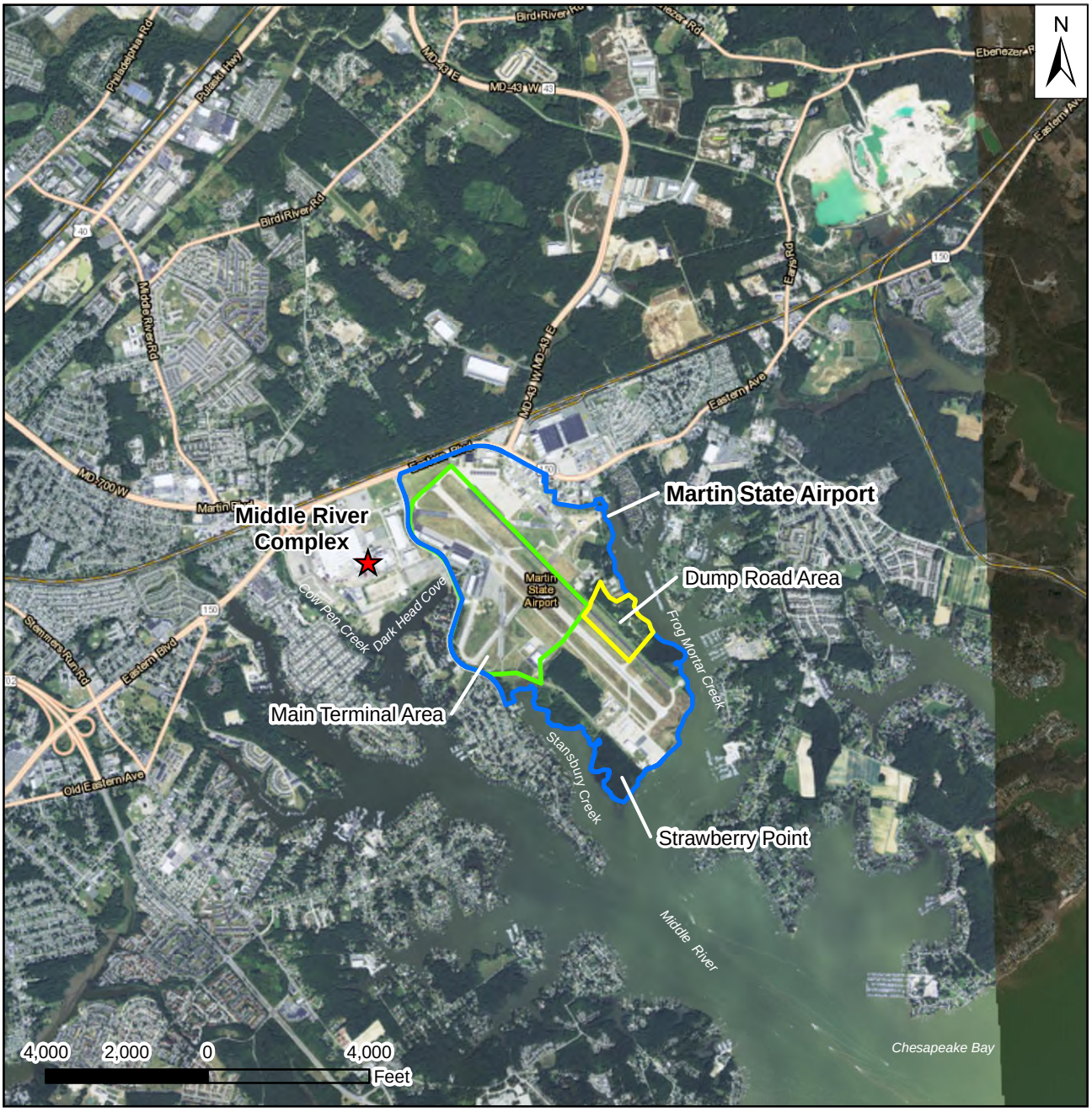
FIGURES

Figure 1-1 Martin State Airport, Site 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 August 2021 Surface Water Sampling Locations, Frog Mortar Creek



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

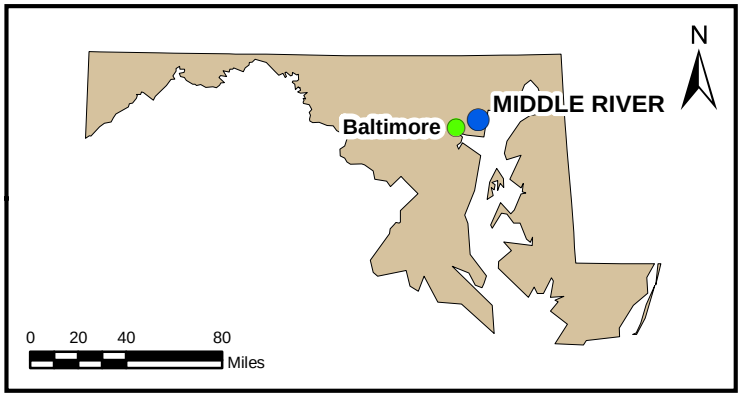


FIGURE 1-1

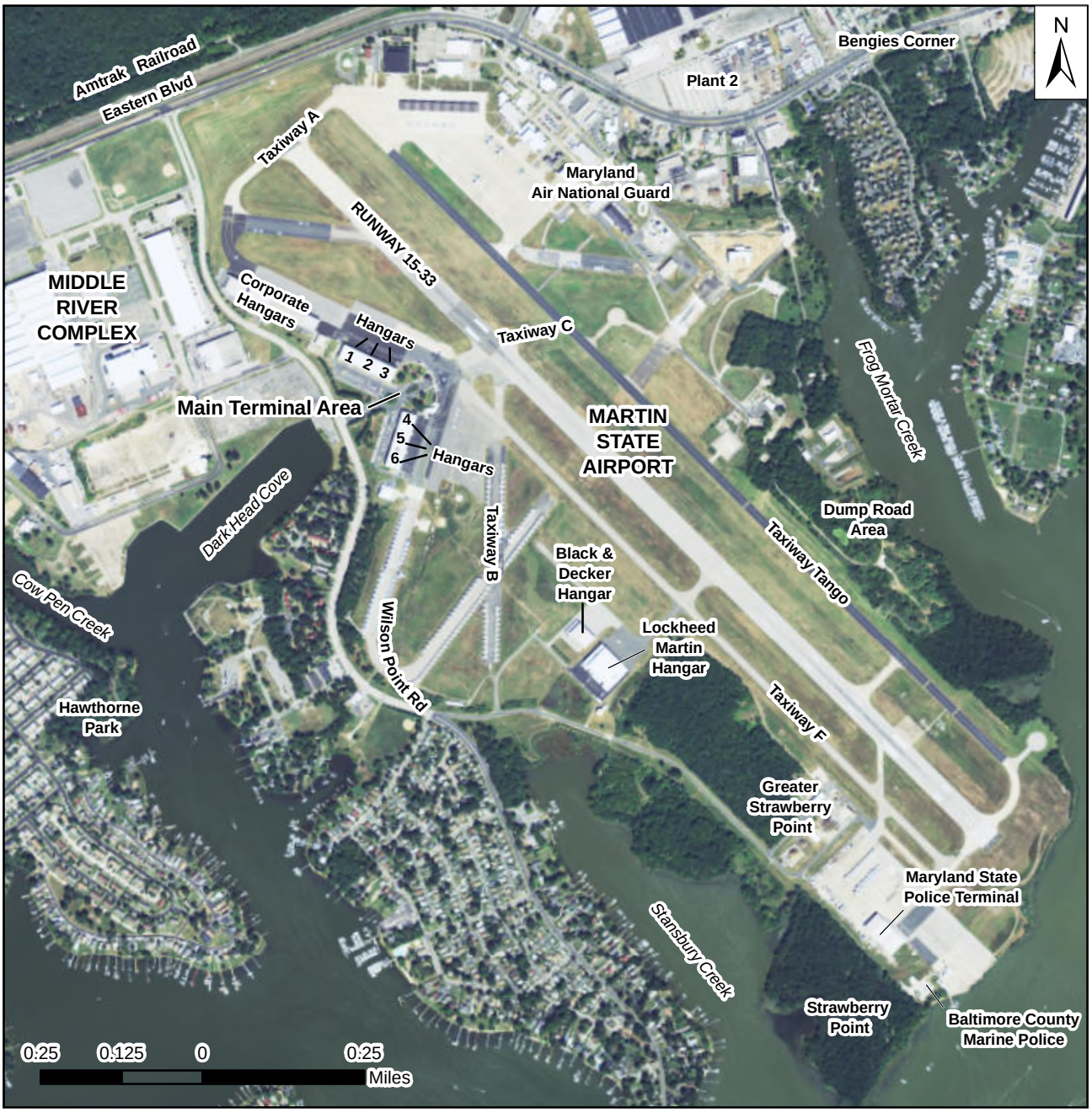
MARTIN STATE AIRPORT
SITE LOCATION MAP

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).

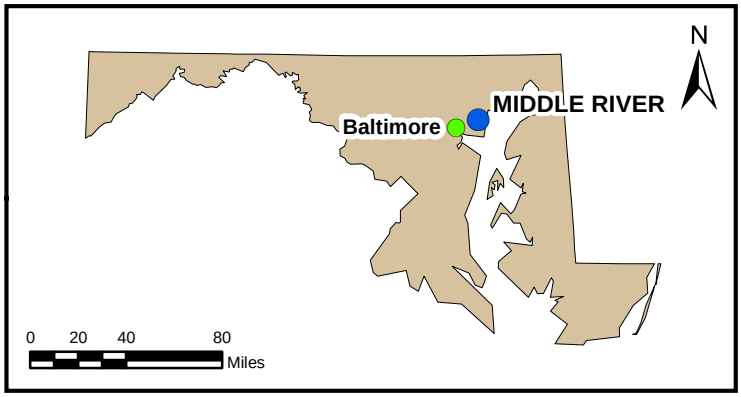


FIGURE 2-1

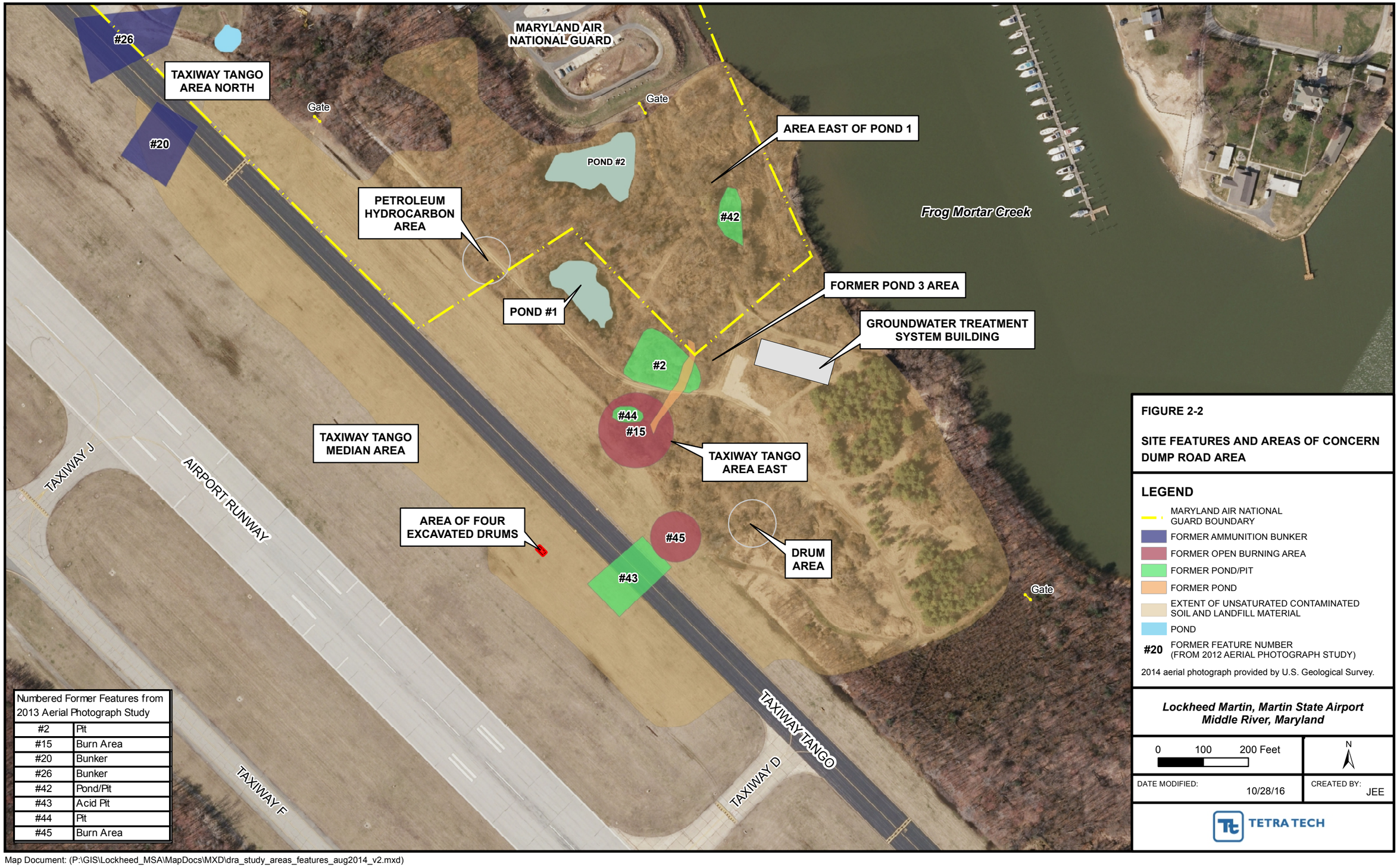
MARTIN STATE AIRPORT AND SURROUNDING FEATURES

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

AUGUST 2021 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

Samples collected August 17, 2021.
2017 aerial photograph provided by the State of Maryland.

Lockheed Martin, Martin State Airport
Middle River, Maryland

0 150 300 Feet

N

DATE MODIFIED: 10/06/21

CREATED BY: JEE

TETRA TECH

Map Document: GER (K:\Patrick\GIS\Lockheed_MSA\MapDocs\MXDs\fmc_sw_samplocs_202107.mxd)
10/06/21 -- PFO

TABLES

Table 3-1 List of Samples and Chemical Analyses for Surface Water— August 2021

Table 4-1 Comparison of Primary Volatile Organic Compound Results Detected in Surface Water for the August 2020, July 2021, August 2021 Sampling Rounds

Table 3-1
List of Samples and Chemical Analyses for Surface Water—August 2021
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	✓
MSA-SW38	✓
MSA-SW40	✓
MSA-SW41	✓
MSA-SW42	✓
MSA-SW43	✓
MSA-SW44	✓
MSA-SW46	✓
MSA-SW47	✓
MSA-SW48	✓
MSA-SW49	✓
EL-SW01[2]	✓[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.

2. The Edwards Lane (EL) transect is only sampled in June, and therefore was not sampled during the current (August 2021) sampling round.

mL – milliliter

USEPA – United States Environmental Protection Agency

Table 4-1
Comparison of Primary Volatile Organic Compound Results Detected in Surface Water in the August 2020, July 2021, and August 2021 Sampling Rounds
Frog Mortar Creek, Martin State Airport
Middle River, Maryland

Location ID	Trichloroethene concentrations (µg/L)			*cis* -1,2-Dichloroethene concentrations (µg/L)			Vinyl chloride concentrations (µg/L)		
	August 12, 2020	July 15, 2021	August 17, 2021	August 12, 2020	July 15, 2021	August 17, 2021	August 12, 2020	July 15, 2021	August 17, 2021
Average-Detections	--	--	--	**0.565**	--	--	**0.56**	--	--
Average-All Samples[(1)]	**0.18**	**0.05**	**0.05**	**0.2369**	**0.08**	**0.08**	**0.2791**	**0.1**	**0.1**
Maximum Concentration	--	--	--	**0.72**	--	--	**0.61**	--	--
No. of Detections/Samples	**0/32**	**0/32**	**0/32**	**4/32**	**0/32**	**0/32**	**3/32**	**0/32**	**0/32**
LOCATION ID									
MSA-SW37A	--	--	--	--	--	--	--	--	--
MSA-SW37B	--	--	--	--	--	--	--	--	--
MSA-SW37C	--	--	--	--	--	--	0.61	--	--
MSA-SW37D	--	--	--	--	--	--	--	--	--
MSA-SW38A	--	--	--	0.62 J	--	--	0.51	--	--
MSA-SW38B	--	--	--	--	--	--	--	--	--
MSA-SW38C	--	--	--	--	--	--	--	--	--
MSA-SW38D	--	--	--	--	--	--	--		--
MSA-SW40A	--	--	--	--	--	--	--	--	--
MSA-SW40B	--	--	--	--	--	--	--	--	--
MSA-SW40C	--	--	--	--	--	--	--	--	--
MSA-SW40D	--	--	--	--	--	--	--	--	--
MSA-SW41A	--	--	--	--	--	--	--	--	--
MSA-SW41B	--	--	--	--	--	--	--	--	--
MSA-SW41C	--	--	--	--	--	--	--	--	--
MSA-SW41D	--	--	--	--	--	--	--	--	--
MSA-SW42A	--	--	--	--	--	--	--	--	--
MSA-SW42B	--	--	--	--	--	--	--	--	--
MSA-SW42C	--	--	--	--	--	--	--	--	--
MSA-SW42D	--	--	--	--	--	--	--	--	--
MSA-SW43A	--	--	--	--	--	--	--	--	--
MSA-SW43B	--	--	--	--	--	--	--	--	--
MSA-SW43C	--	--	--	--	--	--	--	--	--
MSA-SW43D	--	--	--	--	--	--	--	--	--
MSA-SW44A	--	--	--	--	--	--	--	--	--
MSA-SW44B	--	--	--	--	--	--	--	--	--
MSA-SW44C	--	--	--	--	--	--	--	--	--
MSA-SW44D	--	--	--	--	--	--	--	--	--
MSA-SW46A	--	--	--	0.72 J	--	--	0.56	--	--
MSA-SW47A	--	--	--	0.42 J	--	--	--	--	--
MSA-SW48A	--	--	--	--	--	--	--	--	--
MSA-SW49A	--	--	--	0.5 J	--	--	--	--	--

Averages were calculated using 1/2 sample quantitation limit (nondetects) and 1/2 the detection limit (B-qualified data).
Bold font indicates detected concentration exceeded its lowest screening criterion.
µg/L - micrograms per liter
-- - not detected; the analyte is considered not detected at the reported value

APPENDICES

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

Appendix B—Data-Validation and Full Laboratory Reports

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

Water Quality Field Parameters-August 2021
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River Maryland

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
MSA-SW37A	-081721	8/17/2021	1118	8.02	4.24	28.74	4.17	6.55	2.24	191	2.00
MSA-SW37B	-081721	8/17/2021	1120	8.01	4.24	28.78	5.22	6.52	2.25	191	2.60
MSA-SW37C	-081721	8/17/2021	1122	8.01	4.25	28.90	6.19	6.79	2.25	191	4.80
MSA-SW37D	-081721	8/17/2021	1125	8.02	4.25	28.91	7.21	6.59	2.25	190	>6.0
MSA-SW38A	-081721	8/17/2021	1013	7.87	4.26	28.86	5.74	6.60	2.26	208	1.90
MSA-SW38B	-081721	8/17/2021	1015	7.88	4.26	28.84	7.11	6.47	2.25	208	3.70
MSA-SW38C	-081721	8/17/2021	1017	7.88	4.26	28.85	6.18	7.13	2.25	207	5.10
MSA-SW38D	-081721	8/17/2021	1020	7.90	4.26	28.88	5.98	7.18	2.26	206	>6.0
MSA-SW40A	-081721	8/17/2021	1055	7.99	4.24	28.74	5.05	6.42	2.24	195	1.70
MSA-SW40B	-081721	8/17/2021	1057	7.98	4.23	28.77	6.56	6.38	2.24	195	2.70
MSA-SW40C	-081721	8/17/2021	1100	7.98	4.25	28.84	7.12	6.89	2.25	195	4.00
MSA-SW40D	-081721	8/17/2021	1102	7.99	4.25	28.85	5.48	7.00	2.25	194	>6.0
MSA-SW41A	-081721	8/17/2021	957	7.77	4.25	28.70	5.99	6.14	2.25	218	2.50
MSA-SW41B	-081721	8/17/2021	1000	7.78	4.25	28.73	4.90	7.24	2.25	217	3.60
MSA-SW41C	-081721	8/17/2021	1002	7.81	4.25	28.86	5.45	7.30	2.26	215	3.80
MSA-SW41D	-081721	8/17/2021	1005	7.82	4.27	28.91	6.51	7.28	2.26	213	>6.0
MSA-SW42A	-081721	8/17/2021	1107	8.00	4.24	28.84	5.49	6.67	2.25	193	2.10
MSA-SW42B	-081721	8/17/2021	1110	7.99	4.25	28.86	7.47	6.93	2.25	193	3.60
MSA-SW42C	-081721	8/17/2021	1112	8.00	4.25	28.89	6.64	6.53	2.25	193	5.30
MSA-SW42D	-081721	8/17/2021	1115	8.00	4.26	28.87	5.38	6.72	2.25	192	>6.0
MSA-SW43A	-081721	8/17/2021	940	7.53	4.26	28.66	5.44	6.44	2.25	234	2.50
MSA-SW43B	-081721	8/17/2021	943	7.58	4.26	28.73	4.73	7.09	2.26	230	2.90
MSA-SW43C	-081721	8/17/2021	945	7.65	4.26	28.77	5.04	7.04	2.26	228	5.30
MSA-SW43D	-081721	8/17/2021	947	7.69	4.27	28.78	6.17	6.52	2.26	225	>6.0
MSA-SW44A	-081721	8/17/2021	930	7.05	4.24	28.6	5.99	6.45	2.2	257	1.70
MSA-SW44B	-081721	8/17/2021	935	7.14	4.25	28.7	6.97	6.63	2.3	254	3.60
MSA-SW44C	-081721	8/17/2021	938	7.27	4.26	28.69	7.11	6.56	2.25	248	5.20
MSA-SW44D	-081721	8/17/2021	940	7.39	4.27	28.72	6.02	6.59	2.26	242	>6.0
MSA-SW46A	-081721	8/17/2021	1105	8.00	4.25	28.85	4.34	6.64	2.25	194	2.50
MSA-SW47A	-081721	8/17/2021	1025	7.93	4.26	28.82	7.41	6.43	2.26	204	2.80
MSA-SW48A	-081721	8/17/2021	1008	7.85	4.24	28.80	5.51	6.53	2.24	211	2.10
MSA-SW49A	-081721	8/17/2021	955	7.74	4.26	28.75	5.56	6.69	2.26	221	2.30

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09343

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

Sample ID No.: MSA-SW37A -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1118								
Depth:	1 ft below water	**clear**	**8.02**	**4.24**	**28.74**	**4.17**	**6.55**	**2.24**	**191**
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 2 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.: 112IC09343

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

Sample ID No.: MSA-SW37B -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1120								
Depth:	1 ft below water	**clear**	**8.01**	**4.24**	**28.78**	**5.22**	**6.52**	**2.25**	**191**
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 2.6 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.: 112IC09343

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

Sample ID No.: MSA-SW37C -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1122								
Depth:	1 ft below water	**clear**	**8.01**	**4.25**	**28.9**	**6.19**	**6.79**	**2.25**	**191**
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 4.8 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.: 112IC09343

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

Sample ID No.: MSA-SW37D -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1125								
Depth:	1 ft below water	**clear**	**8.02**	**4.25**	**28.91**	**7.21**	**6.59**	**2.25**	**190**
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 >6.0 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.: 112IC09343

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

Sample ID No.: MSA-SW38A -081721
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:	8/17/2021								
Time:	1013	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**7.87**	**4.26**	**28.86**	**5.74**	**6.60**	**2.26**	**208**
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 1.9 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.: 112IC09343

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

Sample ID No.: MSA-SW38B -081721
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:	8/17/2021								
Time:	1015	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**7.88**	**4.26**	**28.84**	**7.11**	**6.47**	**2.25**	**208**
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 3.7 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.: 112IC09343

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

Sample ID No.: MSA-SW38C -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1017								
Depth:	1 ft below water	**clear**	**7.88**	**4.26**	**28.85**	**6.18**	**7.13**	**2.25**	**207**
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 5.1 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.: 112IC09343

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

Sample ID No.: MSA-SW38D -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1020								
Depth:	1 ft below water	**clear**	**7.90**	**4.26**	**28.88**	**5.98**	**7.18**	**2.26**	**206**
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 >6.0 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.: 112IC09343

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

Sample ID No.: MSA-SW40A -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1055								
Depth:	1 ft below water	**clear**	**7.99**	**4.24**	**28.74**	**5.05**	**6.42**	**2.2**	**195**
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 1.7 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.: 112IC09343

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

Sample ID No.: MSA-SW40B -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1057								
Depth:	1 ft below water	**clear**	**7.98**	**4.23**	**28.77**	**6.56**	**6.38**	**2.2**	**195**
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 2.7 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.: 112IC09343

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

Sample ID No.: MSA-SW40C -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1100								
Depth:	1 ft below water	**clear**	**7.98**	**4.25**	**28.84**	**7.12**	**6.89**	**2.3**	**195**
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 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.: 112IC09343

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

Sample ID No.: MSA-SW40D -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1102								
Depth:	1 ft below water	**clear**	**7.99**	**4.25**	**28.85**	**5.48**	**7.00**	**2.3**	**194**
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 >6.0 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.: 112IC09343

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

Sample ID No.: MSA-SW41A -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	957								
Depth:	1 ft below water	**clear**	**7.77**	**4.25**	**28.70**	**5.99**	**6.14**	**2.3**	**218**
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 2.5 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.: 112IC09343

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

Sample ID No.: MSA-SW41B -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1000								
Depth:	1 ft below water	**clear**	**7.78**	**4.25**	**28.73**	**4.90**	**7.24**	**2.3**	**217**
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 3.6 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.: 112IC09343

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

Sample ID No.: MSA-SW41C -081721
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:	8/17/2021								
Time:	1002	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**7.81**	**4.25**	**28.86**	**5.45**	**7.30**	**2.3**	**215**
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 3.8 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.: 112IC09343

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

Sample ID No.: MSA-SW41D -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1005								
Depth:	1 ft below water	**clear**	**7.82**	**4.27**	**28.91**	**6.51**	**7.28**	**2.3**	**213**
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 >6.0 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.: 112IC09343

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

Sample ID No.: MSA-SW42A -081721
Sample Location: MSA-SW42A
Sampled By: J. Mullis
C.O.C. No.:

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

SAMPLING DATA:

Date:	8/17/2021	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Time:	1107	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**8.00**	**4.24**	**28.84**	**5.49**	**6.67**	**2.3**	**193**
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 2.1 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.: 112IC09343

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

Sample ID No.: MSA-SW42B -081721
Sample Location: MSA-SW42B
Sampled By: J. Mullis
C.O.C. No.:

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

SAMPLING DATA:

Date:	8/17/2021	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Time:	1110	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**7.99**	**4.25**	**28.86**	**7.47**	**6.93**	**2.3**	**193**
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 3.6 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.: 112IC09343

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

Sample ID No.: MSA-SW42C -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1112								
Depth:	1 ft below water	**clear**	**8.00**	**4.25**	**28.89**	**6.64**	**6.53**	**2.3**	**193**
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 5.3 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.: 112IC09343

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

Sample ID No.: MSA-SW42D -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	1115								
Depth:	1 ft below water	**clear**	**8.00**	**4.26**	**28.87**	**5.38**	**6.72**	**2.3**	**192**
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 >6.0 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.: 112IC09343

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

Sample ID No.: MSA-SW43A -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	940								
Depth:	1 ft below water	**clear**	**7.53**	**4.26**	**28.66**	**5.44**	**6.44**	**2.3**	**234**
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 2.5 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.: 112IC09343

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

Sample ID No.: MSA-SW43B -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	943								
Depth:	1 ft below water	**clear**	**7.58**	**4.26**	**28.73**	**4.73**	**7.09**	**2.3**	**230**
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 2.9 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.: 112IC09343

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

Sample ID No.: MSA-SW43C -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	945								
Depth:	1 ft below water	**clear**	**7.65**	**4.26**	**28.77**	**5.04**	**7.04**	**2.3**	**228**
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 5.3 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.: 112IC09343

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

Sample ID No.: MSA-SW43D -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	947								
Depth:	1 ft below water	**clear**	**7.69**	**4.27**	**28.78**	**6.17**	**6.52**	**2.3**	**225**
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 >6.0 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.: 112IC09343

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

Sample ID No.: MSA-SW44A -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	930								
Depth:	1 ft below water	**clear**	**7.05**	**4.24**	**28.58**	**5.99**	**6.45**	**2.2**	**257**
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 1.7 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.: 112IC09343

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

Sample ID No.: MSA-SW44B -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	935								
Depth:	1 ft below water	**clear**	**7.14**	**4.25**	**28.67**	**6.97**	**6.63**	**2.3**	**254**
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 3.6 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.: 112IC09343

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

Sample ID No.: MSA-SW44C -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	938								
Depth:	1 ft below water	**clear**	**7.27**	**4.26**	**28.69**	**7.11**	**6.56**	**2.3**	**248**
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 5.2 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.: 112IC09343

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

Sample ID No.: MSA-SW44D -081721
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:	8/17/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	940								
Depth:	1 ft below water	**clear**	**7.39**	**4.27**	**28.72**	**6.02**	**6.59**	**2.3**	**242**
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 >6.0 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.: 112IC09343

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

Sample ID No.: MSA-SW46A -081721
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:	1105	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**8.00**	**4.25**	**28.85**	**4.34**	**6.64**	**2.3**	**194**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 2.5 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.: 112IC09343

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

Sample ID No.: MSA-SW47A -081721
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:	1025	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**7.93**	**4.26**	**28.82**	**7.41**	**6.43**	**2.3**	**204**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 2.8 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.: 112IC09343

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

Sample ID No.: MSA-SW48A -081721
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:	1008	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**7.85**	**4.24**	**28.80**	**5.51**	**6.53**	**2.2**	**211**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 2.1 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.: 112IC09343

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

Sample ID No.: MSA-SW49A -081721
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!								
Time:	955	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**7.74**	**4.26**	**28.75**	**5.56**	**6.69**	**2.3**	**221**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 2.3 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:** **OCTOBER 20, 2021**

FROM: **J.SAMCHUCK** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOC**
LOCKHEED MARTIN CORPORATION (LMC) – MARTIN STATE AIRPORT (MSA)
FROG MORTAR CREEK SURFACE WATER SAMPLING
SDG 240-154716-1

SAMPLES: 33/Aqueous/VOC

MSA-SW37A-081721	MSA-SW37B-081721	MSA-SW37C-081721
MSA-SW37D-081721	MSA-SW38A-081721	MSA-SW38B-081721
MSA-SW38C-081721	MSA-SW38D-081721	MSA-SW40A-081721
MSA-SW40B-081721	MSA-SW40C-081721	MSA-SW40D-081721
MSA-SW41A-081721	MSA-SW41B-081721	MSA-SW41C-081721
MSA-SW41D-081721	MSA-SW42A-081721	MSA-SW42B-081721
MSA-SW42C-081721	MSA-SW42D-081721	MSA-SW43A-081721
MSA-SW43B-081721	MSA-SW43C-081721	MSA-SW43D-081721
MSA-SW44A-081721	MSA-SW44B-081721	MSA-SW44C-081721
MSA-SW44D-081721	MSA-SW46A-081721	MSA-SW47A-081721
MSA-SW48A-081721	MSA-SW49A-081721	TB-081721

Overview

The sample set for LMC-MSA Frog Mortar Creek, SDG 240-154716-1 consisted of thirty-two (32) aqueous environmental samples and one (1) trip blank. All thirty-three (33) aqueous samples were analyzed for Volatile Organic Compounds (VOC). No field duplicate sample pair was included in this SDG.

The samples were collected by Tetra Tech, Inc. on August 17, 2021 and analyzed by Eurofins TestAmerica, Inc. All analyses were conducted in accordance with 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, laboratory preparation/method blanks, surrogate spike recoveries, laboratory control sample results, matrix spike/matrix spike duplicate results, internal standard results, chromatographic resolution, compound identification, tentatively identified compounds, compound/analyte quantitation, and detection limits. Areas of concern are listed below.

Major

- As stated in the laboratory case narrative, 2-chloroethyl vinyl ether cannot be reliably recovered in an acid preserved samples. All samples in this SDG were acid preserved. The non-detected results reported for 2-chloroethyl vinyl ether were qualified as rejected, (UR) in the acid preserved samples.

Minor

- The VOC continuing calibration performed on instrument A3UX12 on 08/21/2021 @ 1228 had Percent Differences (%D) for acetone, t-butyl alcohol, and vinyl acetate which exceeded the 20% quality control limit. Samples associated with analytical batch # 240-500502 were affected. The non-detected results reported for these compounds in the affected samples were qualified as estimated, (UJ).

- The VOC continuing calibration performed on instrument A3UX12 on 08/23/2021 @ 1728 had Percent Differences (%D) for chloroethane, acetone, t-butyl alcohol, dibromomethane, 2-butanone, and vinyl acetate which exceeded the 20% quality control limit. Samples associated with analytical batch # 240-500679 were affected. The non-detected results reported for these compounds in the affected samples were qualified as estimated, (UJ).

- The VOC continuing calibration performed on instrument A3UX12 on 08/26/2021 @ 1902 had Percent Differences (%D) for chloroethane, acetone, t-butyl alcohol and 2,2'-dichloropropane which exceeded the 20% quality control limit. Samples associated with analytical batch # 240-500679 were affected. The non-detected results reported for these compounds in the affected samples were qualified as estimated, (UJ).

- A Tentatively Identified Compound (TIC) search was performed for the compound chlorodifluoromethane. The laboratory did not detect this compound in the samples in this SDG. The laboratory assigned a Reporting Limit (RL) of 1 µg/L. Because the GC/MS was not calibrated for this compound, the RL is not based on a representative detection limit. The non-detected results reported for chlorodifluoromethane were qualified as estimated, (UJ).

Notes

Non-detected results were reported to the MDL.

A laboratory control sample spike recovery for 2-butanone was above the upper laboratory control limit in sample batch 240-500502. No action was required because all sample results were nondetected.

A laboratory control sample spike recovery for acetone was above the upper laboratory control limit in sample batch 240-500679. No action was required because all sample results were nondetected.

A laboratory control sample spike recovery for acetone and t-butyl alcohol were above the upper laboratory control limit in sample batch 240-501270. No action was required because all sample results were nondetected.

A matrix spike and matrix spike duplicate analysis was not performed by the laboratory.

Executive Summary

Laboratory Performance: VOC continuing calibrations contained %Ds for several compounds that exceeded 20%. Non-detected chlorodifluoromethane results were estimated because the compound was evaluated via TIC library search.

Other Factors Affecting Data Quality: 2-Chloroethyl vinyl ether results were rejected because the samples were acid preserved.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review" (January 2017) and "National Functional Guidelines for Inorganic Review" (January 2017). The text of this report has been formulated to address only those areas affecting data quality.

Tetra Tech, Inc.
Joseph A. Samchuck
Data Validation Manager

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

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

Appendix A

Qualified Analytical Results

PROJ_NO: 09343	NSAMPLE	MSA-SW37A-081721			MSA-SW37B-081721			MSA-SW37C-081721			MSA-SW37D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-1			240-154716-2			240-154716-3			240-154716-4		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.43	U		0.43	U		0.43	U		0.43	U	
1,1,1-TRICHLOROETHANE		0.48	U		0.48	U		0.48	U		0.48	U	
1,1,2,2-TETRACHLOROETHANE		0.6	U		0.6	U		0.6	U		0.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,1-DICHLOROETHENE		0.49	U		0.49	U		0.49	U		0.49	U	
1,1-DICHLOROPROPENE		0.36	U		0.36	U		0.36	U		0.36	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,4-TRICHLOROBENZENE		0.77	U		0.77	U		0.77	U		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,2-DICHLOROBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,3-DICHLOROBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.41	U		0.41	U		0.41	U		0.41	U	
2,2-DICHLOROPROPANE		0.78	U		0.78	U		0.78	U		0.78	U	
2-BUTANONE		1.2	U		1.2	U		1.2	U		1.2	U	
2-CHLOROETHYL VINYL ETHER		1.5	UR	M	1.5	UR	M	1.5	UR	M	1.5	UR	M
2-CHLOROTOLUENE		0.57	U		0.57	U		0.57	U		0.57	U	
2-HEXANONE		1.1	U		1.1	U		1.1	U		1.1	U	
4-CHLOROTOLUENE		0.43	U		0.43	U		0.43	U		0.43	U	
4-ISOPROPYLTOLUENE		0.56	U		0.56	U		0.56	U		0.56	U	
4-METHYL-2-PENTANONE		0.99	U		0.99	U		0.99	U		0.99	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	UJ	C
BENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
BROMOBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOCHLOROMETHANE		0.54	U		0.54	U		0.54	U		0.54	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: 09343	NSAMPLE	MSA-SW38A-081721			MSA-SW38B-081721			MSA-SW38C-081721			MSA-SW38D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-5			240-154716-6			240-154716-7			240-154716-8		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.43	U		0.43	U		0.43	U		0.43	U	
1,1,1-TRICHLOROETHANE		0.48	U		0.48	U		0.48	U		0.48	U	
1,1,2,2-TETRACHLOROETHANE		0.6	U		0.6	U		0.6	U		0.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,1-DICHLOROETHENE		0.49	U		0.49	U		0.49	U		0.49	U	
1,1-DICHLOROPROPENE		0.36	U		0.36	U		0.36	U		0.36	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,4-TRICHLOROBENZENE		0.77	U		0.77	U		0.77	U		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,2-DICHLOROBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,3-DICHLOROBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.41	U		0.41	U		0.41	U		0.41	U	
2,2-DICHLOROPROPANE		0.78	U		0.78	U		0.78	U		0.78	U	
2-BUTANONE		1.2	UJ	C	1.2	UJ	C	1.2	UJ	C	1.2	UJ	C
2-CHLOROETHYL VINYL ETHER		1.5	UR	M	1.5	UR	M	1.5	UR	M	1.5	UR	M
2-CHLOROTOLUENE		0.57	U		0.57	U		0.57	U		0.57	U	
2-HEXANONE		1.1	U		1.1	U		1.1	U		1.1	U	
4-CHLOROTOLUENE		0.43	U		0.43	U		0.43	U		0.43	U	
4-ISOPROPYLTOLUENE		0.56	U		0.56	U		0.56	U		0.56	U	
4-METHYL-2-PENTANONE		0.99	U		0.99	U		0.99	U		0.99	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	UJ	C
BENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
BROMOBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOCHLOROMETHANE		0.54	U		0.54	U		0.54	U		0.54	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: 09343	NSAMPLE	MSA-SW40A-081721			MSA-SW40B-081721			MSA-SW40C-081721			MSA-SW40D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-9			240-154716-10			240-154716-11			240-154716-12		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.43	U		0.43	U		0.43	U		0.43	U	
1,1,1-TRICHLOROETHANE		0.48	U		0.48	U		0.48	U		0.48	U	
1,1,2,2-TETRACHLOROETHANE		0.6	U		0.6	U		0.6	U		0.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,1-DICHLOROETHENE		0.49	U		0.49	U		0.49	U		0.49	U	
1,1-DICHLOROPROPENE		0.36	U		0.36	U		0.36	U		0.36	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,4-TRICHLOROBENZENE		0.77	U		0.77	U		0.77	U		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,2-DICHLOROBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,3-DICHLOROBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.41	U		0.41	U		0.41	U		0.41	U	
2,2-DICHLOROPROPANE		0.78	U		0.78	U		0.78	U		0.78	U	
2-BUTANONE		1.2	UJ	C	1.2	UJ	C	1.2	UJ	C	1.2	UJ	C
2-CHLOROETHYL VINYL ETHER		1.5	UR	M	1.5	UR	M	1.5	UR	M	1.5	UR	M
2-CHLOROTOLUENE		0.57	U		0.57	U		0.57	U		0.57	U	
2-HEXANONE		1.1	U		1.1	U		1.1	U		1.1	U	
4-CHLOROTOLUENE		0.43	U		0.43	U		0.43	U		0.43	U	
4-ISOPROPYLTOLUENE		0.56	U		0.56	U		0.56	U		0.56	U	
4-METHYL-2-PENTANONE		0.99	U		0.99	U		0.99	U		0.99	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	UJ	C
BENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
BROMOBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOCHLOROMETHANE		0.54	U		0.54	U		0.54	U		0.54	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: 09343	NSAMPLE	MSA-SW41A-081721			MSA-SW41B-081721			MSA-SW41C-081721			MSA-SW41D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-13			240-154716-14			240-154716-15			240-154716-16		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.43	U		0.43	U		0.43	U		0.43	U	
1,1,1-TRICHLOROETHANE		0.48	U		0.48	U		0.48	U		0.48	U	
1,1,2,2-TETRACHLOROETHANE		0.6	U		0.6	U		0.6	U		0.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,1-DICHLOROETHENE		0.49	U		0.49	U		0.49	U		0.49	U	
1,1-DICHLOROPROPENE		0.36	U		0.36	U		0.36	U		0.36	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,4-TRICHLOROBENZENE		0.77	U		0.77	U		0.77	U		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,2-DICHLOROBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,3-DICHLOROBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.41	U		0.41	U		0.41	U		0.41	U	
2,2-DICHLOROPROPANE		0.78	U		0.78	U		0.78	U		0.78	U	
2-BUTANONE		1.2	UJ	C	1.2	UJ	C	1.2	UJ	C	1.2	UJ	C
2-CHLOROETHYL VINYL ETHER		1.5	UR	M	1.5	UR	M	1.5	UR	M	1.5	UR	M
2-CHLOROTOLUENE		0.57	U		0.57	U		0.57	U		0.57	U	
2-HEXANONE		1.1	U		1.1	U		1.1	U		1.1	U	
4-CHLOROTOLUENE		0.43	U		0.43	U		0.43	U		0.43	U	
4-ISOPROPYLTOLUENE		0.56	U		0.56	U		0.56	U		0.56	U	
4-METHYL-2-PENTANONE		0.99	U		0.99	U		0.99	U		0.99	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	UJ	C
BENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
BROMOBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOCHLOROMETHANE		0.54	U		0.54	U		0.54	U		0.54	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: 09343	NSAMPLE	MSA-SW42A-081721			MSA-SW42B-081721			MSA-SW42C-081721			MSA-SW42D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-17			240-154716-18			240-154716-19			240-154716-20		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.43	U		0.43	U		0.43	U		0.43	U	
1,1,1-TRICHLOROETHANE		0.48	U		0.48	U		0.48	U		0.48	U	
1,1,2,2-TETRACHLOROETHANE		0.6	U		0.6	U		0.6	U		0.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,1-DICHLOROETHENE		0.49	U		0.49	U		0.49	U		0.49	U	
1,1-DICHLOROPROPENE		0.36	U		0.36	U		0.36	U		0.36	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,4-TRICHLOROBENZENE		0.77	U		0.77	U		0.77	U		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,2-DICHLOROBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,3-DICHLOROBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.41	U		0.41	U		0.41	U		0.41	U	
2,2-DICHLOROPROPANE		0.78	U		0.78	U		0.78	U		0.78	U	
2-BUTANONE		1.2	UJ	C	1.2	UJ	C	1.2	UJ	C	1.2	UJ	C
2-CHLOROETHYL VINYL ETHER		1.5	UR	M	1.5	UR	M	1.5	UR	M	1.5	UR	M
2-CHLOROTOLUENE		0.57	U		0.57	U		0.57	U		0.57	U	
2-HEXANONE		1.1	U		1.1	U		1.1	U		1.1	U	
4-CHLOROTOLUENE		0.43	U		0.43	U		0.43	U		0.43	U	
4-ISOPROPYLTOLUENE		0.56	U		0.56	U		0.56	U		0.56	U	
4-METHYL-2-PENTANONE		0.99	U		0.99	U		0.99	U		0.99	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	UJ	C
BENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
BROMOBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOCHLOROMETHANE		0.54	U		0.54	U		0.54	U		0.54	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: 09343	NSAMPLE	MSA-SW43A-081721			MSA-SW43B-081721			MSA-SW43C-081721			MSA-SW43D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-21			240-154716-22			240-154716-23			240-154716-24		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.43	U		0.43	U		0.43	U		0.43	U	
1,1,1-TRICHLOROETHANE		0.48	U		0.48	U		0.48	U		0.48	U	
1,1,2,2-TETRACHLOROETHANE		0.6	U		0.6	U		0.6	U		0.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,1-DICHLOROETHENE		0.49	U		0.49	U		0.49	U		0.49	U	
1,1-DICHLOROPROPENE		0.36	U		0.36	U		0.36	U		0.36	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,4-TRICHLOROBENZENE		0.77	U		0.77	U		0.77	U		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,2-DICHLOROBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,3-DICHLOROBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.41	U		0.41	U		0.41	U		0.41	U	
2,2-DICHLOROPROPANE		0.78	U		0.78	U		0.78	UJ	C	0.78	U	
2-BUTANONE		1.2	UJ	C	1.2	UJ	C	1.2	U		1.2	UJ	C
2-CHLOROETHYL VINYL ETHER		1.5	UR	M	1.5	UR	M	1.5	UR	M	1.5	UR	M
2-CHLOROTOLUENE		0.57	U		0.57	U		0.57	U		0.57	U	
2-HEXANONE		1.1	U		1.1	U		1.1	U		1.1	U	
4-CHLOROTOLUENE		0.43	U		0.43	U		0.43	U		0.43	U	
4-ISOPROPYLTOLUENE		0.56	U		0.56	U		0.56	U		0.56	U	
4-METHYL-2-PENTANONE		0.99	U		0.99	U		0.99	U		0.99	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	UJ	C
BENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
BROMOBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOCHLOROMETHANE		0.54	U		0.54	U		0.54	U		0.54	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: 09343	NSAMPLE	MSA-SW44A-081721			MSA-SW44B-081721			MSA-SW44C-081721			MSA-SW44D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-25			240-154716-26			240-154716-27			240-154716-28		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.43	U		0.43	U		0.43	U		0.43	U	
1,1,1-TRICHLOROETHANE		0.48	U		0.48	U		0.48	U		0.48	U	
1,1,2,2-TETRACHLOROETHANE		0.6	U		0.6	U		0.6	U		0.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,1-DICHLOROETHENE		0.49	U		0.49	U		0.49	U		0.49	U	
1,1-DICHLOROPROPENE		0.36	U		0.36	U		0.36	U		0.36	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,4-TRICHLOROBENZENE		0.77	U		0.77	U		0.77	U		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,2-DICHLOROBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,3-DICHLOROBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.41	U		0.41	U		0.41	U		0.41	U	
2,2-DICHLOROPROPANE		0.78	UJ	C	0.78	UJ	C	0.78	UJ	C	0.78	UJ	C
2-BUTANONE		1.2	U		1.2	U		1.2	U		1.2	U	
2-CHLOROETHYL VINYL ETHER		1.5	UR	M	1.5	UR	M	1.5	UR	M	1.5	UR	M
2-CHLOROTOLUENE		0.57	U		0.57	U		0.57	U		0.57	U	
2-HEXANONE		1.1	U		1.1	U		1.1	U		1.1	U	
4-CHLOROTOLUENE		0.43	U		0.43	U		0.43	U		0.43	U	
4-ISOPROPYLTOLUENE		0.56	U		0.56	U		0.56	U		0.56	U	
4-METHYL-2-PENTANONE		0.99	U		0.99	U		0.99	U		0.99	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	UJ	C
BENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
BROMOBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOCHLOROMETHANE		0.54	U		0.54	U		0.54	U		0.54	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: 09343	NSAMPLE	MSA-SW46A-081721			MSA-SW47A-081721			MSA-SW48A-081721			MSA-SW49A-081721		
SDG: 240-154716-1	LAB_ID	240-154716-30			240-154716-31			240-154716-32			240-154716-33		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.43	U		0.43	U		0.43	U		0.43	U	
1,1,1-TRICHLOROETHANE		0.48	U		0.48	U		0.48	U		0.48	U	
1,1,2,2-TETRACHLOROETHANE		0.6	U		0.6	U		0.6	U		0.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,1-DICHLOROETHENE		0.49	U		0.49	U		0.49	U		0.49	U	
1,1-DICHLOROPROPENE		0.36	U		0.36	U		0.36	U		0.36	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,4-TRICHLOROBENZENE		0.77	U		0.77	U		0.77	U		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,2-DICHLOROBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,3-DICHLOROBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.41	U		0.41	U		0.41	U		0.41	U	
2,2-DICHLOROPROPANE		0.78	UJ	C	0.78	UJ	C	0.78	UJ	C	0.78	UJ	C
2-BUTANONE		1.2	U		1.2	U		1.2	U		1.2	U	
2-CHLOROETHYL VINYL ETHER		1.5	UR	M	1.5	UR	M	1.5	UR	M	1.5	UR	M
2-CHLOROTOLUENE		0.57	U		0.57	U		0.57	U		0.57	U	
2-HEXANONE		1.1	U		1.1	U		1.1	U		1.1	U	
4-CHLOROTOLUENE		0.43	U		0.43	U		0.43	U		0.43	U	
4-ISOPROPYLTOLUENE		0.56	U		0.56	U		0.56	U		0.56	U	
4-METHYL-2-PENTANONE		0.99	U		0.99	U		0.99	U		0.99	U	
ACETONE		5.4	UJ	C	5.4	UJ	C	5.4	UJ	C	5.4	UJ	C
BENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
BROMOBENZENE		0.5	U		0.5	U		0.5	U		0.5	U	
BROMOCHLOROMETHANE		0.54	U		0.54	U		0.54	U		0.54	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: 09343	NSAMPLE	TB-081721		
SDG: 240-154716-1	LAB_ID	240-154716-29		
FRACTION: OV	SAMP_DATE	8/17/2021		
MEDIA: WATER	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.43	U	
1,1,1-TRICHLOROETHANE		0.48	U	
1,1,2,2-TETRACHLOROETHANE		0.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U	
1,1-DICHLOROETHANE		0.47	U	
1,1-DICHLOROETHENE		0.49	U	
1,1-DICHLOROPROPENE		0.36	U	
1,2,3-TRICHLOROBENZENE		0.54	U	
1,2,3-TRICHLOROPROPANE		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.31	U	
1,2,4-TRICHLOROBENZENE		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.52	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U	
1,2-DIBROMOETHANE		0.41	U	
1,2-DICHLOROBENZENE		0.48	U	
1,2-DICHLOROETHANE		0.21	U	
1,2-DICHLOROPROPANE		0.47	U	
1,3-DICHLOROBENZENE		0.45	U	
1,3-DICHLOROPROPANE		0.21	U	
1,4-DICHLOROBENZENE		0.41	U	
2,2-DICHLOROPROPANE		0.78	UJ	C
2-BUTANONE		1.2	U	
2-CHLOROETHYL VINYL ETHER		1.5	UR	M
2-CHLOROTOLUENE		0.57	U	
2-HEXANONE		1.1	U	
4-CHLOROTOLUENE		0.43	U	
4-ISOPROPYLTOLUENE		0.56	U	
4-METHYL-2-PENTANONE		0.99	U	
ACETONE		5.4	UJ	C
BENZENE		0.42	U	
BROMOBENZENE		0.5	U	
BROMOCHLOROMETHANE		0.54	U	
BROMODICHLOROMETHANE		0.17	U	
BROMOFORM		0.76	U	
BROMOMETHANE		0.42	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW37A-081721			MSA-SW37B-081721			MSA-SW37C-081721			MSA-SW37D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-1			240-154716-2			240-154716-3			240-154716-4		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	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		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOLUENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOTAL XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
TRANS-1,2-DICHLOROETHENE		0.51	U		0.51	U		0.51	U		0.51	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW38A-081721			MSA-SW38B-081721			MSA-SW38C-081721			MSA-SW38D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-5			240-154716-6			240-154716-7			240-154716-8		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	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	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOLUENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOTAL XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
TRANS-1,2-DICHLOROETHENE		0.51	U		0.51	U		0.51	U		0.51	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW40A-081721			MSA-SW40B-081721			MSA-SW40C-081721			MSA-SW40D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-9			240-154716-10			240-154716-11			240-154716-12		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	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	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOLUENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOTAL XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
TRANS-1,2-DICHLOROETHENE		0.51	U		0.51	U		0.51	U		0.51	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW41A-081721			MSA-SW41B-081721			MSA-SW41C-081721			MSA-SW41D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-13			240-154716-14			240-154716-15			240-154716-16		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	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	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOLUENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOTAL XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
TRANS-1,2-DICHLOROETHENE		0.51	U		0.51	U		0.51	U		0.51	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW42A-081721			MSA-SW42B-081721			MSA-SW42C-081721			MSA-SW42D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-17			240-154716-18			240-154716-19			240-154716-20		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	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	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	UJ	C	0.4	UJ	C	0.4	UJ	C
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOLUENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOTAL XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
TRANS-1,2-DICHLOROETHENE		0.51	U		0.51	U		0.51	U		0.51	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW43A-081721			MSA-SW43B-081721			MSA-SW43C-081721			MSA-SW43D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-21			240-154716-22			240-154716-23			240-154716-24		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	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	UJ	C	0.83	UJ	C	0.83	U		0.83	UJ	C
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	UJ	C	0.4	UJ	C	0.4	UJ	C	0.4	UJ	C
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOLUENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOTAL XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
TRANS-1,2-DICHLOROETHENE		0.51	U		0.51	U		0.51	U		0.51	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW44A-081721			MSA-SW44B-081721			MSA-SW44C-081721			MSA-SW44D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-25			240-154716-26			240-154716-27			240-154716-28		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	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		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	UJ	C	0.4	UJ	C	0.4	UJ	C	0.4	UJ	C
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOLUENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOTAL XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
TRANS-1,2-DICHLOROETHENE		0.51	U		0.51	U		0.51	U		0.51	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW46A-081721			MSA-SW47A-081721			MSA-SW48A-081721			MSA-SW49A-081721		
SDG: 240-154716-1	LAB_ID	240-154716-30			240-154716-31			240-154716-32			240-154716-33		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	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		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	UJ	C	0.4	UJ	C	0.4	UJ	C	0.4	UJ	C
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOLUENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOTAL XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
TRANS-1,2-DICHLOROETHENE		0.51	U		0.51	U		0.51	U		0.51	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	

PROJ_NO: 09343	NSAMPLE	TB-081721		
SDG: 240-154716-1	LAB_ID	240-154716-29		
FRACTION: OV	SAMP_DATE	8/17/2021		
MEDIA: WATER	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U	
CARBON TETRACHLORIDE		0.26	U	
CHLOROBENZENE		0.38	U	
CHLORODIBROMOMETHANE		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q
CHLOROETHANE		0.83	U	
CHLOROFORM		0.47	U	
CHLOROMETHANE		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U	
DIBROMOMETHANE		0.4	UJ	C
DICHLORODIFLUOROMETHANE		0.35	U	
DIISOPROPYL ETHER		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U	
ETHYLBENZENE		0.42	U	
HEXACHLOROBUTADIENE		0.83	U	
ISOPROPYLBENZENE		0.49	U	
M+P-XYLENES		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U	
METHYLENE CHLORIDE		2.6	U	
NAPHTHALENE		0.8	U	
N-BUTYLBENZENE		0.6	U	
N-PROPYLBENZENE		0.57	U	
O-XYLENE		0.42	U	
SEC-BUTYLBENZENE		0.53	U	
STYRENE		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U	
TERT-BUTYLBENZENE		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C
TETRACHLOROETHENE		0.44	U	
TOLUENE		0.44	U	
TOTAL XYLENES		0.42	U	
TRANS-1,2-DICHLOROETHENE		0.51	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U	
TRICHLOROETHENE		0.44	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW37A-081721			MSA-SW37B-081721			MSA-SW37C-081721			MSA-SW37D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-1			240-154716-2			240-154716-3			240-154716-4		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.61	UJ	C	0.61	UJ	C	0.61	UJ	C	0.61	UJ	C
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW38A-081721			MSA-SW38B-081721			MSA-SW38C-081721			MSA-SW38D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-5			240-154716-6			240-154716-7			240-154716-8		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.61	UJ	C	0.61	UJ	C	0.61	UJ	C	0.61	UJ	C
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW40A-081721			MSA-SW40B-081721			MSA-SW40C-081721			MSA-SW40D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-9			240-154716-10			240-154716-11			240-154716-12		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.61	UJ	C	0.61	UJ	C	0.61	UJ	C	0.61	UJ	C
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW41A-081721			MSA-SW41B-081721			MSA-SW41C-081721			MSA-SW41D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-13			240-154716-14			240-154716-15			240-154716-16		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.61	UJ	C	0.61	UJ	C	0.61	UJ	C	0.61	UJ	C
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW42A-081721			MSA-SW42B-081721			MSA-SW42C-081721			MSA-SW42D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-17			240-154716-18			240-154716-19			240-154716-20		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.61	UJ	C	0.61	UJ	C	0.61	UJ	C	0.61	UJ	C
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW43A-081721			MSA-SW43B-081721			MSA-SW43C-081721			MSA-SW43D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-21			240-154716-22			240-154716-23			240-154716-24		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.61	UJ	C	0.61	UJ	C	0.61	U		0.61	UJ	C
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW44A-081721			MSA-SW44B-081721			MSA-SW44C-081721			MSA-SW44D-081721		
SDG: 240-154716-1	LAB_ID	240-154716-25			240-154716-26			240-154716-27			240-154716-28		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.61	U		0.61	U		0.61	U		0.61	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW46A-081721			MSA-SW47A-081721			MSA-SW48A-081721			MSA-SW49A-081721		
SDG: 240-154716-1	LAB_ID	240-154716-30			240-154716-31			240-154716-32			240-154716-33		
FRACTION: OV	SAMP_DATE	8/17/2021			8/17/2021			8/17/2021			8/17/2021		
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		0.61	U		0.61	U		0.61	U		0.61	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	TB-081721		
SDG: 240-154716-1	LAB_ID	240-154716-29		
FRACTION: OV	SAMP_DATE	8/17/2021		
MEDIA: WATER	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U	
VINYL ACETATE		0.61	U	
VINYL CHLORIDE		0.45	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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-081721 Lab Sample ID: 240-154716-1

Matrix: Water Lab File ID: U1287573.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:18

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:34

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U *+	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-081721 Lab Sample ID: 240-154716-1

Matrix: Water Lab File ID: U1287573.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:18

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:34

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-081721 Lab Sample ID: 240-154716-1

Matrix: Water Lab File ID: U1287573.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:18

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:34

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		56-136
1868-53-7	Dibromofluoromethane (Surr)	98		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-081721 Lab Sample ID: 240-154716-1

Matrix: Water Lab File ID: U1287573.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:18

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:34

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.: 500502 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-081721 Lab Sample ID: 240-154716-1

Matrix: Water Lab File ID: U1287573.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:18

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:34

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.: 500502 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-081721 Lab Sample ID: 240-154716-2

Matrix: Water Lab File ID: U1287574.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:20

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:56

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U *+	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-081721 Lab Sample ID: 240-154716-2

Matrix: Water Lab File ID: U1287574.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:20

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:56

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-081721 Lab Sample ID: 240-154716-2

Matrix: Water Lab File ID: U1287574.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:20

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:56

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		62-137
2037-26-5	Toluene-d8 (Surr)	91		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-081721 Lab Sample ID: 240-154716-2

Matrix: Water Lab File ID: U1287574.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:20

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:56

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.: 500502 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-081721 Lab Sample ID: 240-154716-2

Matrix: Water Lab File ID: U1287574.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:20

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:56

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.: 500502 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-081721 Lab Sample ID: 240-154716-3

Matrix: Water Lab File ID: U1287575.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:22

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:19

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U *+	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-081721 Lab Sample ID: 240-154716-3

Matrix: Water Lab File ID: U1287575.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:22

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:19

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-081721 Lab Sample ID: 240-154716-3

Matrix: Water Lab File ID: U1287575.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:22

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:19

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	100		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-081721 Lab Sample ID: 240-154716-3

Matrix: Water Lab File ID: U1287575.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:22

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:19

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.: 500502 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-081721 Lab Sample ID: 240-154716-3

Matrix: Water Lab File ID: U1287575.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:22

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:19

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.: 500502 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-081721 Lab Sample ID: 240-154716-4

Matrix: Water Lab File ID: U1287576.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:25

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:41

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U *+	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-081721 Lab Sample ID: 240-154716-4

Matrix: Water Lab File ID: U1287576.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:25

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:41

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-081721 Lab Sample ID: 240-154716-4

Matrix: Water Lab File ID: U1287576.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:25

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:41

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	90		56-136
1868-53-7	Dibromofluoromethane (Surr)	93		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		62-137
2037-26-5	Toluene-d8 (Surr)	91		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-081721 Lab Sample ID: 240-154716-4

Matrix: Water Lab File ID: U1287576.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:25

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:41

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.: 500502 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-081721 Lab Sample ID: 240-154716-4

Matrix: Water Lab File ID: U1287576.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:25

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:41

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.: 500502 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-081721 Lab Sample ID: 240-154716-5

Matrix: Water Lab File ID: U1287588.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:13

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:18

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-081721 Lab Sample ID: 240-154716-5

Matrix: Water Lab File ID: U1287588.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:13

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:18

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-081721 Lab Sample ID: 240-154716-5

Matrix: Water Lab File ID: U1287588.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:13

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:18

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		56-136
1868-53-7	Dibromofluoromethane (Surr)	96		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		62-137
2037-26-5	Toluene-d8 (Surr)	89		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-081721 Lab Sample ID: 240-154716-5

Matrix: Water Lab File ID: U1287588.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:13

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:18

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-081721 Lab Sample ID: 240-154716-5

Matrix: Water Lab File ID: U1287588.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:13

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:18

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-081721 Lab Sample ID: 240-154716-6

Matrix: Water Lab File ID: U1287589.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:15

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:40

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-081721 Lab Sample ID: 240-154716-6

Matrix: Water Lab File ID: U1287589.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:15

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:40

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-081721 Lab Sample ID: 240-154716-6

Matrix: Water Lab File ID: U1287589.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:15

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:40

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-081721 Lab Sample ID: 240-154716-6

Matrix: Water Lab File ID: U1287589.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:15

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:40

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-081721 Lab Sample ID: 240-154716-6

Matrix: Water Lab File ID: U1287589.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:15

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:40

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-081721 Lab Sample ID: 240-154716-7

Matrix: Water Lab File ID: U1287590.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:17

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:03

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-081721 Lab Sample ID: 240-154716-7

Matrix: Water Lab File ID: U1287590.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:17

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:03

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-081721 Lab Sample ID: 240-154716-7

Matrix: Water Lab File ID: U1287590.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:17

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:03

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-081721 Lab Sample ID: 240-154716-7

Matrix: Water Lab File ID: U1287590.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:17

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:03

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-081721 Lab Sample ID: 240-154716-7

Matrix: Water Lab File ID: U1287590.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:17

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:03

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-081721 Lab Sample ID: 240-154716-8

Matrix: Water Lab File ID: U1287591.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:25

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-081721 Lab Sample ID: 240-154716-8

Matrix: Water Lab File ID: U1287591.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:25

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-081721 Lab Sample ID: 240-154716-8

Matrix: Water Lab File ID: U1287591.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:25

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	100		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-081721 Lab Sample ID: 240-154716-8

Matrix: Water Lab File ID: U1287591.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:25

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-081721 Lab Sample ID: 240-154716-8

Matrix: Water Lab File ID: U1287591.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:25

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-081721 Lab Sample ID: 240-154716-9

Matrix: Water Lab File ID: U1287592.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:55

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:47

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-081721 Lab Sample ID: 240-154716-9

Matrix: Water Lab File ID: U1287592.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:55

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:47

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-081721 Lab Sample ID: 240-154716-9

Matrix: Water Lab File ID: U1287592.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:55

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:47

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		56-136
1868-53-7	Dibromofluoromethane (Surr)	102		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-081721 Lab Sample ID: 240-154716-9

Matrix: Water Lab File ID: U1287592.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:55

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:47

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-081721 Lab Sample ID: 240-154716-9

Matrix: Water Lab File ID: U1287592.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:55

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:47

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-081721 Lab Sample ID: 240-154716-10

Matrix: Water Lab File ID: U1287593.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:09

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-081721 Lab Sample ID: 240-154716-10

Matrix: Water Lab File ID: U1287593.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:09

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-081721 Lab Sample ID: 240-154716-10

Matrix: Water Lab File ID: U1287593.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:09

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-081721 Lab Sample ID: 240-154716-10

Matrix: Water Lab File ID: U1287593.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:09

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-081721 Lab Sample ID: 240-154716-10

Matrix: Water Lab File ID: U1287593.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:09

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-081721 Lab Sample ID: 240-154716-11

Matrix: Water Lab File ID: U1287594.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-081721 Lab Sample ID: 240-154716-11

Matrix: Water Lab File ID: U1287594.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-081721 Lab Sample ID: 240-154716-11

Matrix: Water Lab File ID: U1287594.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		56-136
1868-53-7	Dibromofluoromethane (Surr)	101		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-081721 Lab Sample ID: 240-154716-11

Matrix: Water Lab File ID: U1287594.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-081721 Lab Sample ID: 240-154716-11

Matrix: Water Lab File ID: U1287594.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-081721 Lab Sample ID: 240-154716-12

Matrix: Water Lab File ID: U1287595.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:53

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-081721 Lab Sample ID: 240-154716-12

Matrix: Water Lab File ID: U1287595.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:53

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-081721 Lab Sample ID: 240-154716-12

Matrix: Water Lab File ID: U1287595.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:53

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		56-136
1868-53-7	Dibromofluoromethane (Surr)	102		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-081721 Lab Sample ID: 240-154716-12

Matrix: Water Lab File ID: U1287595.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:53

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-081721 Lab Sample ID: 240-154716-12

Matrix: Water Lab File ID: U1287595.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:53

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-081721 Lab Sample ID: 240-154716-13

Matrix: Water Lab File ID: U1287596.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:15

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-081721 Lab Sample ID: 240-154716-13

Matrix: Water Lab File ID: U1287596.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:15

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-081721 Lab Sample ID: 240-154716-13

Matrix: Water Lab File ID: U1287596.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:15

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-081721 Lab Sample ID: 240-154716-13

Matrix: Water Lab File ID: U1287596.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:15

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-081721 Lab Sample ID: 240-154716-13

Matrix: Water Lab File ID: U1287596.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:15

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-081721 Lab Sample ID: 240-154716-14

Matrix: Water Lab File ID: U1287597.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-081721 Lab Sample ID: 240-154716-14

Matrix: Water Lab File ID: U1287597.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-081721 Lab Sample ID: 240-154716-14

Matrix: Water Lab File ID: U1287597.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		56-136
1868-53-7	Dibromofluoromethane (Surr)	104		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		62-137
2037-26-5	Toluene-d8 (Surr)	91		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-081721 Lab Sample ID: 240-154716-14

Matrix: Water Lab File ID: U1287597.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-081721 Lab Sample ID: 240-154716-14

Matrix: Water Lab File ID: U1287597.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-081721 Lab Sample ID: 240-154716-15

Matrix: Water Lab File ID: U1287598.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-081721 Lab Sample ID: 240-154716-15

Matrix: Water Lab File ID: U1287598.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-081721 Lab Sample ID: 240-154716-15

Matrix: Water Lab File ID: U1287598.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-081721 Lab Sample ID: 240-154716-15

Matrix: Water Lab File ID: U1287598.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-081721 Lab Sample ID: 240-154716-15

Matrix: Water Lab File ID: U1287598.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-081721 Lab Sample ID: 240-154716-16

Matrix: Water Lab File ID: U1287599.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:05

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-081721 Lab Sample ID: 240-154716-16

Matrix: Water Lab File ID: U1287599.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:05

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-081721 Lab Sample ID: 240-154716-16

Matrix: Water Lab File ID: U1287599.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:05

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		56-136
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-081721 Lab Sample ID: 240-154716-16

Matrix: Water Lab File ID: U1287599.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:05

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-081721 Lab Sample ID: 240-154716-16

Matrix: Water Lab File ID: U1287599.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:05

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-081721 Lab Sample ID: 240-154716-17

Matrix: Water Lab File ID: U1287600.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:07

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:44

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-081721 Lab Sample ID: 240-154716-17

Matrix: Water Lab File ID: U1287600.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:07

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:44

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-081721 Lab Sample ID: 240-154716-17

Matrix: Water Lab File ID: U1287600.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:07

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:44

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		56-136
1868-53-7	Dibromofluoromethane (Surr)	100		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-081721 Lab Sample ID: 240-154716-17

Matrix: Water Lab File ID: U1287600.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:07

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:44

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-081721 Lab Sample ID: 240-154716-17

Matrix: Water Lab File ID: U1287600.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:07

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:44

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-081721 Lab Sample ID: 240-154716-18

Matrix: Water Lab File ID: U1287601.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:10

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:06

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-081721 Lab Sample ID: 240-154716-18

Matrix: Water Lab File ID: U1287601.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:10

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:06

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-081721 Lab Sample ID: 240-154716-18

Matrix: Water Lab File ID: U1287601.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:10

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:06

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		56-136
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-081721 Lab Sample ID: 240-154716-18

Matrix: Water Lab File ID: U1287601.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:10

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:06

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-081721 Lab Sample ID: 240-154716-18

Matrix: Water Lab File ID: U1287601.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:10

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:06

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-081721 Lab Sample ID: 240-154716-19

Matrix: Water Lab File ID: U1287602.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:12

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:28

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-081721 Lab Sample ID: 240-154716-19

Matrix: Water Lab File ID: U1287602.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:12

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:28

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-081721 Lab Sample ID: 240-154716-19

Matrix: Water Lab File ID: U1287602.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:12

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:28

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-081721 Lab Sample ID: 240-154716-19

Matrix: Water Lab File ID: U1287602.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:12

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:28

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-081721 Lab Sample ID: 240-154716-19

Matrix: Water Lab File ID: U1287602.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:12

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:28

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-081721 Lab Sample ID: 240-154716-20

Matrix: Water Lab File ID: U1287603.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:15

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-081721 Lab Sample ID: 240-154716-20

Matrix: Water Lab File ID: U1287603.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:15

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-081721 Lab Sample ID: 240-154716-20

Matrix: Water Lab File ID: U1287603.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:15

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		62-137
2037-26-5	Toluene-d8 (Surr)	89		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-081721 Lab Sample ID: 240-154716-20

Matrix: Water Lab File ID: U1287603.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:15

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-081721 Lab Sample ID: 240-154716-20

Matrix: Water Lab File ID: U1287603.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:15

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-081721 Lab Sample ID: 240-154716-21

Matrix: Water Lab File ID: U1287604.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:43

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 01:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-081721 Lab Sample ID: 240-154716-21

Matrix: Water Lab File ID: U1287604.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:43

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 01:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-081721 Lab Sample ID: 240-154716-21

Matrix: Water Lab File ID: U1287604.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:43

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 01:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		62-137
2037-26-5	Toluene-d8 (Surr)	97		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-081721 Lab Sample ID: 240-154716-21

Matrix: Water Lab File ID: U1287604.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:43

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 01:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-081721 Lab Sample ID: 240-154716-21

Matrix: Water Lab File ID: U1287604.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:43

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 01:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-081721 Lab Sample ID: 240-154716-22

Matrix: Water Lab File ID: U1287605.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:45

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-081721 Lab Sample ID: 240-154716-22

Matrix: Water Lab File ID: U1287605.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:45

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-081721 Lab Sample ID: 240-154716-22

Matrix: Water Lab File ID: U1287605.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:45

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	91		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		62-137
2037-26-5	Toluene-d8 (Surr)	88		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-081721 Lab Sample ID: 240-154716-22

Matrix: Water Lab File ID: U1287605.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:45

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-081721 Lab Sample ID: 240-154716-22

Matrix: Water Lab File ID: U1287605.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:45

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-081721 Lab Sample ID: 240-154716-23

Matrix: Water Lab File ID: U1287644.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:47

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:54

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-081721 Lab Sample ID: 240-154716-23

Matrix: Water Lab File ID: U1287644.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:47

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:54

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-081721 Lab Sample ID: 240-154716-23

Matrix: Water Lab File ID: U1287644.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:47

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:54

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-081721 Lab Sample ID: 240-154716-23

Matrix: Water Lab File ID: U1287644.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:47

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:54

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.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-081721 Lab Sample ID: 240-154716-23

Matrix: Water Lab File ID: U1287644.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:47

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:54

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.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-081721 Lab Sample ID: 240-154716-24

Matrix: Water Lab File ID: U1287607.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-081721 Lab Sample ID: 240-154716-24

Matrix: Water Lab File ID: U1287607.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-081721 Lab Sample ID: 240-154716-24

Matrix: Water Lab File ID: U1287607.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	98		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-081721 Lab Sample ID: 240-154716-24

Matrix: Water Lab File ID: U1287607.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-081721 Lab Sample ID: 240-154716-24

Matrix: Water Lab File ID: U1287607.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-081721 Lab Sample ID: 240-154716-25

Matrix: Water Lab File ID: U1287645.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:16

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-081721 Lab Sample ID: 240-154716-25

Matrix: Water Lab File ID: U1287645.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:16

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-081721 Lab Sample ID: 240-154716-25

Matrix: Water Lab File ID: U1287645.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:16

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-081721 Lab Sample ID: 240-154716-25

Matrix: Water Lab File ID: U1287645.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:16

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.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-081721 Lab Sample ID: 240-154716-25

Matrix: Water Lab File ID: U1287645.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:16

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.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-081721 Lab Sample ID: 240-154716-26

Matrix: Water Lab File ID: U1287646.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:35

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:38

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-081721 Lab Sample ID: 240-154716-26

Matrix: Water Lab File ID: U1287646.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:35

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:38

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-081721 Lab Sample ID: 240-154716-26

Matrix: Water Lab File ID: U1287646.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:35

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:38

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-081721 Lab Sample ID: 240-154716-26

Matrix: Water Lab File ID: U1287646.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:35

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:38

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.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-081721 Lab Sample ID: 240-154716-26

Matrix: Water Lab File ID: U1287646.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:35

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:38

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.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-081721 Lab Sample ID: 240-154716-27

Matrix: Water Lab File ID: U1287647.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:38

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-081721 Lab Sample ID: 240-154716-27

Matrix: Water Lab File ID: U1287647.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:38

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-081721 Lab Sample ID: 240-154716-27

Matrix: Water Lab File ID: U1287647.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:38

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-081721 Lab Sample ID: 240-154716-27

Matrix: Water Lab File ID: U1287647.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:38

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-081721 Lab Sample ID: 240-154716-27

Matrix: Water Lab File ID: U1287647.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:38

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-081721 Lab Sample ID: 240-154716-28

Matrix: Water Lab File ID: U1287648.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:40

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:23

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-081721 Lab Sample ID: 240-154716-28

Matrix: Water Lab File ID: U1287648.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:40

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:23

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-081721 Lab Sample ID: 240-154716-28

Matrix: Water Lab File ID: U1287648.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:40

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:23

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-081721 Lab Sample ID: 240-154716-28

Matrix: Water Lab File ID: U1287648.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:40

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:23

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.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-081721 Lab Sample ID: 240-154716-28

Matrix: Water Lab File ID: U1287648.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:40

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:23

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.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-081721 Lab Sample ID: 240-154716-29

Matrix: Water Lab File ID: U1287649.D

Analysis Method: 8260C Date Collected: 08/17/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:45

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-081721 Lab Sample ID: 240-154716-29

Matrix: Water Lab File ID: U1287649.D

Analysis Method: 8260C Date Collected: 08/17/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:45

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-081721 Lab Sample ID: 240-154716-29

Matrix: Water Lab File ID: U1287649.D

Analysis Method: 8260C Date Collected: 08/17/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:45

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	102		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		62-137
2037-26-5	Toluene-d8 (Surr)	96		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-081721 Lab Sample ID: 240-154716-29

Matrix: Water Lab File ID: U1287649.D

Analysis Method: 8260C Date Collected: 08/17/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:45

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-081721 Lab Sample ID: 240-154716-29

Matrix: Water Lab File ID: U1287649.D

Analysis Method: 8260C Date Collected: 08/17/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:45

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-081721 Lab Sample ID: 240-154716-30

Matrix: Water Lab File ID: U1287650.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-081721 Lab Sample ID: 240-154716-30

Matrix: Water Lab File ID: U1287650.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-081721 Lab Sample ID: 240-154716-30

Matrix: Water Lab File ID: U1287650.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		56-136
1868-53-7	Dibromofluoromethane (Surr)	96		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		62-137
2037-26-5	Toluene-d8 (Surr)	89		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-081721 Lab Sample ID: 240-154716-30

Matrix: Water Lab File ID: U1287650.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-081721 Lab Sample ID: 240-154716-30

Matrix: Water Lab File ID: U1287650.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-081721 Lab Sample ID: 240-154716-31

Matrix: Water Lab File ID: U1287651.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:25

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:29

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-081721 Lab Sample ID: 240-154716-31

Matrix: Water Lab File ID: U1287651.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:25

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:29

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-081721 Lab Sample ID: 240-154716-31

Matrix: Water Lab File ID: U1287651.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:25

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:29

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-081721 Lab Sample ID: 240-154716-31

Matrix: Water Lab File ID: U1287651.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:25

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:29

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.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-081721 Lab Sample ID: 240-154716-31

Matrix: Water Lab File ID: U1287651.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:25

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:29

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.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-081721 Lab Sample ID: 240-154716-32

Matrix: Water Lab File ID: U1287652.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:08

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:52

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-081721 Lab Sample ID: 240-154716-32

Matrix: Water Lab File ID: U1287652.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:08

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:52

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-081721 Lab Sample ID: 240-154716-32

Matrix: Water Lab File ID: U1287652.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:08

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:52

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		62-137
2037-26-5	Toluene-d8 (Surr)	91		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-081721 Lab Sample ID: 240-154716-32

Matrix: Water Lab File ID: U1287652.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:08

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:52

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-081721 Lab Sample ID: 240-154716-32

Matrix: Water Lab File ID: U1287652.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:08

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:52

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-081721 Lab Sample ID: 240-154716-33

Matrix: Water Lab File ID: U1287653.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 00:14

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-081721 Lab Sample ID: 240-154716-33

Matrix: Water Lab File ID: U1287653.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 00:14

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-081721 Lab Sample ID: 240-154716-33

Matrix: Water Lab File ID: U1287653.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 00:14

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		56-136
1868-53-7	Dibromofluoromethane (Surr)	95		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		62-137
2037-26-5	Toluene-d8 (Surr)	88		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-081721 Lab Sample ID: 240-154716-33

Matrix: Water Lab File ID: U1287653.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 00:14

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-081721 Lab Sample ID: 240-154716-33

Matrix: Water Lab File ID: U1287653.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 00:14

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

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

Appendix C

Support Documentation

ANALYTICAL REPORT

Job Number: 240-154716-1

SDG Number: Frog Mortar Creek

Job Description: MSA Surface Water

For:
Tetra Tech, Inc.
20251 Century Blvd
Suite 200
Germantown, MD 20874

Attention: Samantha Brenner

Approved for release.
Opal Johnson
Project Manager II
8/31/2021 6:42 AM

Designee for
Roxanne Cisneros, Senior Project Manager
4101 Shuffel Street NW, North Canton, OH, 44720
(615)301-5761
roxanne.cisneros@Eurofinset.com
08/31/2021

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.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

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.

5-215-3

North Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Baltimore #201

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 8/17/2021	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			SDG No.
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: MSA Surface Water Sampling	☐ 1 week			Sampler: J Mullis
Site: MSA Frog Mortar Creek	☐ 2 days			
PO #1179752, 112IC09343	☐ 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-SW37A-081721	8/17/2021	1118	SW	Water	3		x	
MSA-SW37B-081721	8/17/2021	1120	SW	Water	3		x	
MSA-SW37C-081721	8/17/2021	1122	SW	Water	3		x	
MSA-SW37D-081721	8/17/2021	1125	SW	Water	3		x	
MSA-SW38A-081721	8/17/2021	1013	SW	Water	3		x	
MSA-SW38B-081721	8/17/2021	1015	SW	Water	3		x	
MSA-SW38C-081721	8/17/2021	1017	SW	Water	3		x	
MSA-SW38D-081721	8/17/2021	1020	SW	Water	3		x	
MSA-SW40A-081721	8/17/2021	1055	SW	Water	3		x	
MSA-SW40B-081721	8/17/2021	1057	SW	Water	3		x	
MSA-SW40C-081721	8/17/2021	1100	SW	Water	3		x	
MSA-SW40D-081721	8/17/2021	1102	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:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Tetra Tech	8/17/2021 1320		BTO Belt	8/17/21 13 20
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	BTO Belt	8/17/21 1700		TA	8-18-21 990
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

08/31/2021

North Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Baltimore #201

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 8/17/2021	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			Sampler: J Mullis
Site: MSA Frog Mortar Creek	☐ 2 days			
PO #1179752, 112IC09343	☐ 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-081721	8/17/2021	0957	SW	Water	3		x	
MSA-SW41B-081721	8/17/2021	1000	SW	Water	3		x	
MSA-SW41C-081721	8/17/2021	1002	SW	Water	3		x	
MSA-SW41D-081721	8/17/2021	1005	SW	Water	3		x	
MSA-SW42A-081721	8/17/2021	1107	SW	Water	3		x	
MSA-SW42B-081721	8/17/2021	1110	SW	Water	3		x	
MSA-SW42C-081721	8/17/2021	1112	SW	Water	3		x	
MSA-SW42D-081721	8/17/2021	1115	SW	Water	3		x	
MSA-SW43A-081721	8/17/2021	0943	SW	Water	3		x	
MSA-SW43B-081721	8/17/2021	0945	SW	Water	3		x	
MSA-SW43C-081721	8/17/2021	0947	SW	Water	3		x	
MSA-SW43D-081721	8/17/2021	0950	SW	Water	3		x	
							2	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 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:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Tetra Tech Inc.	8/17/2021 1320		BT Analytical	8/17/21 1320
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	BT Analytical	8/17/21 1700		TA	8-18-21 930
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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 8/17/2021	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			SDG No.
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: MSA Surface Water Sampling	☐ 1 week			
Site: MSA Frog Mortar Creek	☐ 2 days			Sampler: J Mullis
PO #1179752, 112IC09343	☐ 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-SW44A-081721	8/17/2021	0930	SW	Water	3		x	
MSA-SW44B-081721	8/17/2021	0935	SW	Water	3		x	
MSA-SW44C-081721	8/17/2021	0936	SW	Water	3		x	
MSA-SW44D-081721	8/17/2021	0940	SW	Water	3		x	
TB-081721	8/17/2021	0000	SW	Water	2		x	
MSA-SW46A-081721	8/17/2021	1105	SW	Water	3		x	
MSA-SW47A-081721	8/17/2021	1025	SW	Water	3		x	
MSA-SW48A-081721	8/17/2021	1008	SW	Water	3		x	
MSA-SW49A-081721	8/17/2021	0955	SW	Water	3		x	
							2	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 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:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Tetra Tech Inc	8/17/2021 1320		TA Balt	8/17/21 1320
	TA Balt	8/17/21 1700		TA	8-18-21 940

08/31/2021

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # : 154716**
Canton Facility

Client Tetra tech Site Name _____ Cooler unpacked by: Brandon

Cooler Received on 8-18-21 Opened on 8-18-21

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # 14 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-11 (CF +0.1 °C) Observed Cooler Temp. 5.2 °C Corrected Cooler Temp. 5.3 °C
   IR GUN #IR-12 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____	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 (ID/Date/Time) be reconciled with the COC?	Yes	No
9. For each sample, does the COC specify preservatives(Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	Yes	No
11. Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# **HC157842**
14. Were VOAs on the COC?	Yes	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	No
17. 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 _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page | Samples processed by:

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) MSA-SW42B-081721 were received with bubble >6 mm in diameter. (Notify PM)

20. 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: _____

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
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: 240-154716-1

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 8/18/2021 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.3º C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples MSA-SW37A-081721 (240-154716-1), MSA-SW37B-081721 (240-154716-2), MSA-SW37C-081721 (240-154716-3), MSA-SW37D-081721 (240-154716-4), MSA-SW38A-081721 (240-154716-5), MSA-SW38B-081721 (240-154716-6), MSA-SW38C-081721 (240-154716-7), MSA-SW38D-081721 (240-154716-8), MSA-SW40A-081721 (240-154716-9), MSA-SW40B-081721 (240-154716-10), MSA-SW40C-081721 (240-154716-11), MSA-SW40D-081721 (240-154716-12), MSA-SW41A-081721 (240-154716-13), MSA-SW41B-081721 (240-154716-14), MSA-SW41C-081721 (240-154716-15), MSA-SW41D-081721 (240-154716-16), MSA-SW42A-081721 (240-154716-17), MSA-SW42B-081721 (240-154716-18), MSA-SW42C-081721 (240-154716-19), MSA-SW42D-081721 (240-154716-20), MSA-SW43A-081721 (240-154716-21), MSA-SW43B-081721 (240-154716-22), MSA-SW43C-081721 (240-154716-23), MSA-SW43D-081721 (240-154716-24), MSA-SW44A-081721 (240-154716-25), MSA-SW44B-081721 (240-154716-26), MSA-SW44C-081721 (240-154716-27), MSA-SW44D-081721 (240-154716-28), TB-081721 (240-154716-29), MSA-SW46A-081721 (240-154716-30), MSA-SW47A-081721 (240-154716-31), MSA-SW48A-081721 (240-154716-32) and MSA-SW49A-081721 (240-154716-33) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 08/21/2021, 08/23/2021, 08/24/2021, 08/26/2021 and 08/27/2021.

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-081721 (240-154716-1), MSA-SW37B-081721 (240-154716-2), MSA-SW37C-081721 (240-154716-3), MSA-SW37D-081721 (240-154716-4), MSA-SW38A-081721 (240-154716-5), MSA-SW38B-081721 (240-154716-6), MSA-SW38C-081721 (240-154716-7), MSA-SW38D-081721 (240-154716-8), MSA-SW40A-081721 (240-154716-9), MSA-SW40B-081721 (240-154716-10), MSA-SW40C-081721 (240-154716-11), MSA-SW40D-081721 (240-154716-12), MSA-SW41A-081721 (240-154716-13), MSA-SW41B-081721 (240-154716-14), MSA-SW41C-081721 (240-154716-15), MSA-SW41D-081721 (240-154716-16), MSA-SW42A-081721 (240-154716-17), MSA-SW42B-081721 (240-154716-18), MSA-SW42C-081721 (240-154716-19), MSA-SW42D-081721 (240-154716-20), MSA-SW43A-081721 (240-154716-21), MSA-SW43B-081721 (240-154716-22) and MSA-SW43D-081721 (240-154716-24). 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) associated with batch 240-500502 recovered above the upper control limit for some analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MSA-SW37A-081721 (240-154716-1), MSA-SW37B-081721 (240-154716-2), MSA-SW37C-081721 (240-154716-3), MSA-SW37D-081721 (240-154716-4) and (CCVIS 240-500502/4).

The continuing calibration verification (CCV) analyzed in batch 240-500679 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 continuing calibration verification (CCV) analyzed in batch 240-501270 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 laboratory control sample (LCS) for analytical batch 240-500502 recovered outside control limits for 2-butanone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 240-500679 recovered outside control limits for acetone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 240-501270 recovered outside control limits for 2-methyl-2-propanol, and acetone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

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-081721	240-154716-1	98	113	94	97
MSA-SW37B-081721	240-154716-2	97	108	91	98
MSA-SW37C-081721	240-154716-3	100	117	95	99
MSA-SW37D-081721	240-154716-4	93	111	91	90
MSA-SW38A-081721	240-154716-5	96	110	89	94
MSA-SW38B-081721	240-154716-6	99	111	92	96
MSA-SW38C-081721	240-154716-7	97	114	93	99
MSA-SW38D-081721	240-154716-8	100	113	94	98
MSA-SW40A-081721	240-154716-9	102	111	92	97
MSA-SW40B-081721	240-154716-10	105	113	93	98
MSA-SW40C-081721	240-154716-11	101	115	95	100
MSA-SW40D-081721	240-154716-12	102	114	93	97
MSA-SW41A-081721	240-154716-13	106	115	94	98
MSA-SW41B-081721	240-154716-14	104	114	91	94
MSA-SW41C-081721	240-154716-15	99	112	93	98
MSA-SW41D-081721	240-154716-16	99	110	92	92
MSA-SW42A-081721	240-154716-17	100	109	93	95
MSA-SW42B-081721	240-154716-18	107	117	95	100
MSA-SW42C-081721	240-154716-19	105	116	93	95
MSA-SW42D-081721	240-154716-20	97	107	89	92
MSA-SW43A-081721	240-154716-21	105	120	97	103
MSA-SW43B-081721	240-154716-22	97	104	88	91
MSA-SW43C-081721	240-154716-23	105	113	92	99
MSA-SW43D-081721	240-154716-24	98	111	93	99
MSA-SW44A-081721	240-154716-25	105	112	93	100
MSA-SW44B-081721	240-154716-26	107	119	94	103
MSA-SW44C-081721	240-154716-27	106	113	94	103
MSA-SW44D-081721	240-154716-28	97	115	92	98
TB-081721	240-154716-29	102	116	96	103
MSA-SW46A-081721	240-154716-30	96	108	89	94
MSA-SW47A-081721	240-154716-31	97	112	95	98
MSA-SW48A-081721	240-154716-32	97	109	91	96
MSA-SW49A-081721	240-154716-33	95	109	88	92
	MB 240-500502/8	106	117	98	101
	MB 240-500679/8	104	116	98	103

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	73-120
DCA = 1,2-Dichloroethane-d4 (Surr)	62-137
TOL = Toluene-d8 (Surr)	78-122
BFB = 4-Bromofluorobenzene (Surr)	56-136

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	MB 240-501270/8	110	119	95	102
	LCS 240-500502/5	104	108	89	95
	LCS 240-500679/5	99	107	89	97
	LCS 240-501270/5	110	114	93	97
	240-154707-E-5 MS	95	100	90	96
	200-59769-B-1 MS	109	110	95	97
	240-154707-H-5 MSD	101	106	90	95
	200-59769-B-1 MSD	108	108	92	95

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	73-120
DCA = 1,2-Dichloroethane-d4 (Surr)	62-137
TOL = Toluene-d8 (Surr)	78-122
BFB = 4-Bromofluorobenzene (Surr)	56-136

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287552.D

Lab ID: LCS 240-500502/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	55.4	138	50-149	
Benzene	20.0	21.5	107	77-123	
Bromobenzene	20.0	20.2	101	80-122	
Bromochloromethane	20.0	21.7	108	71-121	
Bromodichloromethane	20.0	21.9	109	69-126	
Bromoform	20.0	19.4	97	57-129	
Bromomethane	20.0	18.5	93	36-142	
2-Butanone	40.0	65.5	164	54-156	*+
Carbon disulfide	20.0	23.0	115	43-140	
Carbon tetrachloride	20.0	22.8	114	55-137	
Chlorobenzene	20.0	19.8	99	80-121	
Chloroethane	20.0	18.2	91	38-152	
2-Chloroethyl vinyl ether	20.0	24.3	122	40-157	
Chloroform	20.0	22.1	110	74-122	
Chloromethane	20.0	19.4	97	47-143	
2-Chlorotoluene	20.0	20.2	101	79-124	
4-Chlorotoluene	20.0	19.9	100	80-125	
cis-1,2-Dichloroethene	20.0	22.2	111	77-123	
cis-1,3-Dichloropropene	20.0	21.0	105	64-130	
Dibromochloromethane	20.0	20.8	104	70-124	
1,2-Dibromo-3-Chloropropane	20.0	21.4	107	53-135	
1,2-Dibromoethane	20.0	20.9	104	71-134	
Dibromomethane	20.0	23.4	117	67-131	
1,2-Dichlorobenzene	20.0	20.4	102	78-120	
1,3-Dichlorobenzene	20.0	20.0	100	80-120	
1,4-Dichlorobenzene	20.0	19.6	98	80-120	
Dichlorodifluoromethane	20.0	22.7	114	34-153	
1,1-Dichloroethane	20.0	21.6	108	72-127	
1,2-Dichloroethane	20.0	21.9	110	66-128	
1,1-Dichloroethene	20.0	21.9	109	63-134	
1,2-Dichloropropane	20.0	21.9	110	75-133	
1,3-Dichloropropane	20.0	20.3	101	68-139	
2,2-Dichloropropane	20.0	22.5	112	48-142	
1,1-Dichloropropene	20.0	21.1	106	71-124	
Ethylbenzene	20.0	20.6	103	80-121	
Hexachlorobutadiene	20.0	21.2	106	37-162	
2-Hexanone	40.0	47.7	119	43-167	
Isopropylbenzene	20.0	20.5	103	74-128	
Methylene Chloride	20.0	20.3	102	71-125	
4-Methyl-2-pentanone	40.0	46.2	115	46-158	
Methyl tert-butyl ether	20.0	21.6	108	65-126	
m-Xylene & p-Xylene	20.0	20.2	101	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287552.D

Lab ID: LCS 240-500502/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	21.8	109	53-138	
n-Butylbenzene	20.0	20.5	102	62-139	
n-Propylbenzene	20.0	20.7	103	76-127	
o-Xylene	20.0	20.0	100	80-123	
p-Isopropyltoluene	20.0	20.8	104	71-132	
sec-Butylbenzene	20.0	21.0	105	69-135	
Styrene	20.0	19.9	99	80-135	
tert-Butyl alcohol	200	283	141	33-153	
tert-Butylbenzene	20.0	21.0	105	64-134	
1,1,1,2-Tetrachloroethane	20.0	18.8	94	71-124	
1,1,2,2-Tetrachloroethane	20.0	21.3	107	58-157	
Tetrachloroethene	20.0	21.4	107	76-123	
Toluene	20.0	19.9	99	80-123	
trans-1,2-Dichloroethene	20.0	22.2	111	75-124	
trans-1,3-Dichloropropene	20.0	20.1	100	57-129	
1,2,3-Trichlorobenzene	20.0	20.7	104	45-149	
1,2,4-Trichlorobenzene	20.0	20.7	104	44-147	
1,1,1-Trichloroethane	20.0	22.4	112	64-131	
Trichloroethene	20.0	20.9	104	70-122	
Trichlorofluoromethane	20.0	20.4	102	30-170	
1,2,3-Trichloropropane	20.0	21.3	106	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	22.9	115	51-146	
1,2,4-Trimethylbenzene	20.0	20.9	104	77-129	
Vinyl acetate	20.0	22.0	110	44-145	
Vinyl chloride	20.0	19.7	98	60-144	
Xylenes, Total	40.0	40.2	101	80-121	

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287584.D

Lab ID: LCS 240-500679/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	61.5	154	50-149	*+
Benzene	20.0	20.4	102	77-123	
Bromobenzene	20.0	19.9	100	80-122	
Bromochloromethane	20.0	20.3	102	71-121	
Bromodichloromethane	20.0	21.7	108	69-126	
Bromoform	20.0	20.5	102	57-129	
Bromomethane	20.0	14.3	71	36-142	
2-Butanone	40.0	59.6	149	54-156	
Carbon disulfide	20.0	20.2	101	43-140	
Carbon tetrachloride	20.0	20.3	101	55-137	
Chlorobenzene	20.0	19.3	96	80-121	
Chloroethane	20.0	14.5	73	38-152	
2-Chloroethyl vinyl ether	20.0	26.0	130	40-157	
Chloroform	20.0	20.4	102	74-122	
Chloromethane	20.0	14.3	72	47-143	
2-Chlorotoluene	20.0	19.7	98	79-124	
4-Chlorotoluene	20.0	20.3	101	80-125	
cis-1,2-Dichloroethene	20.0	20.2	101	77-123	
cis-1,3-Dichloropropene	20.0	21.7	109	64-130	
Dibromochloromethane	20.0	21.1	105	70-124	
1,2-Dibromo-3-Chloropropane	20.0	21.9	109	53-135	
1,2-Dibromoethane	20.0	20.6	103	71-134	
Dibromomethane	20.0	23.1	115	67-131	
1,2-Dichlorobenzene	20.0	19.9	99	78-120	
1,3-Dichlorobenzene	20.0	19.6	98	80-120	
1,4-Dichlorobenzene	20.0	19.6	98	80-120	
Dichlorodifluoromethane	20.0	15.3	76	34-153	
1,1-Dichloroethane	20.0	19.4	97	72-127	
1,2-Dichloroethane	20.0	21.8	109	66-128	
1,1-Dichloroethene	20.0	18.9	94	63-134	
1,2-Dichloropropane	20.0	21.4	107	75-133	
1,3-Dichloropropane	20.0	20.7	103	68-139	
2,2-Dichloropropane	20.0	19.5	97	48-142	
1,1-Dichloropropene	20.0	19.8	99	71-124	
Ethylbenzene	20.0	19.7	98	80-121	
Hexachlorobutadiene	20.0	19.9	99	37-162	
2-Hexanone	40.0	43.1	108	43-167	
Isopropylbenzene	20.0	18.6	93	74-128	
Methylene Chloride	20.0	17.7	89	71-125	
4-Methyl-2-pentanone	40.0	46.1	115	46-158	
Methyl tert-butyl ether	20.0	20.6	103	65-126	
m-Xylene & p-Xylene	20.0	19.4	97	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287584.D

Lab ID: LCS 240-500679/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	20.5	103	53-138	
n-Butylbenzene	20.0	19.7	99	62-139	
n-Propylbenzene	20.0	19.6	98	76-127	
o-Xylene	20.0	19.0	95	80-123	
p-Isopropyltoluene	20.0	20.2	101	71-132	
sec-Butylbenzene	20.0	20.0	100	69-135	
Styrene	20.0	19.4	97	80-135	
tert-Butyl alcohol	200	255	128	33-153	
tert-Butylbenzene	20.0	20.7	104	64-134	
1,1,1,2-Tetrachloroethane	20.0	18.3	91	71-124	
1,1,2,2-Tetrachloroethane	20.0	21.3	106	58-157	
Tetrachloroethene	20.0	20.2	101	76-123	
Toluene	20.0	19.1	95	80-123	
trans-1,2-Dichloroethene	20.0	19.1	95	75-124	
trans-1,3-Dichloropropene	20.0	20.7	103	57-129	
1,2,3-Trichlorobenzene	20.0	19.3	96	45-149	
1,2,4-Trichlorobenzene	20.0	19.5	98	44-147	
1,1,1-Trichloroethane	20.0	20.0	100	64-131	
Trichloroethene	20.0	21.4	107	70-122	
Trichlorofluoromethane	20.0	16.1	81	30-170	
1,2,3-Trichloropropane	20.0	21.2	106	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	20.3	101	51-146	
1,2,4-Trimethylbenzene	20.0	19.9	99	77-129	
Vinyl acetate	20.0	20.5	102	44-145	
Vinyl chloride	20.0	15.5	78	60-144	
Xylenes, Total	40.0	38.4	96	80-121	

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287640.D

Lab ID: LCS 240-501270/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	71.5	179	50-149	*+
Benzene	20.0	21.0	105	77-123	
Bromobenzene	20.0	20.1	101	80-122	
Bromochloromethane	20.0	22.3	111	71-121	
Bromodichloromethane	20.0	21.8	109	69-126	
Bromoform	20.0	20.9	104	57-129	
Bromomethane	20.0	16.3	81	36-142	
2-Butanone	40.0	60.1	150	54-156	
Carbon disulfide	20.0	21.8	109	43-140	
Carbon tetrachloride	20.0	21.8	109	55-137	
Chlorobenzene	20.0	19.7	99	80-121	
Chloroethane	20.0	16.2	81	38-152	
2-Chloroethyl vinyl ether	20.0	23.4	117	40-157	
Chloroform	20.0	21.3	107	74-122	
Chloromethane	20.0	15.6	78	47-143	
2-Chlorotoluene	20.0	20.1	100	79-124	
4-Chlorotoluene	20.0	19.8	99	80-125	
cis-1,2-Dichloroethene	20.0	22.4	112	77-123	
cis-1,3-Dichloropropene	20.0	19.9	100	64-130	
Dibromochloromethane	20.0	21.3	106	70-124	
1,2-Dibromo-3-Chloropropane	20.0	24.2	121	53-135	
1,2-Dibromoethane	20.0	20.1	100	71-134	
Dibromomethane	20.0	24.5	122	67-131	
1,2-Dichlorobenzene	20.0	20.7	103	78-120	
1,3-Dichlorobenzene	20.0	20.0	100	80-120	
1,4-Dichlorobenzene	20.0	19.4	97	80-120	
Dichlorodifluoromethane	20.0	15.5	77	34-153	
1,1-Dichloroethane	20.0	21.0	105	72-127	
1,2-Dichloroethane	20.0	21.5	107	66-128	
1,1-Dichloroethene	20.0	20.3	101	63-134	
1,2-Dichloropropane	20.0	21.4	107	75-133	
1,3-Dichloropropane	20.0	19.8	99	68-139	
2,2-Dichloropropane	20.0	23.0	115	48-142	
1,1-Dichloropropene	20.0	19.9	100	71-124	
Ethylbenzene	20.0	20.5	102	80-121	
Hexachlorobutadiene	20.0	22.5	113	37-162	
2-Hexanone	40.0	43.2	108	43-167	
Isopropylbenzene	20.0	19.8	99	74-128	
Methylene Chloride	20.0	19.6	98	71-125	
4-Methyl-2-pentanone	40.0	46.4	116	46-158	
Methyl tert-butyl ether	20.0	22.5	113	65-126	
m-Xylene & p-Xylene	20.0	20.0	100	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287640.D

Lab ID: LCS 240-501270/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	24.0	120	53-138	
n-Butylbenzene	20.0	20.4	102	62-139	
n-Propylbenzene	20.0	20.2	101	76-127	
o-Xylene	20.0	20.1	100	80-123	
p-Isopropyltoluene	20.0	20.6	103	71-132	
sec-Butylbenzene	20.0	20.1	100	69-135	
Styrene	20.0	19.8	99	80-135	
tert-Butyl alcohol	200	564	282	33-153	*+
tert-Butylbenzene	20.0	20.3	101	64-134	
1,1,1,2-Tetrachloroethane	20.0	19.5	97	71-124	
1,1,2,2-Tetrachloroethane	20.0	21.7	108	58-157	
Tetrachloroethene	20.0	21.4	107	76-123	
Toluene	20.0	19.6	98	80-123	
trans-1,2-Dichloroethene	20.0	21.3	107	75-124	
trans-1,3-Dichloropropene	20.0	19.2	96	57-129	
1,2,3-Trichlorobenzene	20.0	23.4	117	45-149	
1,2,4-Trichlorobenzene	20.0	22.3	111	44-147	
1,1,1-Trichloroethane	20.0	21.8	109	64-131	
Trichloroethene	20.0	20.4	102	70-122	
Trichlorofluoromethane	20.0	17.5	87	30-170	
1,2,3-Trichloropropane	20.0	21.9	110	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	21.8	109	51-146	
1,2,4-Trimethylbenzene	20.0	20.3	102	77-129	
Vinyl acetate	20.0	19.2	96	44-145	
Vinyl chloride	20.0	16.9	85	60-144	
Xylenes, Total	40.0	40.1	100	80-121	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287564.D

Lab ID: 240-154707-E-5 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acetone	40.0	10 U	47.4	118	33-149	
Benzene	20.0	1.0 U	20.5	102	64-128	
Bromobenzene	20.0	1.0 U	20.5	103	77-120	
Bromochloromethane	20.0	1.0 U	19.0	95	65-124	
Bromodichloromethane	20.0	1.0 U	20.6	103	62-125	
Bromoform	20.0	1.0 U	18.8	94	47-125	
Bromomethane	20.0	1.0 U	15.8	79	28-150	
2-Butanone	40.0	10 U	55.0	137	40-151	
Carbon tetrachloride	20.0	1.0 U	19.3	96	51-133	
Chlorobenzene	20.0	1.0 U	19.7	99	74-121	
Chloroethane	20.0	1.0 U	16.2	81	10-199	
Chloroform	20.0	1.0 U	19.7	98	70-122	
Chloromethane	20.0	1.0 U	17.3	86	32-149	
2-Chlorotoluene	20.0	1.0 U	19.9	100	75-120	
4-Chlorotoluene	20.0	1.0 U	20.7	103	75-120	
cis-1,2-Dichloroethene	20.0	1.0 U	19.8	99	66-128	
cis-1,3-Dichloropropene	20.0	1.0 U	20.6	103	47-125	
Dibromochloromethane	20.0	1.0 U	20.2	101	65-120	
1,2-Dibromo-3-Chloropropane	20.0	2.0 U	20.2	101	41-129	
1,2-Dibromoethane	20.0	1.0 U	21.0	105	69-125	
Dibromomethane	20.0	1.0 U	21.4	107	64-126	
1,2-Dichlorobenzene	20.0	1.0 U	20.2	101	73-120	
1,3-Dichlorobenzene	20.0	1.0 U	19.7	98	73-120	
1,4-Dichlorobenzene	20.0	1.0 U	19.6	98	74-120	
Dichlorodifluoromethane	20.0	1.0 U	17.4	87	38-139	
1,1-Dichloroethane	20.0	1.0 U	19.0	95	68-125	
1,2-Dichloroethane	20.0	1.0 U	20.9	105	63-126	
1,1-Dichloroethene	20.0	1.0 U	18.2	91	56-135	
1,2-Dichloropropane	20.0	1.0 U	20.8	104	69-130	
1,3-Dichloropropane	20.0	1.0 U	21.0	105	72-122	
2,2-Dichloropropane	20.0	1.0 U	19.4	97	38-145	
1,1-Dichloropropene	20.0	1.0 U	19.7	99	59-125	
Ethylbenzene	20.0	1.0 U	20.1	101	67-127	
Hexachlorobutadiene	20.0	1.0 U	19.1	95	24-165	
Isopropylbenzene	20.0	1.0 U	18.6	93	64-129	
Methylene Chloride	20.0	5.0 U	17.4	87	62-129	
4-Methyl-2-pentanone	40.0	10 U	41.3	103	31-153	
Methyl tert-butyl ether	20.0	1.0 U	19.3	97	47-134	
m-Xylene & p-Xylene	20.0	2.0 U	19.3	97	71-123	
Naphthalene	20.0	1.0 U	20.8	104	49-139	
n-Butylbenzene	20.0	1.0 U	20.0	100	51-134	
n-Propylbenzene	20.0	1.0 U	20.8	104	67-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287564.D

Lab ID: 240-154707-E-5 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
o-Xylene	20.0	1.0 U	18.8	94	70-125	
p-Isopropyltoluene	20.0	1.0 U	20.1	101	64-128	
sec-Butylbenzene	20.0	1.0 U	20.6	103	62-130	
Styrene	20.0	1.0 U	19.7	99	70-139	
tert-Butylbenzene	20.0	1.0 U	21.4	107	47-140	
1,1,1,2-Tetrachloroethane	20.0	1.0 U	17.7	89	68-121	
1,1,2,2-Tetrachloroethane	20.0	1.0 U	21.7	108	54-145	
Tetrachloroethene	20.0	1.0 U	20.2	101	62-131	
Toluene	20.0	1.0 U	20.0	100	58-135	
trans-1,2-Dichloroethene	20.0	1.0 U	19.0	95	56-136	
trans-1,3-Dichloropropene	20.0	1.0 U	20.0	100	47-120	
1,2,3-Trichlorobenzene	20.0	1.0 U	19.5	97	46-148	
1,2,4-Trichlorobenzene	20.0	1.0 U	19.3	96	29-156	
1,1,1-Trichloroethane	20.0	1.0 U	19.1	95	60-130	
Trichloroethene	20.0	0.59 J	20.9	102	61-124	
Trichlorofluoromethane	20.0	1.0 U	17.8	89	24-177	
1,2,3-Trichloropropane	20.0	1.0 U	21.3	107	54-134	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	1.0 U	20.0	100	41-147	
1,2,4-Trimethylbenzene	20.0	1.0 U	20.4	102	69-125	
Vinyl chloride	20.0	1.0 U	17.5	87	43-157	
Xylenes, Total	40.0	2.0 U	38.1	95	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287656.D

Lab ID: 200-59769-B-1 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acetone	800	200 U	1080	136	33-149	
Benzene	400	20 U	403	101	64-128	
Bromobenzene	400	20 U	408	102	77-120	
Bromochloromethane	400	20 U	439	110	65-124	
Bromodichloromethane	400	20 U	412	103	62-125	
Bromoform	400	20 U	356	89	47-125	
Bromomethane	400	20 U	323	81	28-150	
2-Butanone	800	200 U	1110	139	40-151	
Carbon disulfide	400	20 U	402	101	38-140	
Carbon tetrachloride	400	20 U	397	99	51-133	
Chlorobenzene	400	20 U	379	95	74-121	
Chloroethane	400	20 U	327	82	10-199	
2-Chloroethyl vinyl ether	400	200 U	80.3 J	20	10-120	
Chloroform	400	20 U	423	106	70-122	
Chloromethane	400	20 U	302	76	32-149	
2-Chlorotoluene	400	20 U	407	102	75-120	
4-Chlorotoluene	400	20 U	399	100	75-120	
cis-1,2-Dichloroethene	400	440	864	106	66-128	
cis-1,3-Dichloropropene	400	20 U	372	93	47-125	
Dibromochloromethane	400	20 U	397	99	65-120	
1,2-Dibromo-3-Chloropropane	400	40 U	423	106	41-129	
1,2-Dibromoethane	400	20 U	381	95	69-125	
Dibromomethane	400	20 U	452	113	64-126	
1,2-Dichlorobenzene	400	20 U	410	102	73-120	
1,3-Dichlorobenzene	400	20 U	402	100	73-120	
1,4-Dichlorobenzene	400	20 U	391	98	74-120	
Dichlorodifluoromethane	400	20 U	274	68	38-139	
1,1-Dichloroethane	400	20 U	407	102	68-125	
1,2-Dichloroethane	400	20 U	420	105	63-126	
1,1-Dichloroethene	400	20 U	389	97	56-135	
1,2-Dichloropropane	400	20 U	401	100	69-130	
1,3-Dichloropropane	400	20 U	384	96	72-122	
2,2-Dichloropropane	400	20 U	429	107	38-145	
1,1-Dichloropropene	400	20 U	374	94	59-125	
Ethylbenzene	400	20 U	393	98	67-127	
Hexachlorobutadiene	400	20 U	358	89	24-165	
2-Hexanone	800	200 U	774	97	35-156	
Isopropylbenzene	400	20 U	368	92	64-129	
Methylene Chloride	400	100 U	389	97	62-129	
4-Methyl-2-pentanone	800	200 U	821	103	31-153	
Methyl tert-butyl ether	400	20 U	431	108	47-134	
m-Xylene & p-Xylene	400	40 U	381	95	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287656.D

Lab ID: 200-59769-B-1 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Naphthalene	400	20 U	437	109	49-139	
n-Butylbenzene	400	20 U	379	95	51-134	
n-Propylbenzene	400	20 U	401	100	67-122	
o-Xylene	400	20 U	387	97	70-125	
p-Isopropyltoluene	400	20 U	399	100	64-128	
sec-Butylbenzene	400	20 U	394	99	62-130	
Styrene	400	20 U	371	93	70-139	
tert-Butylbenzene	400	20 U	398	99	47-140	
1,1,1,2-Tetrachloroethane	400	20 U	379	95	68-121	
1,1,2,2-Tetrachloroethane	400	20 U	438	110	54-145	
Tetrachloroethene	400	320	710	98	62-131	
Toluene	400	20 U	383	96	58-135	
trans-1,2-Dichloroethene	400	20 U	410	103	56-136	
trans-1,3-Dichloropropene	400	20 U	357	89	47-120	
1,2,3-Trichlorobenzene	400	20 U	412	103	46-148	
1,2,4-Trichlorobenzene	400	20 U	402	100	29-156	
1,1,1-Trichloroethane	400	20 U	411	103	60-130	
Trichloroethene	400	140	544	100	61-124	
Trichlorofluoromethane	400	20 U	349	87	24-177	
1,2,3-Trichloropropane	400	20 U	445	111	54-134	
1,1,2-Trichloro-1,2,2-trichfluoroethane	400	20 U	401	100	41-147	
1,2,4-Trimethylbenzene	400	20 U	418	104	69-125	
Vinyl acetate	400	40 U	350	87	28-131	
Vinyl chloride	400	78	403	81	43-157	
Xylenes, Total	800	40 U	768	96	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287565.D

Lab ID: 240-154707-H-5 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	40.0	55.0	138	15	34	33-149	
Benzene	20.0	20.6	103	0	14	64-128	
Bromobenzene	20.0	20.1	101	2	16	77-120	
Bromochloromethane	20.0	19.9	100	5	15	65-124	
Bromodichloromethane	20.0	20.9	104	1	13	62-125	
Bromoform	20.0	18.9	94	0	15	47-125	
Bromomethane	20.0	15.9	79	0	26	28-150	
2-Butanone	40.0	56.0	140	2	20	40-151	
Carbon tetrachloride	20.0	19.4	97	1	24	51-133	
Chlorobenzene	20.0	19.3	97	2	14	74-121	
Chloroethane	20.0	15.6	78	4	30	10-199	
Chloroform	20.0	19.7	99	0	14	70-122	
Chloromethane	20.0	17.2	86	0	27	32-149	
2-Chlorotoluene	20.0	19.0	95	5	19	75-120	
4-Chlorotoluene	20.0	19.4	97	6	18	75-120	
cis-1,2-Dichloroethene	20.0	19.9	99	0	14	66-128	
cis-1,3-Dichloropropene	20.0	20.4	102	1	13	47-125	
Dibromochloromethane	20.0	20.1	101	0	13	65-120	
1,2-Dibromo-3-Chloropropane	20.0	20.8	104	3	22	41-129	
1,2-Dibromoethane	20.0	20.5	102	2	14	69-125	
Dibromomethane	20.0	22.4	112	4	12	64-126	
1,2-Dichlorobenzene	20.0	19.6	98	3	14	73-120	
1,3-Dichlorobenzene	20.0	19.5	97	1	14	73-120	
1,4-Dichlorobenzene	20.0	19.3	96	2	15	74-120	
Dichlorodifluoromethane	20.0	18.5	93	6	35	38-139	
1,1-Dichloroethane	20.0	19.5	97	3	13	68-125	
1,2-Dichloroethane	20.0	21.3	107	2	12	63-126	
1,1-Dichloroethene	20.0	18.6	93	2	26	56-135	
1,2-Dichloropropane	20.0	21.2	106	2	13	69-130	
1,3-Dichloropropane	20.0	21.0	105	0	14	72-122	
2,2-Dichloropropane	20.0	19.2	96	1	21	38-145	
1,1-Dichloropropene	20.0	19.7	99	0	24	59-125	
Ethylbenzene	20.0	18.8	94	7	15	67-127	
Hexachlorobutadiene	20.0	18.5	92	3	35	24-165	
Isopropylbenzene	20.0	18.2	91	2	18	64-129	
Methylene Chloride	20.0	17.7	88	2	17	62-129	
4-Methyl-2-pentanone	40.0	44.5	111	7	15	31-153	
Methyl tert-butyl ether	20.0	19.4	97	0	16	47-134	
m-Xylene & p-Xylene	20.0	19.2	96	1	16	71-123	
Naphthalene	20.0	21.2	106	2	21	49-139	
n-Butylbenzene	20.0	19.2	96	4	28	51-134	
n-Propylbenzene	20.0	19.2	96	8	22	67-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287565.D

Lab ID: 240-154707-H-5 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
o-Xylene	20.0	19.3	96	2	15	70-125	
p-Isopropyltoluene	20.0	19.8	99	2	23	64-128	
sec-Butylbenzene	20.0	19.4	97	6	28	62-130	
Styrene	20.0	19.9	99	1	18	70-139	
tert-Butylbenzene	20.0	20.8	104	3	24	47-140	
1,1,1,2-Tetrachloroethane	20.0	17.3	87	2	14	68-121	
1,1,2,2-Tetrachloroethane	20.0	21.1	105	3	15	54-145	
Tetrachloroethene	20.0	20.2	101	0	20	62-131	
Toluene	20.0	19.5	97	3	14	58-135	
trans-1,2-Dichloroethene	20.0	19.0	95	0	15	56-136	
trans-1,3-Dichloropropene	20.0	20.0	100	0	14	47-120	
1,2,3-Trichlorobenzene	20.0	20.0	100	3	23	46-148	
1,2,4-Trichlorobenzene	20.0	18.8	94	2	19	29-156	
1,1,1-Trichloroethane	20.0	19.5	97	2	17	60-130	
Trichloroethene	20.0	21.2	103	2	15	61-124	
Trichlorofluoromethane	20.0	17.5	88	2	34	24-177	
1,2,3-Trichloropropane	20.0	20.5	103	4	17	54-134	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	20.0	100	0	35	41-147	
1,2,4-Trimethylbenzene	20.0	19.7	98	4	20	69-125	
Vinyl chloride	20.0	17.4	87	0	24	43-157	
Xylenes, Total	40.0	38.5	96	1	15	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287657.D

Lab ID: 200-59769-B-1 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	800	1150	144	6	34	33-149	
Benzene	400	412	103	2	14	64-128	
Bromobenzene	400	408	102	0	16	77-120	
Bromochloromethane	400	422	106	4	15	65-124	
Bromodichloromethane	400	425	106	3	13	62-125	
Bromoform	400	394	99	10	15	47-125	
Bromomethane	400	313	78	3	26	28-150	
2-Butanone	800	1360	170	20	20	40-151	F1
Carbon disulfide	400	417	104	4	23	38-140	
Carbon tetrachloride	400	416	104	5	24	51-133	
Chlorobenzene	400	381	95	1	14	74-121	
Chloroethane	400	315	79	4	30	10-199	
2-Chloroethyl vinyl ether	400	71.3 J	18	12	35	10-120	
Chloroform	400	423	106	0	14	70-122	
Chloromethane	400	293	73	3	27	32-149	
2-Chlorotoluene	400	396	99	3	19	75-120	
4-Chlorotoluene	400	387	97	3	18	75-120	
cis-1,2-Dichloroethene	400	864	106	0	14	66-128	
cis-1,3-Dichloropropene	400	391	98	5	13	47-125	
Dibromochloromethane	400	401	100	1	13	65-120	
1,2-Dibromo-3-Chloropropane	400	441	110	4	22	41-129	
1,2-Dibromoethane	400	394	99	3	14	69-125	
Dibromomethane	400	471	118	4	12	64-126	
1,2-Dichlorobenzene	400	407	102	1	14	73-120	
1,3-Dichlorobenzene	400	392	98	2	14	73-120	
1,4-Dichlorobenzene	400	382	95	2	15	74-120	
Dichlorodifluoromethane	400	277	69	1	35	38-139	
1,1-Dichloroethane	400	416	104	2	13	68-125	
1,2-Dichloroethane	400	419	105	0	12	63-126	
1,1-Dichloroethene	400	401	100	3	26	56-135	
1,2-Dichloropropane	400	422	106	5	13	69-130	
1,3-Dichloropropane	400	389	97	1	14	72-122	
2,2-Dichloropropane	400	437	109	2	21	38-145	
1,1-Dichloropropene	400	389	97	4	24	59-125	
Ethylbenzene	400	399	100	1	15	67-127	
Hexachlorobutadiene	400	396	99	10	35	24-165	
2-Hexanone	800	933	117	19	17	35-156	F2
Isopropylbenzene	400	377	94	2	18	64-129	
Methylene Chloride	400	388	97	0	17	62-129	
4-Methyl-2-pentanone	800	914	114	11	15	31-153	
Methyl tert-butyl ether	400	428	107	1	16	47-134	
m-Xylene & p-Xylene	400	380	95	0	16	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287657.D

Lab ID: 200-59769-B-1 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Naphthalene	400	441	110	1	21	49-139	
n-Butylbenzene	400	374	93	1	28	51-134	
n-Propylbenzene	400	395	99	1	22	67-122	
o-Xylene	400	390	98	1	15	70-125	
p-Isopropyltoluene	400	385	96	4	23	64-128	
sec-Butylbenzene	400	386	97	2	28	62-130	
Styrene	400	393	98	6	18	70-139	
tert-Butylbenzene	400	390	98	2	24	47-140	
1,1,1,2-Tetrachloroethane	400	373	93	2	14	68-121	
1,1,2,2-Tetrachloroethane	400	433	108	1	15	54-145	
Tetrachloroethene	400	707	98	0	20	62-131	
Toluene	400	377	94	2	14	58-135	
trans-1,2-Dichloroethene	400	424	106	3	15	56-136	
trans-1,3-Dichloropropene	400	370	93	4	14	47-120	
1,2,3-Trichlorobenzene	400	425	106	3	23	46-148	
1,2,4-Trichlorobenzene	400	410	103	2	19	29-156	
1,1,1-Trichloroethane	400	426	106	4	17	60-130	
Trichloroethene	400	558	104	3	15	61-124	
Trichlorofluoromethane	400	338	84	3	34	24-177	
1,2,3-Trichloropropane	400	435	109	2	17	54-134	
1,1,2-Trichloro-1,2,2-trichfluoroethane	400	392	98	2	35	41-147	
1,2,4-Trimethylbenzene	400	397	99	5	20	69-125	
Vinyl acetate	400	358	90	2	14	28-131	
Vinyl chloride	400	399	80	1	24	43-157	
Xylenes, Total	800	770	96	0	15	71-123	

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: U1287555.D Lab Sample ID: MB 240-500502/8

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

Instrument ID: A3UX12 Date Analyzed: 08/21/2021 13:56

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 240-500502/5	U1287552.D	08/21/2021 12:50
	240-154707-E-5 MS	U1287564.D	08/21/2021 17:15
	240-154707-H-5 MSD	U1287565.D	08/21/2021 17:37
MSA-SW37A-081721	240-154716-1	U1287573.D	08/21/2021 20:34
MSA-SW37B-081721	240-154716-2	U1287574.D	08/21/2021 20:56
MSA-SW37C-081721	240-154716-3	U1287575.D	08/21/2021 21:19
MSA-SW37D-081721	240-154716-4	U1287576.D	08/21/2021 21:41

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: U1287587.D Lab Sample ID: MB 240-500679/8

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

Instrument ID: A3UX12 Date Analyzed: 08/23/2021 18:57

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 240-500679/5	U1287584.D	08/23/2021 17:50
MSA-SW38A-081721	240-154716-5	U1287588.D	08/23/2021 19:18
MSA-SW38B-081721	240-154716-6	U1287589.D	08/23/2021 19:40
MSA-SW38C-081721	240-154716-7	U1287590.D	08/23/2021 20:03
MSA-SW38D-081721	240-154716-8	U1287591.D	08/23/2021 20:25
MSA-SW40A-081721	240-154716-9	U1287592.D	08/23/2021 20:47
MSA-SW40B-081721	240-154716-10	U1287593.D	08/23/2021 21:09
MSA-SW40C-081721	240-154716-11	U1287594.D	08/23/2021 21:31
MSA-SW40D-081721	240-154716-12	U1287595.D	08/23/2021 21:53
MSA-SW41A-081721	240-154716-13	U1287596.D	08/23/2021 22:15
MSA-SW41B-081721	240-154716-14	U1287597.D	08/23/2021 22:37
MSA-SW41C-081721	240-154716-15	U1287598.D	08/23/2021 23:00
MSA-SW41D-081721	240-154716-16	U1287599.D	08/23/2021 23:22
MSA-SW42A-081721	240-154716-17	U1287600.D	08/23/2021 23:44
MSA-SW42B-081721	240-154716-18	U1287601.D	08/24/2021 00:06
MSA-SW42C-081721	240-154716-19	U1287602.D	08/24/2021 00:28
MSA-SW42D-081721	240-154716-20	U1287603.D	08/24/2021 00:50
MSA-SW43A-081721	240-154716-21	U1287604.D	08/24/2021 01:12
MSA-SW43B-081721	240-154716-22	U1287605.D	08/24/2021 01:34
MSA-SW43D-081721	240-154716-24	U1287607.D	08/24/2021 02:19

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: U1287643.D Lab Sample ID: MB 240-501270/8

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

Instrument ID: A3UX12 Date Analyzed: 08/26/2021 20:31

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 240-501270/5	U1287640.D	08/26/2021 19:25
MSA-SW43C-081721	240-154716-23	U1287644.D	08/26/2021 20:54
MSA-SW44A-081721	240-154716-25	U1287645.D	08/26/2021 21:16
MSA-SW44B-081721	240-154716-26	U1287646.D	08/26/2021 21:38
MSA-SW44C-081721	240-154716-27	U1287647.D	08/26/2021 22:00
MSA-SW44D-081721	240-154716-28	U1287648.D	08/26/2021 22:23
TB-081721	240-154716-29	U1287649.D	08/26/2021 22:45
MSA-SW46A-081721	240-154716-30	U1287650.D	08/26/2021 23:07
MSA-SW47A-081721	240-154716-31	U1287651.D	08/26/2021 23:29
MSA-SW48A-081721	240-154716-32	U1287652.D	08/26/2021 23:52
MSA-SW49A-081721	240-154716-33	U1287653.D	08/27/2021 00:14
	200-59769-B-1 MS	U1287656.D	08/27/2021 01:21
	200-59769-B-1 MSD	U1287657.D	08/27/2021 01:42

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB4720.D BFB Injection Date: 07/31/2021

Instrument ID: A3UX12 BFB Injection Time: 10:57

Analysis Batch No.: 497502

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.0	
75	30.0 - 60.0 % of mass 95	54.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	74.4	
175	5.0 - 9.0 % of mass 174	6.1	(8.2) 1
176	95.0 - 101.0 % of mass 174	71.9	(96.6) 1
177	5.0 - 9.0 % of mass 176	4.7	(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
	STD8260 240-497502/10	U1287160.D	07/31/2021	11:43
	STD8260 240-497502/11	U1287161.D	07/31/2021	12:05
	STD8260 240-497502/12	U1287162.D	07/31/2021	12:27
	STD8260 240-497502/13	U1287163.D	07/31/2021	12:49
	ICIS 240-497502/14	U1287164.D	07/31/2021	13:11
	STD8260 240-497502/15	U1287165.D	07/31/2021	13:33
	STD8260 240-497502/16	U1287166.D	07/31/2021	13:55
	STD8260 240-497502/17	U1287167.D	07/31/2021	14:17
	ICV 240-497502/18	U1287168.D	07/31/2021	14:39
	STDA9 240-497502/21	U1287171.D	07/31/2021	15:46
	STDA9 240-497502/22	U1287172.D	07/31/2021	16:08
	STDA9 240-497502/23	U1287173.D	07/31/2021	16:30
	STDA9 240-497502/24	U1287174.D	07/31/2021	16:52
	STDA9 240-497502/25	U1287175.D	07/31/2021	17:14
	STDA9 240-497502/26	U1287176.D	07/31/2021	17:37
	STDA9 240-497502/27	U1287177.D	07/31/2021	17:59

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB4721.D BFB Injection Date: 08/02/2021

Instrument ID: A3UX12 BFB Injection Time: 16:50

Analysis Batch No.: 497699

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.1	
75	30.0 - 60.0 % of mass 95	55.7	
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	Greater than 50% of mass 95	70.6	
175	5.0 - 9.0 % of mass 174	5.8	(8.2) 1
176	95.0 - 101.0 % of mass 174	67.2	(95.2) 1
177	5.0 - 9.0 % of mass 176	4.7	(6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 240-497699/6	U1287184.D	08/02/2021	18:21

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB4735.D BFB Injection Date: 08/21/2021

Instrument ID: A3UX12 BFB Injection Time: 11:44

Analysis Batch No.: 500502

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.7	
75	30.0 - 60.0 % of mass 95	54.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	71.6	
175	5.0 - 9.0 % of mass 174	6.3	(8.8) 1
176	95.0 - 101.0 % of mass 174	69.7	(97.4) 1
177	5.0 - 9.0 % of mass 176	4.8	(6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-500502/3	U1287550.D	08/21/2021	12:06
	CCVIS 240-500502/4	U1287551.D	08/21/2021	12:28
	LCS 240-500502/5	U1287552.D	08/21/2021	12:50
	MB 240-500502/8	U1287555.D	08/21/2021	13:56
	240-154707-E-5 MS	U1287564.D	08/21/2021	17:15
	240-154707-H-5 MSD	U1287565.D	08/21/2021	17:37
MSA-SW37A-081721	240-154716-1	U1287573.D	08/21/2021	20:34
MSA-SW37B-081721	240-154716-2	U1287574.D	08/21/2021	20:56
MSA-SW37C-081721	240-154716-3	U1287575.D	08/21/2021	21:19
MSA-SW37D-081721	240-154716-4	U1287576.D	08/21/2021	21:41

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB4736.D BFB Injection Date: 08/23/2021

Instrument ID: A3UX12 BFB Injection Time: 16:44

Analysis Batch No.: 500679

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.0	
75	30.0 - 60.0 % of mass 95	52.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	75.9	
175	5.0 - 9.0 % of mass 174	6.0	(7.9) 1
176	95.0 - 101.0 % of mass 174	73.2	(96.5) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-500679/3	U1287582.D	08/23/2021	17:06
	CCVIS 240-500679/4	U1287583.D	08/23/2021	17:28
	LCS 240-500679/5	U1287584.D	08/23/2021	17:50
	MB 240-500679/8	U1287587.D	08/23/2021	18:57
MSA-SW38A-081721	240-154716-5	U1287588.D	08/23/2021	19:18
MSA-SW38B-081721	240-154716-6	U1287589.D	08/23/2021	19:40
MSA-SW38C-081721	240-154716-7	U1287590.D	08/23/2021	20:03
MSA-SW38D-081721	240-154716-8	U1287591.D	08/23/2021	20:25
MSA-SW40A-081721	240-154716-9	U1287592.D	08/23/2021	20:47
MSA-SW40B-081721	240-154716-10	U1287593.D	08/23/2021	21:09
MSA-SW40C-081721	240-154716-11	U1287594.D	08/23/2021	21:31
MSA-SW40D-081721	240-154716-12	U1287595.D	08/23/2021	21:53
MSA-SW41A-081721	240-154716-13	U1287596.D	08/23/2021	22:15
MSA-SW41B-081721	240-154716-14	U1287597.D	08/23/2021	22:37
MSA-SW41C-081721	240-154716-15	U1287598.D	08/23/2021	23:00
MSA-SW41D-081721	240-154716-16	U1287599.D	08/23/2021	23:22
MSA-SW42A-081721	240-154716-17	U1287600.D	08/23/2021	23:44
MSA-SW42B-081721	240-154716-18	U1287601.D	08/24/2021	0:06
MSA-SW42C-081721	240-154716-19	U1287602.D	08/24/2021	0:28
MSA-SW42D-081721	240-154716-20	U1287603.D	08/24/2021	0:50
MSA-SW43A-081721	240-154716-21	U1287604.D	08/24/2021	1:12
MSA-SW43B-081721	240-154716-22	U1287605.D	08/24/2021	1:34
MSA-SW43D-081721	240-154716-24	U1287607.D	08/24/2021	2:19

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB4738.D BFB Injection Date: 08/26/2021

Instrument ID: A3UX12 BFB Injection Time: 18:15

Analysis Batch No.: 501270

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.0	
75	30.0 - 60.0 % of mass 95	51.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.4	(0.6) 1
174	Greater than 50% of mass 95	76.1	
175	5.0 - 9.0 % of mass 174	6.2	(8.1) 1
176	95.0 - 101.0 % of mass 174	73.1	(96.0) 1
177	5.0 - 9.0 % of mass 176	4.7	(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
	CCV 240-501270/3	U1287638.D	08/26/2021	18:40
	CCVIS 240-501270/4	U1287639.D	08/26/2021	19:02
	LCS 240-501270/5	U1287640.D	08/26/2021	19:25
	MB 240-501270/8	U1287643.D	08/26/2021	20:31
MSA-SW43C-081721	240-154716-23	U1287644.D	08/26/2021	20:54
MSA-SW44A-081721	240-154716-25	U1287645.D	08/26/2021	21:16
MSA-SW44B-081721	240-154716-26	U1287646.D	08/26/2021	21:38
MSA-SW44C-081721	240-154716-27	U1287647.D	08/26/2021	22:00
MSA-SW44D-081721	240-154716-28	U1287648.D	08/26/2021	22:23
TB-081721	240-154716-29	U1287649.D	08/26/2021	22:45
MSA-SW46A-081721	240-154716-30	U1287650.D	08/26/2021	23:07
MSA-SW47A-081721	240-154716-31	U1287651.D	08/26/2021	23:29
MSA-SW48A-081721	240-154716-32	U1287652.D	08/26/2021	23:52
MSA-SW49A-081721	240-154716-33	U1287653.D	08/27/2021	0:14
	200-59769-B-1 MS	U1287656.D	08/27/2021	1:21
	200-59769-B-1 MSD	U1287657.D	08/27/2021	1:42

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Sample No.: ICIS 240-497502/14 Date Analyzed: 07/31/2021 13:11

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1287164.D Heated Purge: (Y/N) N

Calibration ID: 62057

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		816084	5.10	503211	7.75	297851	9.98
UPPER LIMIT		1632168	5.60	1006422	8.25	595702	10.48
LOWER LIMIT		408042	4.60	251606	7.25	148926	9.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-497502/18		979145	5.10	635231	7.75	354556	9.98
CCVIS 240-500502/4		749763	5.10	510238	7.75	276160	9.98
CCVIS 240-500679/4		837050	5.10	579208	7.75	319182	9.98
CCVIS 240-501270/4		750758	5.10	497581	7.75	275377	9.98

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-500502/4 Date Analyzed: 08/21/2021 12:28

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1287551.D Heated Purge: (Y/N) N

Calibration ID: 62061

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		749763	5.10	510238	7.75	276160	9.98
UPPER LIMIT		1499526	5.60	1020476	8.25	552320	10.48
LOWER LIMIT		374882	4.60	255119	7.25	138080	9.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-500502/5		733063	5.10	490453	7.75	273508	9.98
MB 240-500502/8		682091	5.10	425482	7.75	225902	9.98
240-154707-E-5 MS		800331	5.10	536319	7.75	286904	9.98
240-154707-H-5 MSD		812098	5.10	559376	7.75	306827	9.98
240-154716-1	MSA-SW37A-081721	778340	5.10	514589	7.75	261182	9.98
240-154716-2	MSA-SW37B-081721	743767	5.10	503937	7.75	267688	9.98
240-154716-3	MSA-SW37C-081721	755790	5.10	503656	7.75	260642	9.98
240-154716-4	MSA-SW37D-081721	747037	5.10	508390	7.75	268479	9.98

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-500679/4 Date Analyzed: 08/23/2021 17:28

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1287583.D Heated Purge: (Y/N) N

Calibration ID: 62061

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		837050	5.10	579208	7.75	319182	9.98
UPPER LIMIT		1674100	5.60	1158416	8.25	638364	10.48
LOWER LIMIT		418525	4.60	289604	7.25	159591	9.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-500679/5		837550	5.10	584483	7.75	320995	9.98
MB 240-500679/8		737228	5.10	485889	7.75	244662	9.98
240-154716-5	MSA-SW38A-081721	760775	5.10	517847	7.75	268425	9.98
240-154716-6	MSA-SW38B-081721	742002	5.10	492326	7.75	259281	9.98
240-154716-7	MSA-SW38C-081721	756826	5.10	506527	7.75	274039	9.98
240-154716-8	MSA-SW38D-081721	749987	5.10	494361	7.75	249141	9.98
240-154716-9	MSA-SW40A-081721	665332	5.10	438058	7.75	234262	9.98
240-154716-10	MSA-SW40B-081721	645497	5.10	421371	7.75	237438	9.98
240-154716-11	MSA-SW40C-081721	694570	5.10	449373	7.75	238731	9.98
240-154716-12	MSA-SW40D-081721	680539	5.10	435931	7.75	240615	9.98
240-154716-13	MSA-SW41A-081721	661562	5.10	436326	7.75	244250	9.98
240-154716-14	MSA-SW41B-081721	695467	5.10	445092	7.75	246099	9.98
240-154716-15	MSA-SW41C-081721	693034	5.10	462096	7.75	240439	9.98
240-154716-16	MSA-SW41D-081721	691869	5.10	450657	7.75	246768	9.98
240-154716-17	MSA-SW42A-081721	710363	5.10	443680	7.75	227405	9.98
240-154716-18	MSA-SW42B-081721	678132	5.10	440140	7.75	237007	9.98
240-154716-19	MSA-SW42C-081721	686892	5.10	440539	7.75	238782	9.98
240-154716-20	MSA-SW42D-081721	679709	5.10	443612	7.75	247169	9.98
240-154716-21	MSA-SW43A-081721	675319	5.10	441506	7.75	231070	9.98
240-154716-22	MSA-SW43B-081721	674311	5.10	437179	7.75	236018	9.98
240-154716-24	MSA-SW43D-081721	694726	5.10	445367	7.75	236553	9.98

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-501270/4 Date Analyzed: 08/26/2021 19:02

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1287639.D Heated Purge: (Y/N) N

Calibration ID: 62061

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		750758	5.10	497581	7.75	275377	9.98
UPPER LIMIT		1501516	5.60	995162	8.25	550754	10.48
LOWER LIMIT		375379	4.60	248791	7.25	137689	9.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-501270/5		747578	5.10	499170	7.75	283611	9.98
MB 240-501270/8		670896	5.10	444250	7.75	243186	9.98
240-154716-23	MSA-SW43C-081721	663163	5.10	436574	7.75	246175	9.98
240-154716-25	MSA-SW44A-081721	656735	5.10	433696	7.75	237134	9.98
240-154716-26	MSA-SW44B-081721	654945	5.10	430621	7.75	240069	9.98
240-154716-27	MSA-SW44C-081721	672890	5.10	443078	7.75	238662	9.98
240-154716-28	MSA-SW44D-081721	759143	5.10	518381	7.75	266761	9.98
240-154716-29	TB-081721	737539	5.10	489666	7.75	254037	9.98
240-154716-30	MSA-SW46A-081721	759795	5.10	530190	7.75	278892	9.98
240-154716-31	MSA-SW47A-081721	750614	5.10	512890	7.75	258285	9.98
240-154716-32	MSA-SW48A-081721	761449	5.10	521933	7.75	282518	9.98
240-154716-33	MSA-SW49A-081721	760463	5.10	527553	7.75	276644	9.98
200-59769-B-1 MS		723127	5.10	475783	7.75	253046	9.98
200-59769-B-1 MSD		727604	5.10	492135	7.75	271058	9.98

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-497502/10	U1287160.D
Level 2	STD8260 240-497502/11	U1287161.D
Level 3	STD8260 240-497502/12	U1287162.D
Level 4	STD8260 240-497502/13	U1287163.D
Level 5	ICIS 240-497502/14	U1287164.D
Level 6	STD8260 240-497502/15	U1287165.D
Level 7	STD8260 240-497502/16	U1287166.D
Level 8	STD8260 240-497502/17	U1287167.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.4824	0.4286 0.3976	0.4935 0.4268	0.4888	0.5069	Ave		0.4607			0.1000	9.1		20.0			
Chloromethane	+++++ 0.7531	0.7995 0.6778	0.8863 0.6943	0.8287	0.8533	Ave		0.7847			0.1000	10.1		20.0			
Butadiene	0.4372 0.5358	0.5351 0.4625	0.6086 0.4765	0.5409	0.5944	Ave		0.5239				11.7		20.0			
Vinyl chloride	0.4505 0.5646	0.5018 0.4895	0.6181 0.5006	0.5627	0.5984	Ave		0.5358			0.1000	10.9		20.0			
Bromomethane	0.3304 0.3939	0.3157 0.3957	0.3910 0.4266	0.3724	0.4025	Ave		0.3785			0.0500	9.9		20.0			
Chloroethane	0.3589 0.4407	0.3699 0.4438	0.4308 0.4856	0.4116	0.4464	Ave		0.4234			0.0500	9.9		20.0			
Dichlorofluoromethane	0.7969 0.8661	0.7865 0.8207	0.9114 0.8853	0.8579	0.9064	Ave		0.8539				5.6		20.0			
Trichlorofluoromethane	0.5779 0.7082	0.5906 0.6395	0.7023 0.7129	0.6802	0.7492	Ave		0.6701			0.1000	9.2		20.0			
Ethyl ether	0.3321 0.3377	0.3509 0.3153	0.3336 0.3040	0.3419	0.3364	Ave		0.3315				4.5		20.0			
Acrolein	+++++ 0.0088	0.0069 0.0091	0.0065 0.0081	0.0082	0.0083	Ave		0.0080				11.9		20.0			
1,1-Dichloroethene	0.5102 0.5732	0.5228 0.5350	0.5928 0.5658	0.5881	0.6146	Ave		0.5628			0.1000	6.5		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.2557 0.3274	0.3046 0.2900	0.3300 0.3108	0.3241	0.3450	Ave		0.3109			0.0500	9.0		20.0			
Acetone	+++++ 0.0830	0.1708 0.0824	0.1038 0.0804	0.1054	0.0981	Lin1	0.1876	0.0819			0.0100	13.5			0.9950		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	0.4129 0.4281	0.4261 0.4000	0.4713 0.4031	0.4521	0.4601	Ave		0.4317				6.2		20.0			
Carbon disulfide	1.0172 0.9500	0.8826 0.8803	1.0184 0.8801	1.0321	1.0562	Ave		0.9646			0.1000	7.8		20.0			
3-Chloro-1-propene	0.6423 0.5585	0.6081 0.5148	0.6024 0.4875	0.6027	0.5914	Ave		0.5760				9.0		20.0			
Methyl acetate	0.3182 0.2189	0.3006 0.2251	0.2463 0.2028	0.2473	0.2358	Ave		0.2494			0.1000	16.1		20.0			
Methylene Chloride	+++++ 0.4631	0.6107 0.4298	0.5471 0.4183	0.5001	0.4880	Ave		0.4939			0.1000	13.7		20.0			
tert-Butyl alcohol	+++++ 0.0210	0.0438 0.0229	0.0277 0.0213	0.0298	0.0267	Lin1	0.2456	0.0220				17.0			0.9910		0.9900
Acrylonitrile	0.1157 0.1076	0.1281 0.1054	0.1047 0.0985	0.1166	0.1058	Ave		0.1103				8.4		20.0			
trans-1,2-Dichloroethene	0.4853 0.5086	0.4887 0.4699	0.5313 0.4582	0.5378	0.5433	Ave		0.5029			0.1000	6.4		20.0			
Methyl tert-butyl ether	0.9903 0.9517	1.0236 0.8902	0.9574 0.8839	1.0100	0.9696	Ave		0.9596			0.1000	5.3		20.0			
Hexane	0.4264 0.4960	0.4587 0.4578	0.5051 0.4796	0.4795	0.5248	Ave		0.4785				6.5		20.0			
1,1-Dichloroethane	0.5769 0.6130	0.6510 0.5698	0.6360 0.5519	0.6422	0.6574	Ave		0.6123			0.2000	6.7		20.0			
Vinyl acetate	0.6020 0.5484	0.6699 0.5706	0.5977 0.5553	0.5842	0.5754	Ave		0.5879				6.5		20.0			
2,2-Dichloropropane	0.3940 0.3760	0.3515 0.3366	0.3936 0.3097	0.4137	0.3995	Ave		0.3718				9.6		20.0			
cis-1,2-Dichloroethene	0.3762 0.3248	0.3656 0.3066	0.3260 0.3016	0.3477	0.3509	Ave		0.3374			0.1000	8.0		20.0			
2-Butanone	+++++ 0.0363	0.0319 0.0422	0.0353 0.0406	0.0408	0.0383	Ave		0.0379			0.0100	9.6		20.0			
Bromochloromethane	0.3274 0.2678	0.3214 0.2510	0.2793 0.2193	0.2921	0.2772	Ave		0.2794				12.7		20.0			
Tetrahydrofuran	0.1087 0.1060	0.1387 0.1191	0.1296 0.1120	0.1266	0.1168	Ave		0.1197				9.4		20.0			
Chloroform	0.5649 0.5286	0.5456 0.5009	0.5486 0.4755	0.5616	0.5497	Ave		0.5344			0.2000	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
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	0.4274 0.4874	0.4350 0.4581	0.4883 0.4660	0.5083	0.5214	Ave		0.4740			0.1000	7.1		20.0			
Cyclohexane	0.5322 0.5726	0.5405 0.5084	0.6278 0.5270	0.5848	0.6351	Ave		0.5660			0.1000	8.3		20.0			
1,1-Dichloropropene	0.4036 0.4574	0.4346 0.4399	0.4751 0.4464	0.4530	0.4706	Ave		0.4476				5.0		20.0			
Carbon tetrachloride	0.2983 0.4078	0.3365 0.3813	0.4102 0.3894	0.4045	0.4251	Ave		0.3816			0.1000	11.3		20.0			
Isobutyl alcohol	0.0112 0.0119	0.0177 0.0132	0.0114 0.0143	0.0167	0.0145	Ave		0.0139				17.4		20.0			
Benzene	1.1907 1.1751	1.2035 1.1568	1.1953 1.1489	1.2204	1.1931	Ave		1.1855			0.5000	2.0		20.0			
1,2-Dichloroethane	0.3920 0.3864	0.4232 0.3858	0.3825 0.3664	0.3993	0.3979	Ave		0.3917			0.1000	4.2		20.0			
n-Heptane	+++++ 0.1900	+++++ 0.1804	0.4808 0.1822	0.2481	0.2132	Lin1	0.7785	0.1707				1.6			1.0000		0.9900
Trichloroethene	0.2784 0.2773	0.2652 0.2770	0.2702 0.2808	0.2710	0.2736	Ave		0.2742			0.1500	1.9		20.0			
Methylcyclohexane	0.4938 0.5692	0.4934 0.5104	0.5999 0.5288	0.5660	0.6158	Ave		0.5472			0.1000	8.7		20.0			
1,2-Dichloropropane	0.2510 0.2646	0.2637 0.2713	0.2514 0.2666	0.2650	0.2598	Ave		0.2617			0.1000	2.8		20.0			
Dibromomethane	0.1433 0.1458	0.1551 0.1477	0.1317 0.1441	0.1363	0.1437	Ave		0.1435				4.9		20.0			
1,4-Dioxane	+++++ 0.0027	0.0006 0.0028	0.0014 0.0030	0.0035	0.0027	Lin1	-0.047	0.0029				16.1			0.9940		0.9900
Bromodichloromethane	0.2846 0.3262	0.3041 0.3339	0.3098 0.3360	0.3313	0.3199	Ave		0.3182			0.1500	5.6		20.0			
2-Chloroethyl vinyl ether	0.1309 0.1524	0.1642 0.1839	0.1544 0.1807	0.1591	0.1543	Ave		0.1600				10.5		20.0			
cis-1,3-Dichloropropene	0.3376 0.3779	0.3719 0.4170	0.3833 0.4199	0.3797	0.3708	Ave		0.3823			0.1500	6.9		20.0			
4-Methyl-2-pentanone	0.3826 0.3820	0.4121 0.4098	0.4172 0.4017	0.4074	0.4025	Ave		0.4019			0.0500	3.3		20.0			
Toluene	1.7133 1.7240	1.6667 1.6548	1.8028 1.6813	1.7642	1.7437	Ave		1.7188			0.4000	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.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	0.4454 0.5404	0.5098 0.5944	0.5503 0.5823	0.5486	0.5341	Ave		0.5382			0.1000	8.5		20.0			
Ethyl methacrylate	0.4699 0.5458	0.5555 0.5849	0.5733 0.5679	0.5823	0.5566	Ave		0.5545				6.6		20.0			
1,1,2-Trichloroethane	0.2532 0.2984	0.3181 0.3073	0.3216 0.3006	0.2990	0.3029	Ave		0.3002			0.1000	7.0		20.0			
Tetrachloroethene	0.3026 0.3928	0.3594 0.3817	0.4027 0.3904	0.3985	0.4008	Ave		0.3786			0.1500	8.9		20.0			
1,3-Dichloropropane	0.5158 0.5779	0.6125 0.6108	0.6318 0.5932	0.6148	0.5952	Ave		0.5940				6.0		20.0			
2-Hexanone	0.4350 0.3998	0.4989 0.4701	0.4779 0.4497	0.4841	0.4413	Ave		0.4571			0.0500	7.0		20.0			
Dibromochloromethane	0.2449 0.3112	0.2592 0.3305	0.2921 0.3239	0.3057	0.2988	Ave		0.2958				10.1		20.0			
1,2-Dibromoethane	0.3223 0.3114	0.3220 0.3319	0.3560 0.3203	0.3297	0.3210	Ave		0.3268				4.1		20.0			
Chlorobenzene	1.0826 0.9997	0.9889 0.9995	1.1066 1.0121	1.0565	1.0144	Ave		1.0325			0.3000	4.2		20.0			
1,1,1,2-Tetrachloroethane	0.3733 0.3992	0.3832 0.3770	0.3987 0.3774	0.4100	0.4044	Ave		0.3904				3.6		20.0			
Ethylbenzene	0.5069 0.6144	0.5697 0.5944	0.6389 0.5999	0.6481	0.6341	Ave		0.6008				7.7		20.0			
m-Xylene & p-Xylene	0.7289 0.7507	0.7471 0.7406	0.7690 0.7496	0.8054	0.7795	Ave		0.7589				3.2		20.0			
o-Xylene	0.7007 0.7801	0.7496 0.7521	0.8079 0.7588	0.8253	0.8022	Ave		0.7721				5.2		20.0			
Styrene	1.0513 1.1599	1.0285 1.2119	1.1615 1.2261	1.1905	1.1782	Ave		1.1510			0.3000	6.3		20.0			
Bromoform	0.1658 0.2177	0.1764 0.2334	0.1971 0.2419	0.2109	0.2161	Ave		0.2074			0.1000	12.7		20.0			
Isopropylbenzene	1.8443 2.1128	1.9653 1.9991	2.2119 2.0212	2.1902	2.2093	Ave		2.0693			0.1000	6.5		20.0			
1,1,2,2-Tetrachloroethane	0.9704 0.9537	1.0939 0.8822	1.0418 0.8857	1.0461	0.9526	Ave		0.9783			0.3000	7.8		20.0			
Bromobenzene	0.7544 0.7165	0.7866 0.6812	0.8061 0.6955	0.7793	0.7062	Ave		0.7407				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.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichloropropane	0.3315 0.3058	0.3416 0.2920	0.3751 0.2842	0.3543	0.3082	Ave		0.3241				9.8		20.0			
trans-1,4-Dichloro-2-butene	0.3176 0.3604	0.3916 0.3510	0.3971 0.3534	0.4049	0.3558	Ave		0.3665				8.0		20.0			
n-Propylbenzene	0.8344 0.9729	0.9385 0.8582	1.0365 0.8762	1.0229	0.9623	Ave		0.9377				8.0		20.0			
2-Chlorotoluene	0.6775 0.7984	0.9134 0.7329	0.9024 0.7436	0.8575	0.7932	Ave		0.8024				10.5		20.0			
1,3,5-Trimethylbenzene	2.4240 2.9449	2.6573 2.6503	2.9445 2.7093	3.0414	2.8880	Ave		2.7824				7.4		20.0			
4-Chlorotoluene	0.6744 0.7845	0.8032 0.7483	0.8967 0.7628	0.8365	0.7781	Ave		0.7856				8.3		20.0			
tert-Butylbenzene	1.7849 2.4058	2.0748 2.2422	2.3340 2.3025	2.3600	2.3130	Ave		2.2272				9.2		20.0			
1,2,4-Trimethylbenzene	2.4631 2.9401	2.8577 2.6652	3.0359 2.7146	3.0662	2.9001	Ave		2.8304				7.2		20.0			
sec-Butylbenzene	2.9629 3.5850	3.1709 3.1542	3.6999 3.2582	3.5685	3.5679	Ave		3.3709				7.9		20.0			
1,3-Dichlorobenzene	1.3840 1.4484	1.6639 1.3865	1.5716 1.3896	1.5486	1.4270	Ave		1.4775			0.6000	7.1		20.0			
p-Isopropyltoluene	2.4638 3.0340	2.7327 2.7357	3.1078 2.8305	3.0753	3.0174	Ave		2.8746				7.8		20.0			
1,4-Dichlorobenzene	1.6868 1.4689	1.7061 1.4261	1.6598 1.4278	1.5671	1.4503	Ave		1.5491			0.5000	7.8		20.0			
n-Butylbenzene	2.2921 2.6128	2.4076 2.2793	2.7672 2.3718	2.6607	2.6250	Ave		2.5021				7.4		20.0			
1,2-Dichlorobenzene	1.3951 1.4322	1.5101 1.3209	1.5889 1.3460	1.5408	1.4296	Ave		1.4455			0.4000	6.5		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.2208	0.1816 0.1973	0.2073 0.2047	0.2186	0.2066	Ave		0.2053			0.0500	6.5		20.0			
1,2,4-Trichlorobenzene	0.7426 0.8609	0.9196 0.6978	0.8750 0.7150	0.8768	0.8225	Ave		0.8138			0.2000	10.3		20.0			
Hexachlorobutadiene	+++++ 0.3183	0.2533 0.2214	0.3027 0.2633	0.2975	0.3112	Ave		0.2811				12.7		20.0			
Naphthalene	2.4052 2.7065	2.8312 2.1546	2.8045 2.3113	2.8041	2.6255	Ave		2.5804				10.0		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.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.6654 0.7557	0.7939 0.5982	0.7800 0.6460	0.7772	0.7355	Ave		0.7190				10.1		20.0			
Dibromofluoromethane (Surr)	0.2802 0.2510	0.2742 0.2387	0.2432 0.2229	0.2546	0.2500	Ave		0.2519				7.3		20.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2870	0.3862 0.2855	0.2927 0.2566	0.3002	0.2906	Ave		0.2998				13.5		20.0			
Toluene-d8 (Surr)	1.8418 1.4153	1.5085 1.4072	1.4641 1.3776	1.4416	1.4001	Ave		1.4820				10.2		20.0			
4-Bromofluorobenzene (Surr)	+++++ 0.4866	0.6266 0.5024	0.5475 0.5043	0.5113	0.4996	Ave		0.5255				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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-497502/10	U1287160.D
Level 2	STD8260 240-497502/11	U1287161.D
Level 3	STD8260 240-497502/12	U1287162.D
Level 4	STD8260 240-497502/13	U1287163.D
Level 5	ICIS 240-497502/14	U1287164.D
Level 6	STD8260 240-497502/15	U1287165.D
Level 7	STD8260 240-497502/16	U1287166.D
Level 8	STD8260 240-497502/17	U1287167.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++	17857	49841	198167	413692	+++++	1.00	2.50	10.0	20.0
			866883	1198418	1726140			40.0	60.0	80.0		
Chloromethane	FB	Ave	+++++	33310	89518	335951	696375	+++++	1.00	2.50	10.0	20.0
			1353297	2042943	2807804			40.0	60.0	80.0		
Butadiene	FB	Ave	8995	22295	61473	219291	485103	0.500	1.00	2.50	10.0	20.0
			962879	1393982	1926994			40.0	60.0	80.0		
Vinyl chloride	FB	Ave	9269	20906	62430	228108	488317	0.500	1.00	2.50	10.0	20.0
			1014594	1475537	2024410			40.0	60.0	80.0		
Bromomethane	FB	Ave	6798	13154	39492	150977	328493	0.500	1.00	2.50	10.0	20.0
			707836	1192562	1725096			40.0	60.0	80.0		
Chloroethane	FB	Ave	7384	15411	43510	166882	364268	0.500	1.00	2.50	10.0	20.0
			791953	1337613	1963780			40.0	60.0	80.0		
Dichlorofluoromethane	FB	Ave	16398	32769	92054	347808	739725	0.500	1.00	2.50	10.0	20.0
			1556463	2473641	3580110			40.0	60.0	80.0		
Trichlorofluoromethane	FB	Ave	11891	24608	70936	275755	611422	0.500	1.00	2.50	10.0	20.0
			1272620	1927575	2882812			40.0	60.0	80.0		
Ethyl ether	FB	Ave	6833	14619	33690	138592	274519	0.500	1.00	2.50	10.0	20.0
			606830	950357	1229286			40.0	60.0	80.0		
Acrolein	FB	Ave	+++++	1443	3285	16720	34041	+++++	5.00	12.5	50.0	100
			79369	136948	164458			200	300	400		
1,1-Dichloroethene	FB	Ave	10498	21781	59874	238439	501531	0.500	1.00	2.50	10.0	20.0
			1030021	1612641	2288221			40.0	60.0	80.0		
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	5261	12690	33333	131376	281532	0.500	1.00	2.50	10.0	20.0
			588383	874200	1257025			40.0	60.0	80.0		
Acetone	FB	Lin1	+++++	14231	20963	85420	160152	+++++	2.00	5.00	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.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			298182	496760	650557			80.0	120	160		
Iodomethane	FB	Ave	8496 769309	17755 1205758	47600 1629958	183304	375452	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Carbon disulfide	FB	Ave	20931 1707072	36774 2653249	102859 3558964	418409	861920	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
3-Chloro-1-propene	FB	Ave	13217 1003718	25338 1551571	60843 1971372	244352	482663	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Methyl acetate	FB	Ave	13095 786840	25049 1356831	49748 1640211	200538	384855	1.00 80.0	2.00 120	5.00 160	20.0	40.0
Methylene Chloride	FB	Ave	+++++ 832225	25444 1295514	55260 1691690	202740	398223	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0
tert-Butyl alcohol	FB	Lin1	+++++ 376737	18239 690126	27948 860115	120691	218088	+++++ 400	10.0 600	25.0 800	100	200
Acrylonitrile	FB	Ave	23805 1932962	53357 3176359	105759 3984200	472767	863390	5.00 400	10.0 600	25.0 800	100	200
trans-1,2-Dichloroethene	FB	Ave	9986 913971	20364 1416398	53663 1852907	218046	443372	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Methyl tert-butyl ether	FB	Ave	20376 1710298	42651 2683201	96703 3574318	409470	791300	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Hexane	FB	Ave	8774 891313	19112 1379959	51018 1939544	194382	428257	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,1-Dichloroethane	FB	Ave	11870 1101556	27123 1717521	64243 2231830	260342	536483	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Vinyl acetate	FB	Ave	12387 985435	27911 1719989	60373 2245564	236847	469575	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
2,2-Dichloropropane	FB	Ave	8107 675742	14644 1014459	39751 1252583	167707	326021	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
cis-1,2-Dichloroethene	FB	Ave	7741 583682	15233 924203	32923 1219609	140961	286398	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
2-Butanone	FB	Ave	+++++ 130392	2661 254623	7121 328348	33060	62505	+++++ 80.0	2.00 120	5.00 160	20.0	40.0
Bromochloromethane	FB	Ave	6736 481176	13393 756594	28208 886992	118418	226224	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Tetrahydrofuran	FB	Ave	4472 380882	11555 717859	26182 905969	102618	190626	1.00 80.0	2.00 120	5.00 160	20.0	40.0
Chloroform	FB	Ave	11624	22731	55413	227664	448614	0.500	1.00	2.50	10.0	20.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			949869	1509946	1922967			40.0	60.0	80.0		
1,1,1-Trichloroethane	FB	Ave	8794 875792	18125 1380808	49325 1884659	206078	425539	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Cyclohexane	FB	Ave	10950 1028972	22520 1532406	63408 2131223	237070	518329	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,1-Dichloropropene	FB	Ave	8305 822027	18109 1325823	47986 1805326	183665	384040	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Carbon tetrachloride	FB	Ave	6137 732736	14022 1149233	41434 1574566	164003	346930	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Isobutyl alcohol	FB	Ave	5775 534361	18411 995777	28758 1446940	169475	295049	12.5 1000	25.0 1500	62.5 2000	250	500
Benzene	FB	Ave	24500 2111603	50147 3486850	120725 4646198	494776	973639	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2-Dichloroethane	FB	Ave	8066 694275	17631 1162817	38636 1481846	161882	324742	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
n-Heptane	FB	Lin1	+++++ 341386	+++++ 543827	48558 736966	100588	173999	+++++ 40.0	+++++ 60.0	2.50 80.0	10.0	20.0
Trichloroethene	FB	Ave	5729 498372	11049 834980	27292 1135512	109870	223284	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Methylcyclohexane	FB	Ave	10160 1022843	20559 1538583	60591 2138507	229479	502506	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2-Dichloropropane	FB	Ave	5165 475413	10987 817823	25393 1078010	107427	211979	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Dibromomethane	FB	Ave	2949 261946	6464 445232	13302 582660	55250	117288	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,4-Dioxane	FB	Lin1	+++++ 97072	530 168941	2758 242067	28463	44455	+++++ 800	20.0 1200	50.0 1600	200	400
Bromodichloromethane	FB	Ave	5856 586234	12670 1006439	31292 1358720	134303	261036	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	5387 547864	13679 1108403	31180 1461563	128979	251826	1.00 80.0	2.00 120	5.00 160	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	6946 679115	15496 1256842	38713 1697875	153948	302606	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
4-Methyl-2-pentanone	FB	Ave	15746 1372889	34338 2470689	84273 3248589	330335	656885	1.00 80.0	2.00 120	5.00 160	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.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Toluene	CBNZ d5	Ave	21951	41037	107223	424611	877458	0.500	1.00	2.50	10.0	20.0
			1902578	3233192	4514868			40.0	60.0	80.0		
trans-1,3-Dichloropropene	CBNZ d5	Ave	5706	12553	32729	132038	268748	0.500	1.00	2.50	10.0	20.0
			596337	1161395	1563680			40.0	60.0	80.0		
Ethyl methacrylate	CBNZ d5	Ave	6021	13677	34098	140152	280071	0.500	1.00	2.50	10.0	20.0
			602389	1142898	1524928			40.0	60.0	80.0		
1,1,2-Trichloroethane	CBNZ d5	Ave	3244	7833	19127	71970	152435	0.500	1.00	2.50	10.0	20.0
			329275	600498	807337			40.0	60.0	80.0		
Tetrachloroethene	CBNZ d5	Ave	3877	8849	23950	95922	201694	0.500	1.00	2.50	10.0	20.0
			433456	745729	1048422			40.0	60.0	80.0		
1,3-Dichloropropane	CBNZ d5	Ave	6609	15080	37575	147983	299495	0.500	1.00	2.50	10.0	20.0
			637718	1193519	1592923			40.0	60.0	80.0		
2-Hexanone	CBNZ d5	Ave	11146	24570	56849	233051	444183	1.00	2.00	5.00	20.0	40.0
			882369	1837076	2414962			80.0	120	160		
Dibromochloromethane	CBNZ d5	Ave	3138	6381	17371	73579	150357	0.500	1.00	2.50	10.0	20.0
			343485	645668	869771			40.0	60.0	80.0		
1,2-Dibromoethane	CBNZ d5	Ave	4129	7929	21173	79354	161550	0.500	1.00	2.50	10.0	20.0
			343705	648579	860054			40.0	60.0	80.0		
Chlorobenzene	CBNZ d5	Ave	13870	24348	65817	254285	510479	0.500	1.00	2.50	10.0	20.0
			1103260	1952881	2717778			40.0	60.0	80.0		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	4783	9434	23710	98676	203492	0.500	1.00	2.50	10.0	20.0
			440602	736567	1013509			40.0	60.0	80.0		
Ethylbenzene	CBNZ d5	Ave	6494	14027	38001	155998	319079	0.500	1.00	2.50	10.0	20.0
			678065	1161420	1611040			40.0	60.0	80.0		

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
m-Xylene & p-Xylene	CBNZ d5	Ave	9339	18395	45735	193859	392277	0.500	1.00	2.50	10.0	20.0
			828454	1447088	2012889			40.0	60.0	80.0		
o-Xylene	CBNZ d5	Ave	8978	18456	48051	198651	403674	0.500	1.00	2.50	10.0	20.0
			860909	1469511	2037618			40.0	60.0	80.0		
Styrene	CBNZ d5	Ave	13470	25324	69079	286538	592860	0.500	1.00	2.50	10.0	20.0
			1280065	2367899	3292606			40.0	60.0	80.0		
Bromoform	CBNZ d5	Ave	2124	4344	11721	50751	108746	0.500	1.00	2.50	10.0	20.0
			240298	455988	649720			40.0	60.0	80.0		
Isopropylbenzene	CBNZ d5	Ave	23630	48391	131551	527144	1111750	0.500	1.00	2.50	10.0	20.0
			2331669	3905953	5427602			40.0	60.0	80.0		
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	6990	14539	33858	140189	283737	0.500	1.00	2.50	10.0	20.0
			588332	1042624	1445975			40.0	60.0	80.0		
Bromobenzene	DCBd 4	Ave	5434	10455	26198	104439	210344	0.500	1.00	2.50	10.0	20.0
			442017	805080	1135399			40.0	60.0	80.0		
1,2,3-Trichloropropane	DCBd 4	Ave	2388	4540	12191	47474	91792	0.500	1.00	2.50	10.0	20.0
			188639	345085	463903			40.0	60.0	80.0		
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2288	5205	12905	54262	105987	0.500	1.00	2.50	10.0	20.0
			222356	414864	576940			40.0	60.0	80.0		
n-Propylbenzene	DCBd 4	Ave	6010	12474	33687	137086	286624	0.500	1.00	2.50	10.0	20.0
			600210	1014258	1430399			40.0	60.0	80.0		
2-Chlorotoluene	DCBd 4	Ave	4880	12140	29329	114911	236250	0.500	1.00	2.50	10.0	20.0
			492536	866187	1213898			40.0	60.0	80.0		
1,3,5-Trimethylbenzene	DCBd 4	Ave	17460	35318	95699	407579	860193	0.500	1.00	2.50	10.0	20.0
			1816706	3132089	4423101			40.0	60.0	80.0		

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Chlorotoluene	DCBd 4	Ave	4858	10675	29143	112108	231751	0.500	1.00	2.50	10.0	20.0
			483932	884353	1245363			40.0	60.0	80.0		
tert-Butylbenzene	DCBd 4	Ave	12857	27576	75856	316270	688940	0.500	1.00	2.50	10.0	20.0
			1484118	2649863	3758933			40.0	60.0	80.0		
1,2,4-Trimethylbenzene	DCBd 4	Ave	17742	37982	98669	410905	863789	0.500	1.00	2.50	10.0	20.0
			1813781	3149648	4431758			40.0	60.0	80.0		
sec-Butylbenzene	DCBd 4	Ave	21342	42144	120250	478221	1062714	0.500	1.00	2.50	10.0	20.0
			2211578	3727549	5319194			40.0	60.0	80.0		
1,3-Dichlorobenzene	DCBd 4	Ave	9969	22115	51080	207535	425047	0.500	1.00	2.50	10.0	20.0
			893507	1638575	2268547			40.0	60.0	80.0		
p-Isopropyltoluene	DCBd 4	Ave	17747	36320	101006	412132	898729	0.500	1.00	2.50	10.0	20.0
			1871654	3233056	4620911			40.0	60.0	80.0		
1,4-Dichlorobenzene	DCBd 4	Ave	12150	22675	53944	210010	431969	0.500	1.00	2.50	10.0	20.0
			906160	1685375	2330926			40.0	60.0	80.0		
n-Butylbenzene	DCBd 4	Ave	16510	31999	89936	356572	781873	0.500	1.00	2.50	10.0	20.0
			1611825	2693670	3872041			40.0	60.0	80.0		
1,2-Dichlorobenzene	DCBd 4	Ave	10049	20070	51642	206490	425817	0.500	1.00	2.50	10.0	20.0
			883505	1561055	2197382			40.0	60.0	80.0		
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++	2413	6737	29297	61550	+++++	1.00	2.50	10.0	20.0
			136210	233133	334185			40.0	60.0	80.0		
1,2,4-Trichlorobenzene	DCBd 4	Ave	5349	12222	28440	117496	244991	0.500	1.00	2.50	10.0	20.0
			531099	824599	1167234			40.0	60.0	80.0		
Hexachlorobutadiene	DCBd 4	Ave	+++++	3367	9839	39871	92680	+++++	1.00	2.50	10.0	20.0
			196332	261594	429829			40.0	60.0	80.0		

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Naphthalene	DCBd 4	Ave	17325 1669667	37629 2546277	91150 3773268	375779	781994	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	4793 466168	10551 706951	25350 1054660	104153	219068	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Dibromofluoromethane (Surr)	FB	Ave	5765 451037	11425 719584	24564 901515	103224	204008	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 515721	16093 860680	29564 1037497	121689	237144	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Toluene-d8 (Surr)	CBNZ d5	Ave	23598 1561854	37142 2749425	87076 3699278	346966	704525	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	+++++ 537017	15428 981556	32561 1354196	123068	251397	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0

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.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-497502/10	U1287160.D
Level 2	STD8260 240-497502/11	U1287161.D
Level 3	STD8260 240-497502/12	U1287162.D
Level 4	STD8260 240-497502/13	U1287163.D
Level 5	ICIS 240-497502/14	U1287164.D
Level 6	STD8260 240-497502/15	U1287165.D
Level 7	STD8260 240-497502/16	U1287166.D
Level 8	STD8260 240-497502/17	U1287167.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Acetone	+++++	-6.0						50				
tert-Butyl alcohol	+++++	-12.5						50				
n-Heptane	+++++	+++++	-0.8						50			
1,4-Dioxane	+++++	2.2						50				

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-500502/4 Calibration Date: 08/21/2021 12:28

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287551.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	0.4607	0.4434	0.1000	0.0192	0.0200	-3.8	20.0
Chloromethane	Ave	0.7847	0.7270	0.1000	0.0185	0.0200	-7.4	20.0
Butadiene	Ave	0.5239	0.5279		0.0202	0.0200	0.8	20.0
Vinyl chloride	Ave	0.5358	0.4904	0.1000	0.0183	0.0200	-8.5	20.0
Bromomethane	Ave	0.3785	0.3291	0.0500	0.0174	0.0200	-13.1	20.0
Chloroethane	Ave	0.4234	0.3701	0.0500	0.0175	0.0200	-12.6	20.0
Dichlorofluoromethane	Ave	0.8539	0.7645		0.0179	0.0200	-10.5	20.0
Trichlorofluoromethane	Ave	0.6701	0.6249	0.1000	0.0187	0.0200	-6.7	20.0
Ethyl ether	Ave	0.3315	0.3423		0.0207	0.0200	3.3	20.0
Acrolein	Ave	0.0080	0.0257		0.320	0.100	220.4*	20.0
1,1-Dichloroethene	Ave	0.5628	0.5800	0.1000	0.0206	0.0200	3.1	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3109	0.3394	0.0500	0.0218	0.0200	9.1	20.0
Acetone	Lin1		0.1060	0.0100	0.0495	0.0400	23.7	50.0
Iodomethane	Ave	0.4317	0.4697		0.0218	0.0200	8.8	20.0
Carbon disulfide	Ave	0.9646	1.059	0.1000	0.0220	0.0200	9.8	20.0
3-Chloro-1-propene	Ave	0.5760	0.5964		0.0207	0.0200	3.5	20.0
Methyl acetate	Ave	0.2494	0.3016	0.1000	0.0484	0.0400	21.0	50.0
Methylene Chloride	Ave	0.4939	0.4809	0.1000	0.0195	0.0200	-2.6	50.0
tert-Butyl alcohol	Lin1		0.0309		0.270	0.200	35.0*	20.0
Acrylonitrile	Ave	0.1103	0.1373		0.249	0.200	24.5*	20.0
Methyl tert-butyl ether	Ave	0.9596	0.9794	0.1000	0.0204	0.0200	2.1	20.0
trans-1,2-Dichloroethene	Ave	0.5029	0.5390	0.1000	0.0214	0.0200	7.2	20.0
Hexane	Ave	0.4785	0.5396		0.0226	0.0200	12.8	20.0
1,1-Dichloroethane	Ave	0.6123	0.6585	0.2000	0.0215	0.0200	7.5	20.0
Vinyl acetate	Ave	0.5879	0.7194		0.0245	0.0200	22.4*	20.0
2,2-Dichloropropane	Ave	0.3718	0.4110		0.0221	0.0200	10.5	20.0
cis-1,2-Dichloroethene	Ave	0.3374	0.3717	0.1000	0.0220	0.0200	10.1	20.0
2-Butanone	Ave	0.0379	0.0567	0.0100	0.0598	0.0400	49.6	50.0
Bromochloromethane	Ave	0.2794	0.2993		0.0214	0.0200	7.1	20.0
Tetrahydrofuran	Ave	0.1197	0.1550		0.0518	0.0400	29.5*	20.0
Chloroform	Ave	0.5344	0.5723	0.2000	0.0214	0.0200	7.1	20.0
1,1,1-Trichloroethane	Ave	0.4740	0.5187	0.1000	0.0219	0.0200	9.4	20.0
Cyclohexane	Ave	0.5660	0.6255	0.1000	0.0221	0.0200	10.5	20.0
1,1-Dichloropropene	Ave	0.4476	0.4818		0.0215	0.0200	7.6	20.0
Carbon tetrachloride	Ave	0.3816	0.4197	0.1000	0.0220	0.0200	10.0	20.0
Isobutyl alcohol	Ave	0.0139	0.0165		0.597	0.500	19.4	20.0
Benzene	Ave	1.185	1.280	0.5000	0.0216	0.0200	8.0	20.0
1,2-Dichloroethane	Ave	0.3917	0.4230	0.1000	0.0216	0.0200	8.0	20.0
n-Heptane	Lin1		0.2237		0.0216	0.0200	8.2	20.0
Trichloroethene	Ave	0.2742	0.2921	0.1500	0.0213	0.0200	6.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-500679/3 Calibration Date: 08/23/2021 17:06

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 15:46

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 17:59

Lab File ID: U1287582.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	0.0457	0.0779		0.341	0.200	70.6*	20.0
Diisopropyl ether	Ave	0.2748	0.2870		0.0209	0.0200	4.4	20.0
2-Chloro-1,3-butadiene	Ave	0.6251	0.6073		0.0194	0.0200	-2.8	20.0
Ethyl-t-butyl ether (ETBE)	Ave	1.077	1.071		0.0199	0.0200	-0.5	20.0
Ethyl acetate	Ave	0.3431	0.3473		0.0405	0.0400	1.2	20.0
Propionitrile	Ave	0.0511	0.0813		0.318	0.200	59.0*	20.0
Methacrylonitrile	Ave	0.2478	0.2722		0.220	0.200	9.9	20.0
Tert-amyl-methyl ether (TAME)	Ave	1.056	1.176		0.0223	0.0200	11.4	20.0
n-Butanol	Ave	0.0119	0.0160		0.671	0.500	34.1*	20.0
Ethyl acrylate	Ave	0.3751	0.3809		0.0203	0.0200	1.6	20.0
Methyl methacrylate	Ave	0.2848	0.2910		0.0409	0.0400	2.2	20.0
2-Nitropropane	Ave	0.0933	0.0896		0.0384	0.0400	-4.0	20.0
n-Butyl acetate	Ave	0.8864	0.8829		0.0199	0.0200	-0.4	20.0
1-Chlorohexane	Ave	0.6008	0.6080		0.0202	0.0200	1.2	20.0
Cyclohexanone	Ave	0.0202	0.0280		0.278	0.200	39.0*	20.0
Pentachloroethane	Ave	0.3217	0.4414		0.0549	0.0400	37.2*	20.0
1,2,3-Trimethylbenzene	Ave	2.930	3.187		0.0218	0.0200	8.8	20.0
Benzyl chloride	Ave	1.967	2.213		0.0225	0.0200	12.5	20.0
1,3,5-Trichlorobenzene	Ave	0.9511	1.022		0.0215	0.0200	7.5	20.0
2-Methylnaphthalene	Ave	0.9218	1.106		0.0480	0.0400	20.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-500679/4 Calibration Date: 08/23/2021 17:28

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287583.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	0.4607	0.4587	0.1000	0.0199	0.0200	-0.4	20.0
Chloromethane	Ave	0.7847	0.6756	0.1000	0.0172	0.0200	-13.9	20.0
Butadiene	Ave	0.5239	0.4905		0.0187	0.0200	-6.4	20.0
Vinyl chloride	Ave	0.5358	0.4762	0.1000	0.0178	0.0200	-11.1	20.0
Bromomethane	Ave	0.3785	0.3044	0.0500	0.0161	0.0200	-19.6	20.0
Chloroethane	Ave	0.4234	0.3374	0.0500	0.0159	0.0200	-20.3*	20.0
Dichlorofluoromethane	Ave	0.8539	0.7069		0.0166	0.0200	-17.2	20.0
Trichlorofluoromethane	Ave	0.6701	0.6008	0.1000	0.0179	0.0200	-10.3	20.0
Ethyl ether	Ave	0.3315	0.3215		0.0194	0.0200	-3.0	20.0
Acrolein	Ave	0.0080	0.0288		0.360	0.100	259.6*	20.0
1,1-Dichloroethene	Ave	0.5628	0.5183	0.1000	0.0184	0.0200	-7.9	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3109	0.3030	0.0500	0.0195	0.0200	-2.5	20.0
Acetone	Lin1		0.1311	0.0100	0.0617	0.0400	54.3*	50.0
Iodomethane	Ave	0.4317	0.4202		0.0195	0.0200	-2.7	20.0
Carbon disulfide	Ave	0.9646	0.9424	0.1000	0.0195	0.0200	-2.3	20.0
3-Chloro-1-propene	Ave	0.5760	0.5475		0.0190	0.0200	-4.9	20.0
Methyl acetate	Ave	0.2494	0.3322	0.1000	0.0533	0.0400	33.2	50.0
Methylene Chloride	Ave	0.4939	0.4323	0.1000	0.0175	0.0200	-12.5	50.0
tert-Butyl alcohol	Lin1		0.0296		0.258	0.200	29.1*	20.0
Acrylonitrile	Ave	0.1103	0.1586		0.288	0.200	43.8*	20.0
Methyl tert-butyl ether	Ave	0.9596	0.9547	0.1000	0.0199	0.0200	-0.5	20.0
trans-1,2-Dichloroethene	Ave	0.5029	0.4848	0.1000	0.0193	0.0200	-3.6	20.0
Hexane	Ave	0.4785	0.5160		0.0216	0.0200	7.8	20.0
1,1-Dichloroethane	Ave	0.6123	0.6042	0.2000	0.0197	0.0200	-1.3	20.0
Vinyl acetate	Ave	0.5879	0.7432		0.0253	0.0200	26.4*	20.0
2,2-Dichloropropane	Ave	0.3718	0.3776		0.0203	0.0200	1.6	20.0
cis-1,2-Dichloroethene	Ave	0.3374	0.3388	0.1000	0.0201	0.0200	0.4	20.0
2-Butanone	Ave	0.0379	0.0595	0.0100	0.0628	0.0400	56.9*	50.0
Bromochloromethane	Ave	0.2794	0.2901		0.0208	0.0200	3.8	20.0
Tetrahydrofuran	Ave	0.1197	0.1563		0.0522	0.0400	30.6*	20.0
Chloroform	Ave	0.5344	0.5428	0.2000	0.0203	0.0200	1.6	20.0
1,1,1-Trichloroethane	Ave	0.4740	0.4810	0.1000	0.0203	0.0200	1.5	20.0
Cyclohexane	Ave	0.5660	0.5714	0.1000	0.0202	0.0200	1.0	20.0
1,1-Dichloropropene	Ave	0.4476	0.4610		0.0206	0.0200	3.0	20.0
Carbon tetrachloride	Ave	0.3816	0.3907	0.1000	0.0205	0.0200	2.4	20.0
Isobutyl alcohol	Ave	0.0139	0.0178		0.642	0.500	28.4*	20.0
Benzene	Ave	1.185	1.218	0.5000	0.0206	0.0200	2.8	20.0
1,2-Dichloroethane	Ave	0.3917	0.4316	0.1000	0.0220	0.0200	10.2	20.0
n-Heptane	Lin1		0.2216		0.0214	0.0200	7.0	20.0
Trichloroethene	Ave	0.2742	0.2915	0.1500	0.0213	0.0200	6.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-500679/4 Calibration Date: 08/23/2021 17:28

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287583.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	0.5472	0.5635	0.1000	0.0206	0.0200	3.0	20.0
1,2-Dichloropropane	Ave	0.2617	0.2862	0.1000	0.0219	0.0200	9.4	20.0
Dibromomethane	Ave	0.1435	0.1711		0.0239	0.0200	19.3	20.0
1,4-Dioxane	Lin1		0.0037		0.519	0.400	29.7	50.0
Bromodichloromethane	Ave	0.3182	0.3546	0.1500	0.0223	0.0200	11.4	20.0
2-Chloroethyl vinyl ether	Ave	0.1600	0.2025		0.0506	0.0400	26.6*	20.0
cis-1,3-Dichloropropene	Ave	0.3823	0.4404	0.1500	0.0230	0.0200	15.2	50.0
4-Methyl-2-pentanone	Ave	0.4019	0.4753	0.0500	0.0473	0.0400	18.3	50.0
Toluene	Ave	1.719	1.728	0.4000	0.0201	0.0200	0.5	20.0
trans-1,3-Dichloropropene	Ave	0.5382	0.5701	0.1000	0.0212	0.0200	5.9	20.0
Ethyl methacrylate	Ave	0.5545	0.5971		0.0215	0.0200	7.7	20.0
1,1,2-Trichloroethane	Ave	0.3002	0.3295	0.1000	0.0220	0.0200	9.8	20.0
Tetrachloroethene	Ave	0.3786	0.3912	0.1500	0.0207	0.0200	3.3	20.0
1,3-Dichloropropane	Ave	0.5940	0.6391		0.0215	0.0200	7.6	20.0
2-Hexanone	Ave	0.4571	0.5069	0.0500	0.0444	0.0400	10.9	50.0
Dibromochloromethane	Ave	0.2958	0.3129		0.0212	0.0200	5.8	20.0
1,2-Dibromoethane	Ave	0.3268	0.3478		0.0213	0.0200	6.4	20.0
Chlorobenzene	Ave	1.033	1.028	0.3000	0.0199	0.0200	-0.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3904	0.3613		0.0185	0.0200	-7.5	20.0
Ethylbenzene	Ave	0.6008	0.6028		0.0201	0.0200	0.3	20.0
m-Xylene & p-Xylene	Ave	0.7589	0.7507		0.0198	0.0200	-1.1	20.0
o-Xylene	Ave	0.7721	0.7393		0.0192	0.0200	-4.2	20.0
Styrene	Ave	1.151	1.174	0.3000	0.0204	0.0200	2.0	20.0
Bromoform	Ave	0.2074	0.2202	0.1000	0.0212	0.0200	6.2	20.0
Isopropylbenzene	Ave	2.069	1.970	0.1000	0.0190	0.0200	-4.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9783	1.031	0.3000	0.0211	0.0200	5.4	20.0
Bromobenzene	Ave	0.7407	0.7535		0.0203	0.0200	1.7	20.0
1,2,3-Trichloropropane	Ave	0.3241	0.3499		0.0216	0.0200	8.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3665	0.3554		0.0194	0.0200	-3.0	20.0
n-Propylbenzene	Ave	0.9377	0.9594		0.0205	0.0200	2.3	20.0
2-Chlorotoluene	Ave	0.8024	0.7799		0.0194	0.0200	-2.8	20.0
1,3,5-Trimethylbenzene	Ave	2.782	2.749		0.0198	0.0200	-1.2	20.0
4-Chlorotoluene	Ave	0.7856	0.8023		0.0204	0.0200	2.1	20.0
tert-Butylbenzene	Ave	2.227	2.385		0.0214	0.0200	7.1	20.0
1,2,4-Trimethylbenzene	Ave	2.830	2.805		0.0198	0.0200	-0.9	20.0
sec-Butylbenzene	Ave	3.371	3.407		0.0202	0.0200	1.1	20.0
1,3-Dichlorobenzene	Ave	1.477	1.464	0.6000	0.0198	0.0200	-0.9	20.0
p-Isopropyltoluene	Ave	2.875	2.875		0.0200	0.0200	0.0	20.0
1,4-Dichlorobenzene	Ave	1.549	1.474	0.5000	0.0190	0.0200	-4.8	20.0
n-Butylbenzene	Ave	2.502	2.454		0.0196	0.0200	-1.9	20.0
1,2-Dichlorobenzene	Ave	1.445	1.445	0.4000	0.0200	0.0200	-0.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-500679/4 Calibration Date: 08/23/2021 17:28

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287583.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	0.2053	0.2366	0.0500	0.0231	0.0200	15.3	50.0
1,2,4-Trichlorobenzene	Ave	0.8138	0.7580	0.2000	0.0186	0.0200	-6.9	50.0
Hexachlorobutadiene	Ave	0.2811	0.2514		0.0179	0.0200	-10.6	50.0
Naphthalene	Ave	2.580	2.716		0.0210	0.0200	5.2	50.0
1,2,3-Trichlorobenzene	Ave	0.7190	0.7031		0.0196	0.0200	-2.2	20.0
Dibromofluoromethane (Surr)	Ave	0.2519	0.2293		0.0182	0.0200	-9.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2998	0.2949		0.0197	0.0200	-1.6	20.0
Toluene-d8 (Surr)	Ave	1.482	1.229		0.0166	0.0200	-17.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5255	0.4439		0.0169	0.0200	-15.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-501270/3 Calibration Date: 08/26/2021 18:40

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 15:46

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 17:59

Lab File ID: U1287638.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	0.0457	0.0559		0.245	0.200	22.3*	20.0
Diisopropyl ether	Ave	0.2748	0.2987		0.0217	0.0200	8.7	20.0
2-Chloro-1,3-butadiene	Ave	0.6251	0.5945		0.0190	0.0200	-4.9	20.0
Ethyl-t-butyl ether (ETBE)	Ave	1.077	1.067		0.0198	0.0200	-0.9	20.0
Ethyl acetate	Ave	0.3431	0.3733		0.0435	0.0400	8.8	20.0
Propionitrile	Ave	0.0511	0.0613		0.240	0.200	19.8	20.0
Methacrylonitrile	Ave	0.2478	0.2639		0.213	0.200	6.5	20.0
Tert-amyl-methyl ether (TAME)	Ave	1.056	1.128		0.0214	0.0200	6.8	20.0
n-Butanol	Ave	0.0119	0.0152		0.638	0.500	27.7*	20.0
Ethyl acrylate	Ave	0.3751	0.3822		0.0204	0.0200	1.9	20.0
Methyl methacrylate	Ave	0.2848	0.2895		0.0407	0.0400	1.7	20.0
2-Nitropropane	Ave	0.0933	0.0813		0.0348	0.0400	-12.9	20.0
n-Butyl acetate	Ave	0.8864	0.8609		0.0194	0.0200	-2.9	20.0
1-Chlorohexane	Ave	0.6008	0.5999		0.0200	0.0200	-0.2	20.0
Cyclohexanone	Ave	0.0202	0.0214		0.212	0.200	6.0	20.0
Pentachloroethane	Ave	0.3217	0.4025		0.0501	0.0400	25.1*	20.0
1,2,3-Trimethylbenzene	Ave	2.930	2.950		0.0201	0.0200	0.7	20.0
Benzyl chloride	Ave	1.967	1.986		0.0202	0.0200	0.9	20.0
1,3,5-Trichlorobenzene	Ave	0.9511	0.9443		0.0199	0.0200	-0.7	20.0
2-Methylnaphthalene	Ave	0.9218	0.9585		0.0416	0.0400	4.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-501270/4 Calibration Date: 08/26/2021 19:02

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287639.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	0.4607	0.4724	0.1000	0.0205	0.0200	2.6	20.0
Chloromethane	Ave	0.7847	0.7469	0.1000	0.0190	0.0200	-4.8	20.0
Butadiene	Ave	0.5239	0.5545		0.0212	0.0200	5.8	20.0
Vinyl chloride	Ave	0.5358	0.5151	0.1000	0.0192	0.0200	-3.9	20.0
Bromomethane	Ave	0.3785	0.3376	0.0500	0.0178	0.0200	-10.8	20.0
Chloroethane	Ave	0.4234	0.3697	0.0500	0.0175	0.0200	-12.7	20.0
Dichlorofluoromethane	Ave	0.8539	0.7736		0.0181	0.0200	-9.4	20.0
Trichlorofluoromethane	Ave	0.6701	0.6626	0.1000	0.0198	0.0200	-1.1	20.0
Ethyl ether	Ave	0.3315	0.3441		0.0208	0.0200	3.8	20.0
Acrolein	Ave	0.0080	0.0346		0.432	0.100	332.1*	20.0
1,1-Dichloroethene	Ave	0.5628	0.5563	0.1000	0.0198	0.0200	-1.2	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3109	0.3310	0.0500	0.0213	0.0200	6.4	20.0
Acetone	Lin1		0.1230	0.0100	0.0578	0.0400	44.4	50.0
Iodomethane	Ave	0.4317	0.4654		0.0216	0.0200	7.8	20.0
Carbon disulfide	Ave	0.9646	1.026	0.1000	0.0213	0.0200	6.4	20.0
3-Chloro-1-propene	Ave	0.5760	0.5921		0.0206	0.0200	2.8	20.0
Methyl acetate	Ave	0.2494	0.3469	0.1000	0.0556	0.0400	39.1	50.0
Methylene Chloride	Ave	0.4939	0.4827	0.1000	0.0195	0.0200	-2.3	50.0
tert-Butyl alcohol	Lin1		0.0327		0.286	0.200	43.2*	20.0
Acrylonitrile	Ave	0.1103	0.1650		0.299	0.200	49.6*	20.0
Methyl tert-butyl ether	Ave	0.9596	1.073	0.1000	0.0224	0.0200	11.9	20.0
trans-1,2-Dichloroethene	Ave	0.5029	0.5384	0.1000	0.0214	0.0200	7.1	20.0
Hexane	Ave	0.4785	0.4999		0.0209	0.0200	4.5	20.0
1,1-Dichloroethane	Ave	0.6123	0.6561	0.2000	0.0214	0.0200	7.2	20.0
Vinyl acetate	Ave	0.5879	0.6896		0.0235	0.0200	17.3	20.0
2,2-Dichloropropane	Ave	0.3718	0.4493		0.0242	0.0200	20.8*	20.0
cis-1,2-Dichloroethene	Ave	0.3374	0.3756	0.1000	0.0223	0.0200	11.3	20.0
2-Butanone	Ave	0.0379	0.0518	0.0100	0.0547	0.0400	36.8	50.0
Bromochloromethane	Ave	0.2794	0.3301		0.0236	0.0200	18.1	20.0
Tetrahydrofuran	Ave	0.1197	0.1485		0.0496	0.0400	24.1*	20.0
Chloroform	Ave	0.5344	0.5799	0.2000	0.0217	0.0200	8.5	20.0
1,1,1-Trichloroethane	Ave	0.4740	0.5188	0.1000	0.0219	0.0200	9.5	20.0
Cyclohexane	Ave	0.5660	0.6205	0.1000	0.0219	0.0200	9.6	20.0
1,1-Dichloropropene	Ave	0.4476	0.4602		0.0206	0.0200	2.8	20.0
Carbon tetrachloride	Ave	0.3816	0.4194	0.1000	0.0220	0.0200	9.9	20.0
Isobutyl alcohol	Ave	0.0139	0.0174		0.626	0.500	25.3*	20.0
Benzene	Ave	1.185	1.245	0.5000	0.0210	0.0200	5.0	20.0
1,2-Dichloroethane	Ave	0.3917	0.4266	0.1000	0.0218	0.0200	8.9	20.0
n-Heptane	Lin1		0.2159		0.0207	0.0200	3.7	20.0
Trichloroethene	Ave	0.2742	0.2888	0.1500	0.0211	0.0200	5.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-501270/4 Calibration Date: 08/26/2021 19:02

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287639.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	0.5472	0.6074	0.1000	0.0222	0.0200	11.0	20.0
1,2-Dichloropropane	Ave	0.2617	0.2847	0.1000	0.0218	0.0200	8.8	20.0
Dibromomethane	Ave	0.1435	0.1732		0.0241	0.0200	20.7*	20.0
1,4-Dioxane	Lin1		0.0033		0.469	0.400	17.3	50.0
Bromodichloromethane	Ave	0.3182	0.3430	0.1500	0.0216	0.0200	7.8	20.0
2-Chloroethyl vinyl ether	Ave	0.1600	0.1726		0.0432	0.0400	7.9	20.0
cis-1,3-Dichloropropene	Ave	0.3823	0.4002	0.1500	0.0209	0.0200	4.7	50.0
4-Methyl-2-pentanone	Ave	0.4019	0.4550	0.0500	0.0453	0.0400	13.2	50.0
Toluene	Ave	1.719	1.733	0.4000	0.0202	0.0200	0.8	20.0
trans-1,3-Dichloropropene	Ave	0.5382	0.5257	0.1000	0.0195	0.0200	-2.3	20.0
Ethyl methacrylate	Ave	0.5545	0.5909		0.0213	0.0200	6.6	20.0
1,1,2-Trichloroethane	Ave	0.3002	0.3217	0.1000	0.0214	0.0200	7.2	20.0
Tetrachloroethene	Ave	0.3786	0.4138	0.1500	0.0219	0.0200	9.3	20.0
1,3-Dichloropropane	Ave	0.5940	0.5927		0.0200	0.0200	-0.2	20.0
2-Hexanone	Ave	0.4571	0.4701	0.0500	0.0411	0.0400	2.8	50.0
Dibromochloromethane	Ave	0.2958	0.3124		0.0211	0.0200	5.6	20.0
1,2-Dibromoethane	Ave	0.3268	0.3371		0.0206	0.0200	3.2	20.0
Chlorobenzene	Ave	1.033	1.033	0.3000	0.0200	0.0200	0.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3904	0.3920		0.0201	0.0200	0.4	20.0
Ethylbenzene	Ave	0.6008	0.6297		0.0210	0.0200	4.8	20.0
m-Xylene & p-Xylene	Ave	0.7589	0.7809		0.0206	0.0200	2.9	20.0
o-Xylene	Ave	0.7721	0.7896		0.0205	0.0200	2.3	20.0
Styrene	Ave	1.151	1.194	0.3000	0.0208	0.0200	3.8	20.0
Bromoform	Ave	0.2074	0.2192	0.1000	0.0211	0.0200	5.7	20.0
Isopropylbenzene	Ave	2.069	2.054	0.1000	0.0199	0.0200	-0.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9783	1.081	0.3000	0.0221	0.0200	10.5	20.0
Bromobenzene	Ave	0.7407	0.7660		0.0207	0.0200	3.4	20.0
1,2,3-Trichloropropane	Ave	0.3241	0.3582		0.0221	0.0200	10.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3665	0.2814		0.0154	0.0200	-23.2*	20.0
n-Propylbenzene	Ave	0.9377	1.003		0.0214	0.0200	6.9	20.0
2-Chlorotoluene	Ave	0.8024	0.8253		0.0206	0.0200	2.9	20.0
1,3,5-Trimethylbenzene	Ave	2.782	2.917		0.0210	0.0200	4.8	20.0
4-Chlorotoluene	Ave	0.7856	0.8139		0.0207	0.0200	3.6	20.0
tert-Butylbenzene	Ave	2.227	2.298		0.0206	0.0200	3.2	20.0
1,2,4-Trimethylbenzene	Ave	2.830	2.920		0.0206	0.0200	3.2	20.0
sec-Butylbenzene	Ave	3.371	3.531		0.0210	0.0200	4.8	20.0
1,3-Dichlorobenzene	Ave	1.477	1.523	0.6000	0.0206	0.0200	3.1	20.0
p-Isopropyltoluene	Ave	2.875	3.027		0.0211	0.0200	5.3	20.0
1,4-Dichlorobenzene	Ave	1.549	1.541	0.5000	0.0199	0.0200	-0.5	20.0
n-Butylbenzene	Ave	2.502	2.643		0.0211	0.0200	5.6	20.0
1,2-Dichlorobenzene	Ave	1.445	1.547	0.4000	0.0214	0.0200	7.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-501270/4 Calibration Date: 08/26/2021 19:02

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287639.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	0.2053	0.2469	0.0500	0.0241	0.0200	20.3	50.0
1,2,4-Trichlorobenzene	Ave	0.8138	0.8651	0.2000	0.0213	0.0200	6.3	50.0
Hexachlorobutadiene	Ave	0.2811	0.2732		0.0194	0.0200	-2.8	50.0
Naphthalene	Ave	2.580	2.991		0.0232	0.0200	15.9	50.0
1,2,3-Trichlorobenzene	Ave	0.7190	0.7940		0.0221	0.0200	10.4	20.0
Dibromofluoromethane (Surr)	Ave	0.2519	0.2749		0.0218	0.0200	9.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2998	0.3388		0.0226	0.0200	13.0	20.0
Toluene-d8 (Surr)	Ave	1.482	1.409		0.0190	0.0200	-4.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5255	0.5244		0.0200	0.0200	-0.2	20.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500502/8

Matrix: Water Lab File ID: U1287555.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 13:56

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500502/8

Matrix: Water Lab File ID: U1287555.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 13:56

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500502/8

Matrix: Water Lab File ID: U1287555.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 13:56

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500502/8

Matrix: Water Lab File ID: U1287555.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 13:56

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.: 500502 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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500679/8

Matrix: Water Lab File ID: U1287587.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 18:57

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500679/8

Matrix: Water Lab File ID: U1287587.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 18:57

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500679/8

Matrix: Water Lab File ID: U1287587.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 18:57

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	104		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500679/8

Matrix: Water Lab File ID: U1287587.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 18:57

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-501270/8

Matrix: Water Lab File ID: U1287643.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-501270/8

Matrix: Water Lab File ID: U1287643.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-501270/8

Matrix: Water Lab File ID: U1287643.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
1868-53-7	Dibromofluoromethane (Surr)	110		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-501270/8

Matrix: Water Lab File ID: U1287643.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Start Date: 07/31/2021 10:57

Analysis Batch Number: 497502 End Date: 07/31/2021 17:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-497502/1		07/31/2021 10:57	1	BFB4720.D	DB-624 0.18(mm)
STD8260 240-497502/10 IC		07/31/2021 11:43	1	U1287160.D	DB-624 0.18(mm)
STD8260 240-497502/11 IC		07/31/2021 12:05	1	U1287161.D	DB-624 0.18(mm)
STD8260 240-497502/12 IC		07/31/2021 12:27	1	U1287162.D	DB-624 0.18(mm)
STD8260 240-497502/13 IC		07/31/2021 12:49	1	U1287163.D	DB-624 0.18(mm)
ICIS 240-497502/14		07/31/2021 13:11	1	U1287164.D	DB-624 0.18(mm)
STD8260 240-497502/15 IC		07/31/2021 13:33	1	U1287165.D	DB-624 0.18(mm)
STD8260 240-497502/16 IC		07/31/2021 13:55	1	U1287166.D	DB-624 0.18(mm)
STD8260 240-497502/17 IC		07/31/2021 14:17	1	U1287167.D	DB-624 0.18(mm)
ICV 240-497502/18		07/31/2021 14:39	1	U1287168.D	DB-624 0.18(mm)
STDA9 240-497502/21 IC		07/31/2021 15:46	1	U1287171.D	DB-624 0.18(mm)
STDA9 240-497502/22 IC		07/31/2021 16:08	1	U1287172.D	DB-624 0.18(mm)
STDA9 240-497502/23 IC		07/31/2021 16:30	1	U1287173.D	DB-624 0.18(mm)
STDA9 240-497502/24 IC		07/31/2021 16:52	1	U1287174.D	DB-624 0.18(mm)
STDA9 240-497502/25 IC		07/31/2021 17:14	1	U1287175.D	DB-624 0.18(mm)
STDA9 240-497502/26 IC		07/31/2021 17:37	1	U1287176.D	DB-624 0.18(mm)
STDA9 240-497502/27 IC		07/31/2021 17:59	1	U1287177.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Start Date: 08/02/2021 16:50

Analysis Batch Number: 497699 End Date: 08/02/2021 19:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-497699/1		08/02/2021 16:50	1	BFB4721.D	DB-624 0.18(mm)
CCV 240-497699/3		08/02/2021 17:15	1		DB-624 0.18(mm)
CCVIS 240-497699/4		08/02/2021 17:37	1		DB-624 0.18(mm)
ICV 240-497699/6		08/02/2021 18:21	1	U1287184.D	DB-624 0.18(mm)
MRL 240-497699/7 MDLV		08/02/2021 18:44	1		DB-624 0.18(mm)
MRL 240-497699/8 MDLV		08/02/2021 19:06	1		DB-624 0.18(mm)
ZZZZZ		08/02/2021 19:28	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Start Date: 08/21/2021 11:44

Analysis Batch Number: 500502 End Date: 08/21/2021 21:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-500502/1		08/21/2021 11:44	1	BFB4735.D	DB-624 0.18(mm)
CCV 240-500502/3		08/21/2021 12:06	1	U1287550.D	DB-624 0.18(mm)
CCVIS 240-500502/4		08/21/2021 12:28	1	U1287551.D	DB-624 0.18(mm)
LCS 240-500502/5		08/21/2021 12:50	1	U1287552.D	DB-624 0.18(mm)
MRL 240-500502/6 MDLV		08/21/2021 13:12	1		DB-624 0.18(mm)
MRL 240-500502/7 MDLV		08/21/2021 13:34	1		DB-624 0.18(mm)
MB 240-500502/8		08/21/2021 13:56	1	U1287555.D	DB-624 0.18(mm)
ZZZZZ		08/21/2021 14:18	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 14:40	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 15:02	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 15:25	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 15:47	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 16:09	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 16:31	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 16:53	1		DB-624 0.18(mm)
240-154707-E-5 MS		08/21/2021 17:15	1	U1287564.D	DB-624 0.18(mm)
240-154707-H-5 MSD		08/21/2021 17:37	1	U1287565.D	DB-624 0.18(mm)
ZZZZZ		08/21/2021 18:22	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 18:44	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 19:06	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 19:28	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 19:50	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 20:12	1		DB-624 0.18(mm)
240-154716-1	MSA-SW37A-081721	08/21/2021 20:34	1	U1287573.D	DB-624 0.18(mm)
240-154716-2	MSA-SW37B-081721	08/21/2021 20:56	1	U1287574.D	DB-624 0.18(mm)
240-154716-3	MSA-SW37C-081721	08/21/2021 21:19	1	U1287575.D	DB-624 0.18(mm)
240-154716-4	MSA-SW37D-081721	08/21/2021 21:41	1	U1287576.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Start Date: 08/23/2021 16:44

Analysis Batch Number: 500679 End Date: 08/24/2021 02:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-500679/1		08/23/2021 16:44	1	BFB4736.D	DB-624 0.18(mm)
CCV 240-500679/3		08/23/2021 17:06	1	U1287582.D	DB-624 0.18(mm)
CCVIS 240-500679/4		08/23/2021 17:28	1	U1287583.D	DB-624 0.18(mm)
LCS 240-500679/5		08/23/2021 17:50	1	U1287584.D	DB-624 0.18(mm)
MRL 240-500679/6 MDLV		08/23/2021 18:13	1		DB-624 0.18(mm)
MRL 240-500679/7 MDLV		08/23/2021 18:35	1		DB-624 0.18(mm)
MB 240-500679/8		08/23/2021 18:57	1	U1287587.D	DB-624 0.18(mm)
240-154716-5	MSA-SW38A-081721	08/23/2021 19:18	1	U1287588.D	DB-624 0.18(mm)
240-154716-6	MSA-SW38B-081721	08/23/2021 19:40	1	U1287589.D	DB-624 0.18(mm)
240-154716-7	MSA-SW38C-081721	08/23/2021 20:03	1	U1287590.D	DB-624 0.18(mm)
240-154716-8	MSA-SW38D-081721	08/23/2021 20:25	1	U1287591.D	DB-624 0.18(mm)
240-154716-9	MSA-SW40A-081721	08/23/2021 20:47	1	U1287592.D	DB-624 0.18(mm)
240-154716-10	MSA-SW40B-081721	08/23/2021 21:09	1	U1287593.D	DB-624 0.18(mm)
240-154716-11	MSA-SW40C-081721	08/23/2021 21:31	1	U1287594.D	DB-624 0.18(mm)
240-154716-12	MSA-SW40D-081721	08/23/2021 21:53	1	U1287595.D	DB-624 0.18(mm)
240-154716-13	MSA-SW41A-081721	08/23/2021 22:15	1	U1287596.D	DB-624 0.18(mm)
240-154716-14	MSA-SW41B-081721	08/23/2021 22:37	1	U1287597.D	DB-624 0.18(mm)
240-154716-15	MSA-SW41C-081721	08/23/2021 23:00	1	U1287598.D	DB-624 0.18(mm)
240-154716-16	MSA-SW41D-081721	08/23/2021 23:22	1	U1287599.D	DB-624 0.18(mm)
240-154716-17	MSA-SW42A-081721	08/23/2021 23:44	1	U1287600.D	DB-624 0.18(mm)
240-154716-18	MSA-SW42B-081721	08/24/2021 00:06	1	U1287601.D	DB-624 0.18(mm)
240-154716-19	MSA-SW42C-081721	08/24/2021 00:28	1	U1287602.D	DB-624 0.18(mm)
240-154716-20	MSA-SW42D-081721	08/24/2021 00:50	1	U1287603.D	DB-624 0.18(mm)
240-154716-21	MSA-SW43A-081721	08/24/2021 01:12	1	U1287604.D	DB-624 0.18(mm)
240-154716-22	MSA-SW43B-081721	08/24/2021 01:34	1	U1287605.D	DB-624 0.18(mm)
240-154716-24	MSA-SW43D-081721	08/24/2021 02:19	1	U1287607.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Start Date: 08/26/2021 18:15

Analysis Batch Number: 501270 End Date: 08/27/2021 01:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-501270/1		08/26/2021 18:15	1	BFB4738.D	DB-624 0.18(mm)
CCV 240-501270/3		08/26/2021 18:40	1	U1287638.D	DB-624 0.18(mm)
CCVIS 240-501270/4		08/26/2021 19:02	1	U1287639.D	DB-624 0.18(mm)
LCS 240-501270/5		08/26/2021 19:25	1	U1287640.D	DB-624 0.18(mm)
MRL 240-501270/6 MDLV		08/26/2021 19:47	1		DB-624 0.18(mm)
MRL 240-501270/7 MDLV		08/26/2021 20:09	1		DB-624 0.18(mm)
MB 240-501270/8		08/26/2021 20:31	1	U1287643.D	DB-624 0.18(mm)
240-154716-23	MSA-SW43C-081721	08/26/2021 20:54	1	U1287644.D	DB-624 0.18(mm)
240-154716-25	MSA-SW44A-081721	08/26/2021 21:16	1	U1287645.D	DB-624 0.18(mm)
240-154716-26	MSA-SW44B-081721	08/26/2021 21:38	1	U1287646.D	DB-624 0.18(mm)
240-154716-27	MSA-SW44C-081721	08/26/2021 22:00	1	U1287647.D	DB-624 0.18(mm)
240-154716-28	MSA-SW44D-081721	08/26/2021 22:23	1	U1287648.D	DB-624 0.18(mm)
240-154716-29	TB-081721	08/26/2021 22:45	1	U1287649.D	DB-624 0.18(mm)
240-154716-30	MSA-SW46A-081721	08/26/2021 23:07	1	U1287650.D	DB-624 0.18(mm)
240-154716-31	MSA-SW47A-081721	08/26/2021 23:29	1	U1287651.D	DB-624 0.18(mm)
240-154716-32	MSA-SW48A-081721	08/26/2021 23:52	1	U1287652.D	DB-624 0.18(mm)
240-154716-33	MSA-SW49A-081721	08/27/2021 00:14	1	U1287653.D	DB-624 0.18(mm)
ZZZZZ		08/27/2021 00:36	1		DB-624 0.18(mm)
ZZZZZ		08/27/2021 00:58	20		DB-624 0.18(mm)
200-59769-B-1 MS		08/27/2021 01:21	20	U1287656.D	DB-624 0.18(mm)
200-59769-B-1 MSD		08/27/2021 01:42	20	U1287657.D	DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 497502 Batch Start Date: 07/31/21 10:57 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_a 00008	vm50ss 00449	vm50ss_stk 00087	vmarolistdw 00402
BFB 240-497502/1		8260C		5 mL	5 mL				
STD8260 240-497502/10 IC		8260C		5 mL	5 mL	2 uL	0.4 uL		0.4 uL
STD8260 240-497502/11 IC		8260C		5 mL	5 mL	2 uL	0.8 uL		0.8 uL
STD8260 240-497502/12 IC		8260C		5 mL	5 mL	2 uL	2 uL		2 uL
STD8260 240-497502/13 IC		8260C		5 mL	5 mL	2 uL	8 uL		8 uL
ICIS 240-497502/14		8260C		5 mL	5 mL	2 uL	16 uL		16 uL
STD8260 240-497502/15 IC		8260C		5 mL	5 mL	2 uL	32 uL		32 uL
STD8260 240-497502/16 IC		8260C		5 mL	5 mL	2 uL	48 uL		48 uL
STD8260 240-497502/17 IC		8260C		5 mL	5 mL	2 uL	64 uL		64 uL
ICV 240-497502/18		8260C		5 mL	5 mL	2 uL		2 uL	
STDA9 240-497502/21 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-497502/22 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-497502/23 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-497502/24 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-497502/25 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 497502 Batch Start Date: 07/31/21 10:57 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_a 00008	vm50ss 00449	vm50ss_stk 00087	vmarolistdw 00402
STDA9 240-497502/26 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-497502/27 IC		8260C		5 mL	5 mL	2 uL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00383	vmfasgw 00418	vmfaspw 00408	vmra9w 00400	vmrgas 00394
BFB 240-497502/1		8260C		1 uL					
STD8260 240-497502/10 IC		8260C							0.4 uL
STD8260 240-497502/11 IC		8260C							0.8 uL
STD8260 240-497502/12 IC		8260C							2 uL
STD8260 240-497502/13 IC		8260C							8 uL
ICIS 240-497502/14		8260C							16 uL
STD8260 240-497502/15 IC		8260C							32 uL
STD8260 240-497502/16 IC		8260C							48 uL
STD8260 240-497502/17 IC		8260C							64 uL
ICV 240-497502/18		8260C			16 uL	16 uL	16 uL		
STDA9 240-497502/21 IC		8260C						0.4 uL	
STDA9 240-497502/22 IC		8260C						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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 497502 Batch Start Date: 07/31/21 10:57 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00383	vmfasgw 00418	vmfaspw 00408	vmra9w 00400	vmrgas 00394
STDA9 240-497502/23 IC		8260C						8 uL	
STDA9 240-497502/24 IC		8260C						16 uL	
STDA9 240-497502/25 IC		8260C						32 uL	
STDA9 240-497502/26 IC		8260C						48 uL	
STDA9 240-497502/27 IC		8260C						64 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00445					
BFB 240-497502/1		8260C							
STD8260 240-497502/10 IC		8260C		0.4 uL					
STD8260 240-497502/11 IC		8260C		0.8 uL					
STD8260 240-497502/12 IC		8260C		2 uL					
STD8260 240-497502/13 IC		8260C		8 uL					
ICIS 240-497502/14		8260C		16 uL					
STD8260 240-497502/15 IC		8260C		32 uL					
STD8260 240-497502/16 IC		8260C		48 uL					
STD8260 240-497502/17 IC		8260C		64 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 497502 Batch Start Date: 07/31/21 10:57 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00445					
ICV 240-497502/18		8260C							
STDA9 240-497502/21 IC		8260C							
STDA9 240-497502/22 IC		8260C							
STDA9 240-497502/23 IC		8260C							
STDA9 240-497502/24 IC		8260C							
STDA9 240-497502/25 IC		8260C							
STDA9 240-497502/26 IC		8260C							
STDA9 240-497502/27 IC		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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 497699 Batch Start Date: 08/02/21 16:50 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_a 00008	vm50ss_stk 00087	vmbfb 00027	VMFASA9W 00328
BFB 240-497699/1		8260C		5 mL	5 mL			1 uL	
ICV 240-497699/6		8260C		5 mL	5 mL	2 uL	2 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 500502 Batch Start Date: 08/21/21 11:44 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 00009	vm50ss_stk 00087	vmarolistdw 00405
BFB 240-500502/1		8260C		5 mL	5 mL				
CCV 240-500502/3		8260C		5 mL	5 mL		2 uL		
CCVIS 240-500502/4		8260C		5 mL	5 mL		2 uL	2 uL	16 uL
LCS 240-500502/5		8260C		5 mL	5 mL		2 uL	2 uL	
MB 240-500502/8		8260C		5 mL	5 mL		2 uL	2 uL	
240-154707-E-5 MS	MW-10-081621	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154707-H-5 MSD	MW-10-081621	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-1	MSA-SW37A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-2	MSA-SW37B-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-A-3	MSA-SW37C-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-A-4	MSA-SW37D-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00387	vmfasgw 00420	vmfaspw 00411	vmra9w 00403	vmrgas 00397
BFB 240-500502/1		8260C		1 uL					
CCV 240-500502/3		8260C						16 uL	
CCVIS 240-500502/4		8260C							16 uL
LCS 240-500502/5		8260C			16 uL	16 uL	16 uL		
MB 240-500502/8		8260C							
240-154707-E-5 MS	MW-10-081621	8260C	T		16 uL	16 uL	16 uL		
240-154707-H-5 MSD	MW-10-081621	8260C	T		16 uL	16 uL	16 uL		
240-154716-B-1	MSA-SW37A-081721	8260C	T						
240-154716-B-2	MSA-SW37B-081721	8260C	T						
240-154716-A-3	MSA-SW37C-081721	8260C	T						
240-154716-A-4	MSA-SW37D-081721	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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 500502 Batch Start Date: 08/21/21 11:44 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00448					
BFB 240-500502/1		8260C							
CCV 240-500502/3		8260C							
CCVIS 240-500502/4		8260C		16 uL					
LCS 240-500502/5		8260C							
MB 240-500502/8		8260C							
240-154707-E-5 MS	MW-10-081621	8260C	T						
240-154707-H-5 MSD	MW-10-081621	8260C	T						
240-154716-B-1	MSA-SW37A-081721	8260C	T						
240-154716-B-2	MSA-SW37B-081721	8260C	T						
240-154716-A-3	MSA-SW37C-081721	8260C	T						
240-154716-A-4	MSA-SW37D-081721	8260C	T						

Batch Notes	
pH Indicator ID	HC042657

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 500679 Batch Start Date: 08/23/21 16:44 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 00009	vm50ss_stk 00087	vmarolistdw 00405
BFB 240-500679/1		8260C		5 mL	5 mL				
CCV 240-500679/3		8260C		5 mL	5 mL		2 uL		
CCVIS 240-500679/4		8260C		5 mL	5 mL		2 uL	2 uL	16 uL
LCS 240-500679/5		8260C		5 mL	5 mL		2 uL	2 uL	
MB 240-500679/8		8260C		5 mL	5 mL		2 uL	2 uL	
240-154716-B-5	MSA-SW38A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-6	MSA-SW38B-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-7	MSA-SW38C-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-8	MSA-SW38D-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-9	MSA-SW40A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-10	MSA-SW40B-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-11	MSA-SW40C-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-12	MSA-SW40D-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-13	MSA-SW41A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-14	MSA-SW41B-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-15	MSA-SW41C-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-16	MSA-SW41D-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-17	MSA-SW42A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-A-18	MSA-SW42B-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-C-19	MSA-SW42C-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-20	MSA-SW42D-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-21	MSA-SW43A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-22	MSA-SW43B-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-24	MSA-SW43D-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00387	vmfasgw 00421	vmfaspw 00411	vmra9w 00403	vmrgas 00397
BFB 240-500679/1		8260C		1 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 500679 Batch Start Date: 08/23/21 16:44 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00387	vmfasgw 00421	vmfaspw 00411	vmra9w 00403	vmrgas 00397
CCV 240-500679/3		8260C						16 uL	
CCVIS 240-500679/4		8260C							16 uL
LCS 240-500679/5		8260C			16 uL	16 uL	16 uL		
MB 240-500679/8		8260C							
240-154716-B-5	MSA-SW38A-081721	8260C	T						
240-154716-B-6	MSA-SW38B-081721	8260C	T						
240-154716-B-7	MSA-SW38C-081721	8260C	T						
240-154716-B-8	MSA-SW38D-081721	8260C	T						
240-154716-B-9	MSA-SW40A-081721	8260C	T						
240-154716-B-10	MSA-SW40B-081721	8260C	T						
240-154716-B-11	MSA-SW40C-081721	8260C	T						
240-154716-B-12	MSA-SW40D-081721	8260C	T						
240-154716-B-13	MSA-SW41A-081721	8260C	T						
240-154716-B-14	MSA-SW41B-081721	8260C	T						
240-154716-B-15	MSA-SW41C-081721	8260C	T						
240-154716-B-16	MSA-SW41D-081721	8260C	T						
240-154716-B-17	MSA-SW42A-081721	8260C	T						
240-154716-A-18	MSA-SW42B-081721	8260C	T						
240-154716-C-19	MSA-SW42C-081721	8260C	T						
240-154716-B-20	MSA-SW42D-081721	8260C	T						
240-154716-B-21	MSA-SW43A-081721	8260C	T						
240-154716-B-22	MSA-SW43B-081721	8260C	T						
240-154716-B-24	MSA-SW43D-081721	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00448					
BFB 240-500679/1		8260C							
CCV 240-500679/3		8260C							
CCVIS 240-500679/4		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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 500679 Batch Start Date: 08/23/21 16:44 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00448					
LCS 240-500679/5		8260C							
MB 240-500679/8		8260C							
240-154716-B-5	MSA-SW38A-081721	8260C	T						
240-154716-B-6	MSA-SW38B-081721	8260C	T						
240-154716-B-7	MSA-SW38C-081721	8260C	T						
240-154716-B-8	MSA-SW38D-081721	8260C	T						
240-154716-B-9	MSA-SW40A-081721	8260C	T						
240-154716-B-10	MSA-SW40B-081721	8260C	T						
240-154716-B-11	MSA-SW40C-081721	8260C	T						
240-154716-B-12	MSA-SW40D-081721	8260C	T						
240-154716-B-13	MSA-SW41A-081721	8260C	T						
240-154716-B-14	MSA-SW41B-081721	8260C	T						
240-154716-B-15	MSA-SW41C-081721	8260C	T						
240-154716-B-16	MSA-SW41D-081721	8260C	T						
240-154716-B-17	MSA-SW42A-081721	8260C	T						
240-154716-A-18	MSA-SW42B-081721	8260C	T						
240-154716-C-19	MSA-SW42C-081721	8260C	T						
240-154716-B-20	MSA-SW42D-081721	8260C	T						
240-154716-B-21	MSA-SW43A-081721	8260C	T						
240-154716-B-22	MSA-SW43B-081721	8260C	T						
240-154716-B-24	MSA-SW43D-081721	8260C	T						

Batch Notes	
pH Indicator ID	HC042657

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 501270 Batch Start Date: 08/26/21 18:15 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 00009	vm50ss_stk 00087	vmarolistdw 00406
BFB 240-501270/1		8260C		5 mL	5 mL				
CCV 240-501270/3		8260C		5 mL	5 mL		2 uL		
CCVIS 240-501270/4		8260C		5 mL	5 mL		2 uL	2 uL	16 uL
LCS 240-501270/5		8260C		5 mL	5 mL		2 uL	2 uL	
MB 240-501270/8		8260C		5 mL	5 mL		2 uL	2 uL	
240-154716-C-23	MSA-SW43C-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-A-25	MSA-SW44A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-C-26	MSA-SW44B-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-27	MSA-SW44C-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-28	MSA-SW44D-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-29	TB-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-30	MSA-SW46A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-31	MSA-SW47A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-32	MSA-SW48A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-33	MSA-SW49A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
200-59769-B-1 MS		8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
200-59769-B-1 MSD		8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00387	vmfasgw 00421	vmfaspw 00411	vmra9w 00403	vmrgas 00397
BFB 240-501270/1		8260C		1 uL					
CCV 240-501270/3		8260C						16 uL	
CCVIS 240-501270/4		8260C							16 uL
LCS 240-501270/5		8260C			16 uL	16 uL	16 uL		
MB 240-501270/8		8260C							
240-154716-C-23	MSA-SW43C-081721	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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 501270 Batch Start Date: 08/26/21 18:15 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00387	vmfasgw 00421	vmfaspw 00411	vmra9w 00403	vmrgas 00397
240-154716-A-25	MSA-SW44A-081721	8260C	T						
240-154716-C-26	MSA-SW44B-081721	8260C	T						
240-154716-B-27	MSA-SW44C-081721	8260C	T						
240-154716-B-28	MSA-SW44D-081721	8260C	T						
240-154716-B-29	TB-081721	8260C	T						
240-154716-B-30	MSA-SW46A-081721	8260C	T						
240-154716-B-31	MSA-SW47A-081721	8260C	T						
240-154716-B-32	MSA-SW48A-081721	8260C	T						
240-154716-B-33	MSA-SW49A-081721	8260C	T						
200-59769-B-1 MS		8260C	T		16 uL	16 uL	16 uL		
200-59769-B-1 MSD		8260C	T		16 uL	16 uL	16 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00449					
BFB 240-501270/1		8260C							
CCV 240-501270/3		8260C							
CCVIS 240-501270/4		8260C		16 uL					
LCS 240-501270/5		8260C							
MB 240-501270/8		8260C							
240-154716-C-23	MSA-SW43C-081721	8260C	T						
240-154716-A-25	MSA-SW44A-081721	8260C	T						
240-154716-C-26	MSA-SW44B-081721	8260C	T						
240-154716-B-27	MSA-SW44C-081721	8260C	T						
240-154716-B-28	MSA-SW44D-081721	8260C	T						
240-154716-B-29	TB-081721	8260C	T						
240-154716-B-30	MSA-SW46A-081721	8260C	T						
240-154716-B-31	MSA-SW47A-081721	8260C	T						
240-154716-B-32	MSA-SW48A-081721	8260C	T						
240-154716-B-33	MSA-SW49A-081721	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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 501270 Batch Start Date: 08/26/21 18:15 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00449					
200-59769-B-1 MS		8260C	T						
200-59769-B-1 MSD		8260C	T						

Batch Notes	
pH Indicator ID	HC042657

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.

ANALYTICAL REPORT

Job Number: 240-154716-1

SDG Number: Frog Mortar Creek

Job Description: MSA Surface Water

For:
Tetra Tech, Inc.
20251 Century Blvd
Suite 200
Germantown, MD 20874

Attention: Samantha Brenner

Approved for release.
Opal Johnson
Project Manager II
8/31/2021 6:42 AM

Designee for
Roxanne Cisneros, Senior Project Manager
4101 Shuffel Street NW, North Canton, OH, 44720
(615)301-5761
roxanne.cisneros@Eurofinset.com
08/31/2021

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
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: 240-154716-1

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 8/18/2021 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.3º C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples MSA-SW37A-081721 (240-154716-1), MSA-SW37B-081721 (240-154716-2), MSA-SW37C-081721 (240-154716-3), MSA-SW37D-081721 (240-154716-4), MSA-SW38A-081721 (240-154716-5), MSA-SW38B-081721 (240-154716-6), MSA-SW38C-081721 (240-154716-7), MSA-SW38D-081721 (240-154716-8), MSA-SW40A-081721 (240-154716-9), MSA-SW40B-081721 (240-154716-10), MSA-SW40C-081721 (240-154716-11), MSA-SW40D-081721 (240-154716-12), MSA-SW41A-081721 (240-154716-13), MSA-SW41B-081721 (240-154716-14), MSA-SW41C-081721 (240-154716-15), MSA-SW41D-081721 (240-154716-16), MSA-SW42A-081721 (240-154716-17), MSA-SW42B-081721 (240-154716-18), MSA-SW42C-081721 (240-154716-19), MSA-SW42D-081721 (240-154716-20), MSA-SW43A-081721 (240-154716-21), MSA-SW43B-081721 (240-154716-22), MSA-SW43C-081721 (240-154716-23), MSA-SW43D-081721 (240-154716-24), MSA-SW44A-081721 (240-154716-25), MSA-SW44B-081721 (240-154716-26), MSA-SW44C-081721 (240-154716-27), MSA-SW44D-081721 (240-154716-28), TB-081721 (240-154716-29), MSA-SW46A-081721 (240-154716-30), MSA-SW47A-081721 (240-154716-31), MSA-SW48A-081721 (240-154716-32) and MSA-SW49A-081721 (240-154716-33) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 08/21/2021, 08/23/2021, 08/24/2021, 08/26/2021 and 08/27/2021.

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-081721 (240-154716-1), MSA-SW37B-081721 (240-154716-2), MSA-SW37C-081721 (240-154716-3), MSA-SW37D-081721 (240-154716-4), MSA-SW38A-081721 (240-154716-5), MSA-SW38B-081721 (240-154716-6), MSA-SW38C-081721 (240-154716-7), MSA-SW38D-081721 (240-154716-8), MSA-SW40A-081721 (240-154716-9), MSA-SW40B-081721 (240-154716-10), MSA-SW40C-081721 (240-154716-11), MSA-SW40D-081721 (240-154716-12), MSA-SW41A-081721 (240-154716-13), MSA-SW41B-081721 (240-154716-14), MSA-SW41C-081721 (240-154716-15), MSA-SW41D-081721 (240-154716-16), MSA-SW42A-081721 (240-154716-17), MSA-SW42B-081721 (240-154716-18), MSA-SW42C-081721 (240-154716-19), MSA-SW42D-081721 (240-154716-20), MSA-SW43A-081721 (240-154716-21), MSA-SW43B-081721 (240-154716-22) and MSA-SW43D-081721 (240-154716-24). 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) associated with batch 240-500502 recovered above the upper control limit for some analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MSA-SW37A-081721 (240-154716-1), MSA-SW37B-081721 (240-154716-2), MSA-SW37C-081721 (240-154716-3), MSA-SW37D-081721 (240-154716-4) and (CCVIS 240-500502/4).

The continuing calibration verification (CCV) analyzed in batch 240-500679 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 continuing calibration verification (CCV) analyzed in batch 240-501270 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 laboratory control sample (LCS) for analytical batch 240-500502 recovered outside control limits for 2-butanone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 240-500679 recovered outside control limits for acetone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 240-501270 recovered outside control limits for 2-methyl-2-propanol, and acetone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

Detection Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-154716-1
SDG: Frog Mortar Creek

Client Sample ID: MSA-SW37A-081721 — Lab Sample ID: 240-154716-1

No Detections.

Client Sample ID: MSA-SW37B-081721 — Lab Sample ID: 240-154716-2

No Detections.

Client Sample ID: MSA-SW37C-081721 — Lab Sample ID: 240-154716-3

No Detections.

Client Sample ID: MSA-SW37D-081721 — Lab Sample ID: 240-154716-4

No Detections.

Client Sample ID: MSA-SW38A-081721 — Lab Sample ID: 240-154716-5

No Detections.

Client Sample ID: MSA-SW38B-081721 — Lab Sample ID: 240-154716-6

No Detections.

Client Sample ID: MSA-SW38C-081721 — Lab Sample ID: 240-154716-7

No Detections.

Client Sample ID: MSA-SW38D-081721 — Lab Sample ID: 240-154716-8

No Detections.

Client Sample ID: MSA-SW40A-081721 — Lab Sample ID: 240-154716-9

No Detections.

Client Sample ID: MSA-SW40B-081721 — Lab Sample ID: 240-154716-10

No Detections.

Client Sample ID: MSA-SW40C-081721 — Lab Sample ID: 240-154716-11

No Detections.

Client Sample ID: MSA-SW40D-081721 — Lab Sample ID: 240-154716-12

No Detections.

Client Sample ID: MSA-SW41A-081721 — Lab Sample ID: 240-154716-13

No Detections.

Client Sample ID: MSA-SW41B-081721 — Lab Sample ID: 240-154716-14

No Detections.

Client Sample ID: MSA-SW41C-081721 — Lab Sample ID: 240-154716-15

No Detections.

Client Sample ID: MSA-SW41D-081721 — Lab Sample ID: 240-154716-16

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-154716-1
SDG: Frog Mortar Creek

Client Sample ID: MSA-SW42A-081721 — Lab Sample ID: 240-154716-17

No Detections.

Client Sample ID: MSA-SW42B-081721 — Lab Sample ID: 240-154716-18

No Detections.

Client Sample ID: MSA-SW42C-081721 — Lab Sample ID: 240-154716-19

No Detections.

Client Sample ID: MSA-SW42D-081721 — Lab Sample ID: 240-154716-20

No Detections.

Client Sample ID: MSA-SW43A-081721 — Lab Sample ID: 240-154716-21

No Detections.

Client Sample ID: MSA-SW43B-081721 — Lab Sample ID: 240-154716-22

No Detections.

Client Sample ID: MSA-SW43C-081721 — Lab Sample ID: 240-154716-23

No Detections.

Client Sample ID: MSA-SW43D-081721 — Lab Sample ID: 240-154716-24

No Detections.

Client Sample ID: MSA-SW44A-081721 — Lab Sample ID: 240-154716-25

No Detections.

Client Sample ID: MSA-SW44B-081721 — Lab Sample ID: 240-154716-26

No Detections.

Client Sample ID: MSA-SW44C-081721 — Lab Sample ID: 240-154716-27

No Detections.

Client Sample ID: MSA-SW44D-081721 — Lab Sample ID: 240-154716-28

No Detections.

Client Sample ID: TB-081721 — Lab Sample ID: 240-154716-29

No Detections.

Client Sample ID: MSA-SW46A-081721 — Lab Sample ID: 240-154716-30

No Detections.

Client Sample ID: MSA-SW47A-081721 — Lab Sample ID: 240-154716-31

No Detections.

Client Sample ID: MSA-SW48A-081721 — Lab Sample ID: 240-154716-32

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-154716-1
SDG: Frog Mortar Creek

Client Sample ID: MSA-SW49A-081721

Lab Sample ID: 240-154716-33

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MSA-SW37A-081721

Date Collected: 08/17/21 11:18
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	5.4	ug/L			08/21/21 20:34	1
Benzene	1.0	U	1.0	0.42	ug/L			08/21/21 20:34	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/21/21 20:34	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/21/21 20:34	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/21/21 20:34	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/21/21 20:34	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/21/21 20:34	1
2-Butanone	10	U *+	10	1.2	ug/L			08/21/21 20:34	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/21/21 20:34	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/21/21 20:34	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/21/21 20:34	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/21/21 20:34	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/21/21 20:34	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/21/21 20:34	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/21/21 20:34	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/21/21 20:34	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/21/21 20:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/21/21 20:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/21/21 20:34	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/21/21 20:34	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/21/21 20:34	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/21/21 20:34	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/21/21 20:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/21/21 20:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/21/21 20:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/21/21 20:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/21/21 20:34	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/21/21 20:34	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/21/21 20:34	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/21/21 20:34	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/21/21 20:34	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/21/21 20:34	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/21/21 20:34	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/21/21 20:34	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/21/21 20:34	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/21/21 20:34	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/21/21 20:34	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/21/21 20:34	1
2-Hexanone	10	U	10	1.1	ug/L			08/21/21 20:34	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/21/21 20:34	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/21/21 20:34	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/21/21 20:34	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/21/21 20:34	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/21/21 20:34	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/21/21 20:34	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/21/21 20:34	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/21/21 20:34	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/21/21 20:34	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/21/21 20:34	1

Client Sample ID: MSA-SW37A-081721

Lab Sample ID: 240-154716-1

Date Collected: 08/17/21 11:18
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/21/21 20:34	1
Styrene	1.0	U	1.0	0.45	ug/L			08/21/21 20:34	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/21/21 20:34	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/21/21 20:34	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/21/21 20:34	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/21/21 20:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/21/21 20:34	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/21/21 20:34	1
Toluene	1.0	U	1.0	0.44	ug/L			08/21/21 20:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/21/21 20:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/21/21 20:34	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/21/21 20:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/21/21 20:34	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/21/21 20:34	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/21/21 20:34	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/21/21 20:34	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/21/21 20:34	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/21/21 20:34	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/21/21 20:34	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/21/21 20:34	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/21/21 20:34	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/21/21 20:34	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/21/21 20:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/21/21 20:34*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/21/21 20:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*56 - 136*		*08/21/21 20:34*	*1*
Dibromofluoromethane (Surr)	*98*		*73 - 120*		*08/21/21 20:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*62 - 137*		*08/21/21 20:34*	*1*
Toluene-d8 (Surr)	*94*		*78 - 122*		*08/21/21 20:34*	*1*

Client Sample ID: MSA-SW37B-081721

Lab Sample ID: 240-154716-2

Date Collected: 08/17/21 11:20
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	5.4	ug/L			08/21/21 20:56	1
Benzene	1.0	U	1.0	0.42	ug/L			08/21/21 20:56	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/21/21 20:56	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/21/21 20:56	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/21/21 20:56	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/21/21 20:56	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/21/21 20:56	1
2-Butanone	10	U *+	10	1.2	ug/L			08/21/21 20:56	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/21/21 20:56	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/21/21 20:56	1

Client Sample ID: MSA-SW37B-081721

Date Collected: 08/17/21 11:20
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/21/21 20:56	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/21/21 20:56	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/21/21 20:56	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/21/21 20:56	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/21/21 20:56	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/21/21 20:56	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/21/21 20:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/21/21 20:56	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/21/21 20:56	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/21/21 20:56	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/21/21 20:56	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/21/21 20:56	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/21/21 20:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/21/21 20:56	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/21/21 20:56	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/21/21 20:56	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/21/21 20:56	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/21/21 20:56	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/21/21 20:56	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/21/21 20:56	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/21/21 20:56	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/21/21 20:56	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/21/21 20:56	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/21/21 20:56	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/21/21 20:56	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/21/21 20:56	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/21/21 20:56	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/21/21 20:56	1
2-Hexanone	10	U	10	1.1	ug/L			08/21/21 20:56	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/21/21 20:56	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/21/21 20:56	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/21/21 20:56	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/21/21 20:56	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/21/21 20:56	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/21/21 20:56	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/21/21 20:56	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/21/21 20:56	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/21/21 20:56	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/21/21 20:56	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/21/21 20:56	1
Styrene	1.0	U	1.0	0.45	ug/L			08/21/21 20:56	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/21/21 20:56	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/21/21 20:56	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/21/21 20:56	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/21/21 20:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/21/21 20:56	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/21/21 20:56	1
Toluene	1.0	U	1.0	0.44	ug/L			08/21/21 20:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/21/21 20:56	1

Client Sample ID: MSA-SW37B-081721

Lab Sample ID: 240-154716-2

Date Collected: 08/17/21 11:20
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/21/21 20:56	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/21/21 20:56	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/21/21 20:56	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/21/21 20:56	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/21/21 20:56	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/21/21 20:56	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/21/21 20:56	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/21/21 20:56	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/21/21 20:56	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/21/21 20:56	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/21/21 20:56	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/21/21 20:56	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/21/21 20:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/21/21 20:56*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/21/21 20:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*08/21/21 20:56*	*1*
Dibromofluoromethane (Surr)	*97*		*73 - 120*		*08/21/21 20:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*62 - 137*		*08/21/21 20:56*	*1*
Toluene-d8 (Surr)	*91*		*78 - 122*		*08/21/21 20:56*	*1*

Client Sample ID: MSA-SW37C-081721

Lab Sample ID: 240-154716-3

Date Collected: 08/17/21 11:22
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	5.4	ug/L			08/21/21 21:19	1
Benzene	1.0	U	1.0	0.42	ug/L			08/21/21 21:19	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/21/21 21:19	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/21/21 21:19	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/21/21 21:19	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/21/21 21:19	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/21/21 21:19	1
2-Butanone	10	U *+	10	1.2	ug/L			08/21/21 21:19	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/21/21 21:19	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/21/21 21:19	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/21/21 21:19	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/21/21 21:19	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/21/21 21:19	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/21/21 21:19	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/21/21 21:19	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/21/21 21:19	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/21/21 21:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/21/21 21:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/21/21 21:19	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/21/21 21:19	1

Client Sample ID: MSA-SW37C-081721

Date Collected: 08/17/21 11:22
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-3

Matrix: Water

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	2.0	U	2.0	0.91	ug/L			08/21/21 21:19	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/21/21 21:19	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/21/21 21:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/21/21 21:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/21/21 21:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/21/21 21:19	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/21/21 21:19	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/21/21 21:19	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/21/21 21:19	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/21/21 21:19	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/21/21 21:19	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/21/21 21:19	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/21/21 21:19	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/21/21 21:19	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/21/21 21:19	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/21/21 21:19	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/21/21 21:19	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/21/21 21:19	1
2-Hexanone	10	U	10	1.1	ug/L			08/21/21 21:19	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/21/21 21:19	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/21/21 21:19	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/21/21 21:19	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/21/21 21:19	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/21/21 21:19	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/21/21 21:19	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/21/21 21:19	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/21/21 21:19	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/21/21 21:19	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/21/21 21:19	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/21/21 21:19	1
Styrene	1.0	U	1.0	0.45	ug/L			08/21/21 21:19	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/21/21 21:19	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/21/21 21:19	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/21/21 21:19	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/21/21 21:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/21/21 21:19	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/21/21 21:19	1
Toluene	1.0	U	1.0	0.44	ug/L			08/21/21 21:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/21/21 21:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/21/21 21:19	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/21/21 21:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/21/21 21:19	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/21/21 21:19	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/21/21 21:19	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/21/21 21:19	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/21/21 21:19	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/21/21 21:19	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/21/21 21:19	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/21/21 21:19	1

Client Sample ID: MSA-SW37C-081721

Lab Sample ID: 240-154716-3

Date Collected: 08/17/21 11:22
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/21/21 21:19	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/21/21 21:19	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/21/21 21:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/21/21 21:19*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/21/21 21:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*56 - 136*		*08/21/21 21:19*	*1*
Dibromofluoromethane (Surr)	*100*		*73 - 120*		*08/21/21 21:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*62 - 137*		*08/21/21 21:19*	*1*
Toluene-d8 (Surr)	*95*		*78 - 122*		*08/21/21 21:19*	*1*

Client Sample ID: MSA-SW37D-081721

Lab Sample ID: 240-154716-4

Date Collected: 08/17/21 11:25
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	5.4	ug/L			08/21/21 21:41	1
Benzene	1.0	U	1.0	0.42	ug/L			08/21/21 21:41	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/21/21 21:41	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/21/21 21:41	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/21/21 21:41	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/21/21 21:41	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/21/21 21:41	1
2-Butanone	10	U *+	10	1.2	ug/L			08/21/21 21:41	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/21/21 21:41	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/21/21 21:41	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/21/21 21:41	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/21/21 21:41	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/21/21 21:41	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/21/21 21:41	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/21/21 21:41	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/21/21 21:41	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/21/21 21:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/21/21 21:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/21/21 21:41	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/21/21 21:41	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/21/21 21:41	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/21/21 21:41	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/21/21 21:41	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/21/21 21:41	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/21/21 21:41	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/21/21 21:41	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/21/21 21:41	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/21/21 21:41	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/21/21 21:41	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/21/21 21:41	1

Client Sample ID: MSA-SW37D-081721

Date Collected: 08/17/21 11:25
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/21/21 21:41	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/21/21 21:41	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/21/21 21:41	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/21/21 21:41	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/21/21 21:41	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/21/21 21:41	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/21/21 21:41	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/21/21 21:41	1
2-Hexanone	10	U	10	1.1	ug/L			08/21/21 21:41	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/21/21 21:41	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/21/21 21:41	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/21/21 21:41	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/21/21 21:41	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/21/21 21:41	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/21/21 21:41	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/21/21 21:41	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/21/21 21:41	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/21/21 21:41	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/21/21 21:41	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/21/21 21:41	1
Styrene	1.0	U	1.0	0.45	ug/L			08/21/21 21:41	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/21/21 21:41	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/21/21 21:41	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/21/21 21:41	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/21/21 21:41	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/21/21 21:41	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/21/21 21:41	1
Toluene	1.0	U	1.0	0.44	ug/L			08/21/21 21:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/21/21 21:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/21/21 21:41	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/21/21 21:41	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/21/21 21:41	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/21/21 21:41	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/21/21 21:41	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/21/21 21:41	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/21/21 21:41	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/21/21 21:41	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/21/21 21:41	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/21/21 21:41	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/21/21 21:41	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/21/21 21:41	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/21/21 21:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/21/21 21:41*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/21/21 21:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*56 - 136*		*08/21/21 21:41*	*1*
Dibromofluoromethane (Surr)	*93*		*73 - 120*		*08/21/21 21:41*	*1*

Client Sample ID: MSA-SW37D-081721

Lab Sample ID: 240-154716-4

Date Collected: 08/17/21 11:25
Matrix: Water
Date Received: 08/18/21 09:40

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*62 - 137*		*08/21/21 21:41*	*1*
Toluene-d8 (Surr)	*91*		*78 - 122*		*08/21/21 21:41*	*1*

Client Sample ID: MSA-SW38A-081721

Lab Sample ID: 240-154716-5

Date Collected: 08/17/21 10:13
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/23/21 19:18	1
Benzene	1.0	U	1.0	0.42	ug/L			08/23/21 19:18	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/23/21 19:18	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/23/21 19:18	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/23/21 19:18	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/23/21 19:18	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/23/21 19:18	1
2-Butanone	10	U	10	1.2	ug/L			08/23/21 19:18	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/23/21 19:18	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/23/21 19:18	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/23/21 19:18	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/23/21 19:18	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/23/21 19:18	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/23/21 19:18	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/23/21 19:18	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/23/21 19:18	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/23/21 19:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/21 19:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/23/21 19:18	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/23/21 19:18	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/23/21 19:18	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/23/21 19:18	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/23/21 19:18	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/23/21 19:18	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/23/21 19:18	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/21 19:18	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/23/21 19:18	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/23/21 19:18	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/21 19:18	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/21 19:18	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/23/21 19:18	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/23/21 19:18	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/23/21 19:18	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/21 19:18	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/23/21 19:18	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/23/21 19:18	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/23/21 19:18	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/23/21 19:18	1
2-Hexanone	10	U	10	1.1	ug/L			08/23/21 19:18	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/23/21 19:18	1

Client Sample ID: MSA-SW38A-081721

Lab Sample ID: 240-154716-5

Date Collected: 08/17/21 10:13
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/23/21 19:18	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/23/21 19:18	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/23/21 19:18	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/23/21 19:18	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/23/21 19:18	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/23/21 19:18	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/23/21 19:18	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/23/21 19:18	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/23/21 19:18	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/23/21 19:18	1
Styrene	1.0	U	1.0	0.45	ug/L			08/23/21 19:18	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/23/21 19:18	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/23/21 19:18	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/23/21 19:18	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/23/21 19:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/23/21 19:18	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 19:18	1
Toluene	1.0	U	1.0	0.44	ug/L			08/23/21 19:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/21 19:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/23/21 19:18	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/23/21 19:18	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/23/21 19:18	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/23/21 19:18	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 19:18	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/23/21 19:18	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/23/21 19:18	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/23/21 19:18	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/23/21 19:18	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/23/21 19:18	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/23/21 19:18	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/21 19:18	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/23/21 19:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/23/21 19:18*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/23/21 19:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*56 - 136*		*08/23/21 19:18*	*1*
Dibromofluoromethane (Surr)	*96*		*73 - 120*		*08/23/21 19:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*62 - 137*		*08/23/21 19:18*	*1*
Toluene-d8 (Surr)	*89*		*78 - 122*		*08/23/21 19:18*	*1*

Client Sample ID: MSA-SW38B-081721

Lab Sample ID: 240-154716-6

Date Collected: 08/17/21 10:15
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/23/21 19:40	1

Client Sample ID: MSA-SW38B-081721

Date Collected: 08/17/21 10:15
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.42	ug/L			08/23/21 19:40	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/23/21 19:40	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/23/21 19:40	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/23/21 19:40	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/23/21 19:40	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/23/21 19:40	1
2-Butanone	10	U	10	1.2	ug/L			08/23/21 19:40	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/23/21 19:40	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/23/21 19:40	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/23/21 19:40	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/23/21 19:40	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/23/21 19:40	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/23/21 19:40	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/23/21 19:40	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/23/21 19:40	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/23/21 19:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/21 19:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/23/21 19:40	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/23/21 19:40	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/23/21 19:40	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/23/21 19:40	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/23/21 19:40	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/23/21 19:40	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/23/21 19:40	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/21 19:40	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/23/21 19:40	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/23/21 19:40	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/21 19:40	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/21 19:40	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/23/21 19:40	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/23/21 19:40	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/23/21 19:40	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/21 19:40	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/23/21 19:40	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/23/21 19:40	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/23/21 19:40	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/23/21 19:40	1
2-Hexanone	10	U	10	1.1	ug/L			08/23/21 19:40	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/23/21 19:40	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/23/21 19:40	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/23/21 19:40	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/23/21 19:40	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/23/21 19:40	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/23/21 19:40	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/23/21 19:40	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/23/21 19:40	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/23/21 19:40	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/23/21 19:40	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/23/21 19:40	1

Client Sample ID: MSA-SW38B-081721

Lab Sample ID: 240-154716-6

Date Collected: 08/17/21 10:15
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.45	ug/L			08/23/21 19:40	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/23/21 19:40	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/23/21 19:40	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/23/21 19:40	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/23/21 19:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/23/21 19:40	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 19:40	1
Toluene	1.0	U	1.0	0.44	ug/L			08/23/21 19:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/21 19:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/23/21 19:40	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/23/21 19:40	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/23/21 19:40	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/23/21 19:40	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 19:40	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/23/21 19:40	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/23/21 19:40	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/23/21 19:40	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/23/21 19:40	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/23/21 19:40	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/23/21 19:40	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/21 19:40	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/23/21 19:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/23/21 19:40*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/23/21 19:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*56 - 136*		*08/23/21 19:40*	*1*
Dibromofluoromethane (Surr)	*99*		*73 - 120*		*08/23/21 19:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*62 - 137*		*08/23/21 19:40*	*1*
Toluene-d8 (Surr)	*92*		*78 - 122*		*08/23/21 19:40*	*1*

Client Sample ID: MSA-SW38C-081721

Lab Sample ID: 240-154716-7

Date Collected: 08/17/21 10:17
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/23/21 20:03	1
Benzene	1.0	U	1.0	0.42	ug/L			08/23/21 20:03	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/23/21 20:03	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/23/21 20:03	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/23/21 20:03	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/23/21 20:03	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/23/21 20:03	1
2-Butanone	10	U	10	1.2	ug/L			08/23/21 20:03	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/23/21 20:03	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/23/21 20:03	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/23/21 20:03	1

Client Sample ID: MSA-SW38C-081721

Date Collected: 08/17/21 10:17
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	1.0	U	1.0	0.83	ug/L			08/23/21 20:03	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/23/21 20:03	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/23/21 20:03	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/23/21 20:03	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/23/21 20:03	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/23/21 20:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/21 20:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/23/21 20:03	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/23/21 20:03	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/23/21 20:03	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/23/21 20:03	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/23/21 20:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/23/21 20:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/23/21 20:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/21 20:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/23/21 20:03	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/23/21 20:03	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/21 20:03	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/21 20:03	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/23/21 20:03	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/23/21 20:03	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/23/21 20:03	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/21 20:03	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/23/21 20:03	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/23/21 20:03	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/23/21 20:03	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/23/21 20:03	1
2-Hexanone	10	U	10	1.1	ug/L			08/23/21 20:03	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/23/21 20:03	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/23/21 20:03	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/23/21 20:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/23/21 20:03	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/23/21 20:03	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/23/21 20:03	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/23/21 20:03	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/23/21 20:03	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/23/21 20:03	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/23/21 20:03	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/23/21 20:03	1
Styrene	1.0	U	1.0	0.45	ug/L			08/23/21 20:03	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/23/21 20:03	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/23/21 20:03	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/23/21 20:03	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/23/21 20:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/23/21 20:03	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 20:03	1
Toluene	1.0	U	1.0	0.44	ug/L			08/23/21 20:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/21 20:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/23/21 20:03	1

Client Sample ID: MSA-SW38C-081721

Lab Sample ID: 240-154716-7

Date Collected: 08/17/21 10:17
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/23/21 20:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/23/21 20:03	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/23/21 20:03	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 20:03	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/23/21 20:03	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/23/21 20:03	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/23/21 20:03	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/23/21 20:03	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/23/21 20:03	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/23/21 20:03	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/21 20:03	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/23/21 20:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/23/21 20:03*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/23/21 20:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*56 - 136*		*08/23/21 20:03*	*1*
Dibromofluoromethane (Surr)	*97*		*73 - 120*		*08/23/21 20:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*62 - 137*		*08/23/21 20:03*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*08/23/21 20:03*	*1*

Client Sample ID: MSA-SW38D-081721

Lab Sample ID: 240-154716-8

Date Collected: 08/17/21 10:20
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/23/21 20:25	1
Benzene	1.0	U	1.0	0.42	ug/L			08/23/21 20:25	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/23/21 20:25	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/23/21 20:25	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/23/21 20:25	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/23/21 20:25	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/23/21 20:25	1
2-Butanone	10	U	10	1.2	ug/L			08/23/21 20:25	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/23/21 20:25	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/23/21 20:25	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/23/21 20:25	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/23/21 20:25	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/23/21 20:25	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/23/21 20:25	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/23/21 20:25	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/23/21 20:25	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/23/21 20:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/21 20:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/23/21 20:25	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/23/21 20:25	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/23/21 20:25	1

Client Sample ID: MSA-SW38D-081721

Date Collected: 08/17/21 10:20
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/23/21 20:25	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/23/21 20:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/23/21 20:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/23/21 20:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/21 20:25	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/23/21 20:25	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/23/21 20:25	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/21 20:25	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/21 20:25	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/23/21 20:25	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/23/21 20:25	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/23/21 20:25	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/21 20:25	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/23/21 20:25	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/23/21 20:25	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/23/21 20:25	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/23/21 20:25	1
2-Hexanone	10	U	10	1.1	ug/L			08/23/21 20:25	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/23/21 20:25	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/23/21 20:25	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/23/21 20:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/23/21 20:25	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/23/21 20:25	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/23/21 20:25	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/23/21 20:25	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/23/21 20:25	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/23/21 20:25	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/23/21 20:25	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/23/21 20:25	1
Styrene	1.0	U	1.0	0.45	ug/L			08/23/21 20:25	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/23/21 20:25	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/23/21 20:25	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/23/21 20:25	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/23/21 20:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/23/21 20:25	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 20:25	1
Toluene	1.0	U	1.0	0.44	ug/L			08/23/21 20:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/21 20:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/23/21 20:25	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/23/21 20:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/23/21 20:25	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/23/21 20:25	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 20:25	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/23/21 20:25	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/23/21 20:25	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/23/21 20:25	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/23/21 20:25	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/23/21 20:25	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/23/21 20:25	1

Client Sample ID: MSA-SW38D-081721

Lab Sample ID: 240-154716-8

Date Collected: 08/17/21 10:20
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/21 20:25	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/23/21 20:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/23/21 20:25*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/23/21 20:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*08/23/21 20:25*	*1*
Dibromofluoromethane (Surr)	*100*		*73 - 120*		*08/23/21 20:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*62 - 137*		*08/23/21 20:25*	*1*
Toluene-d8 (Surr)	*94*		*78 - 122*		*08/23/21 20:25*	*1*

Client Sample ID: MSA-SW40A-081721

Lab Sample ID: 240-154716-9

Date Collected: 08/17/21 10:55
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/23/21 20:47	1
Benzene	1.0	U	1.0	0.42	ug/L			08/23/21 20:47	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/23/21 20:47	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/23/21 20:47	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/23/21 20:47	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/23/21 20:47	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/23/21 20:47	1
2-Butanone	10	U	10	1.2	ug/L			08/23/21 20:47	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/23/21 20:47	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/23/21 20:47	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/23/21 20:47	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/23/21 20:47	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/23/21 20:47	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/23/21 20:47	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/23/21 20:47	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/23/21 20:47	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/23/21 20:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/21 20:47	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/23/21 20:47	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/23/21 20:47	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/23/21 20:47	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/23/21 20:47	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/23/21 20:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/23/21 20:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/23/21 20:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/21 20:47	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/23/21 20:47	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/23/21 20:47	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/21 20:47	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/21 20:47	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/23/21 20:47	1

Client Sample ID: MSA-SW40A-081721

Date Collected: 08/17/21 10:55
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/23/21 20:47	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/23/21 20:47	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/21 20:47	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/23/21 20:47	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/23/21 20:47	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/23/21 20:47	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/23/21 20:47	1
2-Hexanone	10	U	10	1.1	ug/L			08/23/21 20:47	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/23/21 20:47	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/23/21 20:47	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/23/21 20:47	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/23/21 20:47	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/23/21 20:47	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/23/21 20:47	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/23/21 20:47	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/23/21 20:47	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/23/21 20:47	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/23/21 20:47	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/23/21 20:47	1
Styrene	1.0	U	1.0	0.45	ug/L			08/23/21 20:47	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/23/21 20:47	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/23/21 20:47	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/23/21 20:47	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/23/21 20:47	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/23/21 20:47	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 20:47	1
Toluene	1.0	U	1.0	0.44	ug/L			08/23/21 20:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/21 20:47	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/23/21 20:47	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/23/21 20:47	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/23/21 20:47	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/23/21 20:47	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 20:47	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/23/21 20:47	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/23/21 20:47	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/23/21 20:47	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/23/21 20:47	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/23/21 20:47	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/23/21 20:47	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/21 20:47	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/23/21 20:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/23/21 20:47*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/23/21 20:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*56 - 136*		*08/23/21 20:47*	*1*
Dibromofluoromethane (Surr)	*102*		*73 - 120*		*08/23/21 20:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*62 - 137*		*08/23/21 20:47*	*1*

Client Sample ID: MSA-SW40A-081721

Lab Sample ID: 240-154716-9

Date Collected: 08/17/21 10:55
Matrix: Water
Date Received: 08/18/21 09:40

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*78 - 122*		*08/23/21 20:47*	*1*

Client Sample ID: MSA-SW40B-081721

Lab Sample ID: 240-154716-10

Date Collected: 08/17/21 10:57
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/23/21 21:09	1
Benzene	1.0	U	1.0	0.42	ug/L			08/23/21 21:09	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/23/21 21:09	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/23/21 21:09	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/23/21 21:09	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/23/21 21:09	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/23/21 21:09	1
2-Butanone	10	U	10	1.2	ug/L			08/23/21 21:09	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/23/21 21:09	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/23/21 21:09	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/23/21 21:09	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/23/21 21:09	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/23/21 21:09	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/23/21 21:09	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/23/21 21:09	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/23/21 21:09	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/23/21 21:09	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/21 21:09	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/23/21 21:09	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/23/21 21:09	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/23/21 21:09	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/23/21 21:09	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/23/21 21:09	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/23/21 21:09	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/23/21 21:09	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/21 21:09	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/23/21 21:09	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/23/21 21:09	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/21 21:09	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/21 21:09	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/23/21 21:09	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/23/21 21:09	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/23/21 21:09	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/21 21:09	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/23/21 21:09	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/23/21 21:09	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/23/21 21:09	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/23/21 21:09	1
2-Hexanone	10	U	10	1.1	ug/L			08/23/21 21:09	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/23/21 21:09	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/23/21 21:09	1

Client Sample ID: MSA-SW40B-081721

Lab Sample ID: 240-154716-10

Date Collected: 08/17/21 10:57
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/23/21 21:09	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/23/21 21:09	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/23/21 21:09	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/23/21 21:09	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/23/21 21:09	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/23/21 21:09	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/23/21 21:09	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/23/21 21:09	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/23/21 21:09	1
Styrene	1.0	U	1.0	0.45	ug/L			08/23/21 21:09	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/23/21 21:09	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/23/21 21:09	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/23/21 21:09	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/23/21 21:09	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/23/21 21:09	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 21:09	1
Toluene	1.0	U	1.0	0.44	ug/L			08/23/21 21:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/21 21:09	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/23/21 21:09	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/23/21 21:09	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/23/21 21:09	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/23/21 21:09	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 21:09	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/23/21 21:09	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/23/21 21:09	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/23/21 21:09	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/23/21 21:09	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/23/21 21:09	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/23/21 21:09	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/21 21:09	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/23/21 21:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/23/21 21:09*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/23/21 21:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*08/23/21 21:09*	*1*
Dibromofluoromethane (Surr)	*105*		*73 - 120*		*08/23/21 21:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*62 - 137*		*08/23/21 21:09*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*08/23/21 21:09*	*1*

Client Sample ID: MSA-SW40C-081721

Lab Sample ID: 240-154716-11

Date Collected: 08/17/21 11:00
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/23/21 21:31	1
Benzene	1.0	U	1.0	0.42	ug/L			08/23/21 21:31	1

Client Sample ID: MSA-SW40C-081721

Date Collected: 08/17/21 11:00
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/23/21 21:31	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/23/21 21:31	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/23/21 21:31	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/23/21 21:31	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/23/21 21:31	1
2-Butanone	10	U	10	1.2	ug/L			08/23/21 21:31	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/23/21 21:31	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/23/21 21:31	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/23/21 21:31	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/23/21 21:31	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/23/21 21:31	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/23/21 21:31	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/23/21 21:31	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/23/21 21:31	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/23/21 21:31	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/21 21:31	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/23/21 21:31	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/23/21 21:31	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/23/21 21:31	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/23/21 21:31	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/23/21 21:31	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/23/21 21:31	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/23/21 21:31	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/21 21:31	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/23/21 21:31	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/23/21 21:31	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/21 21:31	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/21 21:31	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/23/21 21:31	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/23/21 21:31	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/23/21 21:31	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/21 21:31	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/23/21 21:31	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/23/21 21:31	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/23/21 21:31	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/23/21 21:31	1
2-Hexanone	10	U	10	1.1	ug/L			08/23/21 21:31	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/23/21 21:31	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/23/21 21:31	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/23/21 21:31	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/23/21 21:31	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/23/21 21:31	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/23/21 21:31	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/23/21 21:31	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/23/21 21:31	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/23/21 21:31	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/23/21 21:31	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/23/21 21:31	1
Styrene	1.0	U	1.0	0.45	ug/L			08/23/21 21:31	1

Client Sample ID: MSA-SW40C-081721

Date Collected: 08/17/21 11:00
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/23/21 21:31	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/23/21 21:31	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/23/21 21:31	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/23/21 21:31	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/23/21 21:31	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 21:31	1
Toluene	1.0	U	1.0	0.44	ug/L			08/23/21 21:31	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/21 21:31	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/23/21 21:31	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/23/21 21:31	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/23/21 21:31	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/23/21 21:31	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 21:31	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/23/21 21:31	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/23/21 21:31	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/23/21 21:31	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/23/21 21:31	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/23/21 21:31	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/23/21 21:31	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/21 21:31	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/23/21 21:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/23/21 21:31*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/23/21 21:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*56 - 136*		*08/23/21 21:31*	*1*
Dibromofluoromethane (Surr)	*101*		*73 - 120*		*08/23/21 21:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*62 - 137*		*08/23/21 21:31*	*1*
Toluene-d8 (Surr)	*95*		*78 - 122*		*08/23/21 21:31*	*1*

Client Sample ID: MSA-SW40D-081721

Date Collected: 08/17/21 11:02
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/23/21 21:53	1
Benzene	1.0	U	1.0	0.42	ug/L			08/23/21 21:53	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/23/21 21:53	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/23/21 21:53	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/23/21 21:53	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/23/21 21:53	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/23/21 21:53	1
2-Butanone	10	U	10	1.2	ug/L			08/23/21 21:53	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/23/21 21:53	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/23/21 21:53	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/23/21 21:53	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/23/21 21:53	1

Client Sample ID: MSA-SW40D-081721

Date Collected: 08/17/21 11:02
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/23/21 21:53	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/23/21 21:53	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/23/21 21:53	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/23/21 21:53	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/23/21 21:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/21 21:53	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/23/21 21:53	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/23/21 21:53	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/23/21 21:53	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/23/21 21:53	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/23/21 21:53	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/23/21 21:53	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/23/21 21:53	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/21 21:53	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/23/21 21:53	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/23/21 21:53	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/21 21:53	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/21 21:53	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/23/21 21:53	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/23/21 21:53	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/23/21 21:53	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/21 21:53	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/23/21 21:53	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/23/21 21:53	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/23/21 21:53	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/23/21 21:53	1
2-Hexanone	10	U	10	1.1	ug/L			08/23/21 21:53	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/23/21 21:53	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/23/21 21:53	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/23/21 21:53	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/23/21 21:53	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/23/21 21:53	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/23/21 21:53	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/23/21 21:53	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/23/21 21:53	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/23/21 21:53	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/23/21 21:53	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/23/21 21:53	1
Styrene	1.0	U	1.0	0.45	ug/L			08/23/21 21:53	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/23/21 21:53	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/23/21 21:53	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/23/21 21:53	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/23/21 21:53	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/23/21 21:53	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 21:53	1
Toluene	1.0	U	1.0	0.44	ug/L			08/23/21 21:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/21 21:53	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/23/21 21:53	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/23/21 21:53	1

Client Sample ID: MSA-SW40D-081721

Lab Sample ID: 240-154716-12

Date Collected: 08/17/21 11:02
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/23/21 21:53	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/23/21 21:53	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 21:53	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/23/21 21:53	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/23/21 21:53	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/23/21 21:53	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/23/21 21:53	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/23/21 21:53	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/23/21 21:53	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/21 21:53	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/23/21 21:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/23/21 21:53*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/23/21 21:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*56 - 136*		*08/23/21 21:53*	*1*
Dibromofluoromethane (Surr)	*102*		*73 - 120*		*08/23/21 21:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*62 - 137*		*08/23/21 21:53*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*08/23/21 21:53*	*1*

Client Sample ID: MSA-SW41A-081721

Lab Sample ID: 240-154716-13

Date Collected: 08/17/21 09:57
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/23/21 22:15	1
Benzene	1.0	U	1.0	0.42	ug/L			08/23/21 22:15	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/23/21 22:15	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/23/21 22:15	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/23/21 22:15	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/23/21 22:15	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/23/21 22:15	1
2-Butanone	10	U	10	1.2	ug/L			08/23/21 22:15	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/23/21 22:15	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/23/21 22:15	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/23/21 22:15	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/23/21 22:15	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/23/21 22:15	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/23/21 22:15	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/23/21 22:15	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/23/21 22:15	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/23/21 22:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/21 22:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/23/21 22:15	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/23/21 22:15	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/23/21 22:15	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/23/21 22:15	1

Client Sample ID: MSA-SW41A-081721

Date Collected: 08/17/21 09:57
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/23/21 22:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/23/21 22:15	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/23/21 22:15	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/21 22:15	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/23/21 22:15	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/23/21 22:15	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/21 22:15	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/21 22:15	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/23/21 22:15	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/23/21 22:15	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/23/21 22:15	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/21 22:15	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/23/21 22:15	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/23/21 22:15	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/23/21 22:15	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/23/21 22:15	1
2-Hexanone	10	U	10	1.1	ug/L			08/23/21 22:15	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/23/21 22:15	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/23/21 22:15	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/23/21 22:15	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/23/21 22:15	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/23/21 22:15	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/23/21 22:15	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/23/21 22:15	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/23/21 22:15	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/23/21 22:15	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/23/21 22:15	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/23/21 22:15	1
Styrene	1.0	U	1.0	0.45	ug/L			08/23/21 22:15	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/23/21 22:15	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/23/21 22:15	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/23/21 22:15	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/23/21 22:15	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/23/21 22:15	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 22:15	1
Toluene	1.0	U	1.0	0.44	ug/L			08/23/21 22:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/21 22:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/23/21 22:15	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/23/21 22:15	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/23/21 22:15	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/23/21 22:15	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 22:15	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/23/21 22:15	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/23/21 22:15	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/23/21 22:15	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/23/21 22:15	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/23/21 22:15	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/23/21 22:15	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/21 22:15	1

Client Sample ID: MSA-SW41A-081721

Lab Sample ID: 240-154716-13

Date Collected: 08/17/21 09:57
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/23/21 22:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/23/21 22:15*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/23/21 22:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*08/23/21 22:15*	*1*
Dibromofluoromethane (Surr)	*106*		*73 - 120*		*08/23/21 22:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*62 - 137*		*08/23/21 22:15*	*1*
Toluene-d8 (Surr)	*94*		*78 - 122*		*08/23/21 22:15*	*1*

Client Sample ID: MSA-SW41B-081721

Lab Sample ID: 240-154716-14

Date Collected: 08/17/21 10:00
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/23/21 22:37	1
Benzene	1.0	U	1.0	0.42	ug/L			08/23/21 22:37	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/23/21 22:37	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/23/21 22:37	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/23/21 22:37	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/23/21 22:37	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/23/21 22:37	1
2-Butanone	10	U	10	1.2	ug/L			08/23/21 22:37	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/23/21 22:37	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/23/21 22:37	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/23/21 22:37	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/23/21 22:37	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/23/21 22:37	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/23/21 22:37	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/23/21 22:37	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/23/21 22:37	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/23/21 22:37	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/21 22:37	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/23/21 22:37	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/23/21 22:37	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/23/21 22:37	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/23/21 22:37	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/23/21 22:37	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/23/21 22:37	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/23/21 22:37	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/21 22:37	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/23/21 22:37	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/23/21 22:37	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/21 22:37	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/21 22:37	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/23/21 22:37	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/23/21 22:37	1

Client Sample ID: MSA-SW41B-081721

Date Collected: 08/17/21 10:00
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/23/21 22:37	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/21 22:37	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/23/21 22:37	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/23/21 22:37	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/23/21 22:37	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/23/21 22:37	1
2-Hexanone	10	U	10	1.1	ug/L			08/23/21 22:37	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/23/21 22:37	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/23/21 22:37	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/23/21 22:37	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/23/21 22:37	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/23/21 22:37	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/23/21 22:37	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/23/21 22:37	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/23/21 22:37	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/23/21 22:37	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/23/21 22:37	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/23/21 22:37	1
Styrene	1.0	U	1.0	0.45	ug/L			08/23/21 22:37	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/23/21 22:37	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/23/21 22:37	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/23/21 22:37	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/23/21 22:37	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/23/21 22:37	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 22:37	1
Toluene	1.0	U	1.0	0.44	ug/L			08/23/21 22:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/21 22:37	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/23/21 22:37	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/23/21 22:37	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/23/21 22:37	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/23/21 22:37	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 22:37	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/23/21 22:37	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/23/21 22:37	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/23/21 22:37	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/23/21 22:37	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/23/21 22:37	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/23/21 22:37	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/21 22:37	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/23/21 22:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/23/21 22:37*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/23/21 22:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*56 - 136*		*08/23/21 22:37*	*1*
Dibromofluoromethane (Surr)	*104*		*73 - 120*		*08/23/21 22:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*62 - 137*		*08/23/21 22:37*	*1*
Toluene-d8 (Surr)	*91*		*78 - 122*		*08/23/21 22:37*	*1*

Client Sample ID: MSA-SW41C-081721

Date Collected: 08/17/21 10:02
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/23/21 23:00	1
Benzene	1.0	U	1.0	0.42	ug/L			08/23/21 23:00	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/23/21 23:00	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/23/21 23:00	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/23/21 23:00	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/23/21 23:00	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/23/21 23:00	1
2-Butanone	10	U	10	1.2	ug/L			08/23/21 23:00	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/23/21 23:00	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/23/21 23:00	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/23/21 23:00	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/23/21 23:00	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/23/21 23:00	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/23/21 23:00	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/23/21 23:00	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/23/21 23:00	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/23/21 23:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/21 23:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/23/21 23:00	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/23/21 23:00	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/23/21 23:00	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/23/21 23:00	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/23/21 23:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/23/21 23:00	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/23/21 23:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/21 23:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/23/21 23:00	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/23/21 23:00	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/21 23:00	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/21 23:00	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/23/21 23:00	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/23/21 23:00	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/23/21 23:00	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/21 23:00	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/23/21 23:00	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/23/21 23:00	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/23/21 23:00	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/23/21 23:00	1
2-Hexanone	10	U	10	1.1	ug/L			08/23/21 23:00	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/23/21 23:00	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/23/21 23:00	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/23/21 23:00	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/23/21 23:00	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/23/21 23:00	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/23/21 23:00	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/23/21 23:00	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/23/21 23:00	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/23/21 23:00	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/23/21 23:00	1

Client Sample ID: MSA-SW41C-081721

Lab Sample ID: 240-154716-15

Date Collected: 08/17/21 10:02
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/23/21 23:00	1
Styrene	1.0	U	1.0	0.45	ug/L			08/23/21 23:00	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/23/21 23:00	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/23/21 23:00	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/23/21 23:00	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/23/21 23:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/23/21 23:00	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 23:00	1
Toluene	1.0	U	1.0	0.44	ug/L			08/23/21 23:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/21 23:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/23/21 23:00	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/23/21 23:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/23/21 23:00	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/23/21 23:00	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 23:00	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/23/21 23:00	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/23/21 23:00	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/23/21 23:00	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/23/21 23:00	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/23/21 23:00	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/23/21 23:00	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/21 23:00	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/23/21 23:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/23/21 23:00*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/23/21 23:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*08/23/21 23:00*	*1*
Dibromofluoromethane (Surr)	*99*		*73 - 120*		*08/23/21 23:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*62 - 137*		*08/23/21 23:00*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*08/23/21 23:00*	*1*

Client Sample ID: MSA-SW41D-081721

Lab Sample ID: 240-154716-16

Date Collected: 08/17/21 10:05
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/23/21 23:22	1
Benzene	1.0	U	1.0	0.42	ug/L			08/23/21 23:22	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/23/21 23:22	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/23/21 23:22	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/23/21 23:22	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/23/21 23:22	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/23/21 23:22	1
2-Butanone	10	U	10	1.2	ug/L			08/23/21 23:22	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/23/21 23:22	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/23/21 23:22	1

Client Sample ID: MSA-SW41D-081721

Date Collected: 08/17/21 10:05
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/23/21 23:22	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/23/21 23:22	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/23/21 23:22	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/23/21 23:22	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/23/21 23:22	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/23/21 23:22	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/23/21 23:22	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/21 23:22	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/23/21 23:22	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/23/21 23:22	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/23/21 23:22	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/23/21 23:22	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/23/21 23:22	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/23/21 23:22	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/23/21 23:22	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/21 23:22	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/23/21 23:22	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/23/21 23:22	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/21 23:22	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/21 23:22	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/23/21 23:22	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/23/21 23:22	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/23/21 23:22	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/21 23:22	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/23/21 23:22	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/23/21 23:22	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/23/21 23:22	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/23/21 23:22	1
2-Hexanone	10	U	10	1.1	ug/L			08/23/21 23:22	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/23/21 23:22	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/23/21 23:22	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/23/21 23:22	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/23/21 23:22	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/23/21 23:22	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/23/21 23:22	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/23/21 23:22	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/23/21 23:22	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/23/21 23:22	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/23/21 23:22	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/23/21 23:22	1
Styrene	1.0	U	1.0	0.45	ug/L			08/23/21 23:22	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/23/21 23:22	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/23/21 23:22	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/23/21 23:22	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/23/21 23:22	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/23/21 23:22	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 23:22	1
Toluene	1.0	U	1.0	0.44	ug/L			08/23/21 23:22	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/21 23:22	1

Client Sample ID: MSA-SW41D-081721

Lab Sample ID: 240-154716-16

Date Collected: 08/17/21 10:05
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/23/21 23:22	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/23/21 23:22	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/23/21 23:22	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/23/21 23:22	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 23:22	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/23/21 23:22	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/23/21 23:22	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/23/21 23:22	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/23/21 23:22	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/23/21 23:22	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/23/21 23:22	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/21 23:22	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/23/21 23:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/23/21 23:22*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/23/21 23:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*56 - 136*		*08/23/21 23:22*	*1*
Dibromofluoromethane (Surr)	*99*		*73 - 120*		*08/23/21 23:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*62 - 137*		*08/23/21 23:22*	*1*
Toluene-d8 (Surr)	*92*		*78 - 122*		*08/23/21 23:22*	*1*

Client Sample ID: MSA-SW42A-081721

Lab Sample ID: 240-154716-17

Date Collected: 08/17/21 11:07
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/23/21 23:44	1
Benzene	1.0	U	1.0	0.42	ug/L			08/23/21 23:44	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/23/21 23:44	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/23/21 23:44	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/23/21 23:44	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/23/21 23:44	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/23/21 23:44	1
2-Butanone	10	U	10	1.2	ug/L			08/23/21 23:44	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/23/21 23:44	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/23/21 23:44	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/23/21 23:44	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/23/21 23:44	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/23/21 23:44	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/23/21 23:44	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/23/21 23:44	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/23/21 23:44	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/23/21 23:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/21 23:44	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/23/21 23:44	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/23/21 23:44	1

Client Sample ID: MSA-SW42A-081721

Date Collected: 08/17/21 11:07
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-17

Matrix: Water

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	2.0	U	2.0	0.91	ug/L			08/23/21 23:44	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/23/21 23:44	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/23/21 23:44	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/23/21 23:44	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/23/21 23:44	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/21 23:44	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/23/21 23:44	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/23/21 23:44	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/21 23:44	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/21 23:44	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/23/21 23:44	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/23/21 23:44	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/23/21 23:44	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/21 23:44	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/23/21 23:44	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/23/21 23:44	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/23/21 23:44	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/23/21 23:44	1
2-Hexanone	10	U	10	1.1	ug/L			08/23/21 23:44	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/23/21 23:44	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/23/21 23:44	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/23/21 23:44	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/23/21 23:44	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/23/21 23:44	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/23/21 23:44	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/23/21 23:44	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/23/21 23:44	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/23/21 23:44	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/23/21 23:44	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/23/21 23:44	1
Styrene	1.0	U	1.0	0.45	ug/L			08/23/21 23:44	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/23/21 23:44	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/23/21 23:44	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/23/21 23:44	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/23/21 23:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/23/21 23:44	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 23:44	1
Toluene	1.0	U	1.0	0.44	ug/L			08/23/21 23:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/21 23:44	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/23/21 23:44	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/23/21 23:44	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/23/21 23:44	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/23/21 23:44	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 23:44	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/23/21 23:44	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/23/21 23:44	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/23/21 23:44	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/23/21 23:44	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/23/21 23:44	1

Client Sample ID: MSA-SW42A-081721

Lab Sample ID: 240-154716-17

Date Collected: 08/17/21 11:07
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/23/21 23:44	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/21 23:44	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/23/21 23:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/23/21 23:44*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/23/21 23:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*56 - 136*		*08/23/21 23:44*	*1*
Dibromofluoromethane (Surr)	*100*		*73 - 120*		*08/23/21 23:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*62 - 137*		*08/23/21 23:44*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*08/23/21 23:44*	*1*

Client Sample ID: MSA-SW42B-081721

Lab Sample ID: 240-154716-18

Date Collected: 08/17/21 11:10
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/24/21 00:06	1
Benzene	1.0	U	1.0	0.42	ug/L			08/24/21 00:06	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/24/21 00:06	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/24/21 00:06	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/24/21 00:06	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/24/21 00:06	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/24/21 00:06	1
2-Butanone	10	U	10	1.2	ug/L			08/24/21 00:06	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/24/21 00:06	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/24/21 00:06	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/24/21 00:06	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/24/21 00:06	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/24/21 00:06	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/24/21 00:06	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/24/21 00:06	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/24/21 00:06	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/24/21 00:06	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/24/21 00:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/24/21 00:06	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/24/21 00:06	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/24/21 00:06	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/24/21 00:06	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/24/21 00:06	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/24/21 00:06	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/24/21 00:06	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/24/21 00:06	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/24/21 00:06	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/24/21 00:06	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/24/21 00:06	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/24/21 00:06	1

Client Sample ID: MSA-SW42B-081721

Date Collected: 08/17/21 11:10
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/24/21 00:06	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/24/21 00:06	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/24/21 00:06	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/24/21 00:06	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/24/21 00:06	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/24/21 00:06	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/24/21 00:06	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/24/21 00:06	1
2-Hexanone	10	U	10	1.1	ug/L			08/24/21 00:06	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/24/21 00:06	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/24/21 00:06	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/24/21 00:06	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/24/21 00:06	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/24/21 00:06	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/24/21 00:06	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/24/21 00:06	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/24/21 00:06	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/24/21 00:06	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/24/21 00:06	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/24/21 00:06	1
Styrene	1.0	U	1.0	0.45	ug/L			08/24/21 00:06	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/24/21 00:06	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/24/21 00:06	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/24/21 00:06	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/24/21 00:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/24/21 00:06	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/24/21 00:06	1
Toluene	1.0	U	1.0	0.44	ug/L			08/24/21 00:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/24/21 00:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/24/21 00:06	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/24/21 00:06	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/24/21 00:06	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/24/21 00:06	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/24/21 00:06	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/24/21 00:06	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/24/21 00:06	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/24/21 00:06	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/24/21 00:06	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/24/21 00:06	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/24/21 00:06	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/24/21 00:06	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/24/21 00:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/24/21 00:06*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/24/21 00:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*56 - 136*		*08/24/21 00:06*	*1*
Dibromofluoromethane (Surr)	*107*		*73 - 120*		*08/24/21 00:06*	*1*

Client Sample ID: MSA-SW42B-081721

Lab Sample ID: 240-154716-18

Date Collected: 08/17/21 11:10
Matrix: Water
Date Received: 08/18/21 09:40

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*62 - 137*		*08/24/21 00:06*	*1*
Toluene-d8 (Surr)	*95*		*78 - 122*		*08/24/21 00:06*	*1*

Client Sample ID: MSA-SW42C-081721

Lab Sample ID: 240-154716-19

Date Collected: 08/17/21 11:12
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/24/21 00:28	1
Benzene	1.0	U	1.0	0.42	ug/L			08/24/21 00:28	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/24/21 00:28	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/24/21 00:28	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/24/21 00:28	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/24/21 00:28	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/24/21 00:28	1
2-Butanone	10	U	10	1.2	ug/L			08/24/21 00:28	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/24/21 00:28	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/24/21 00:28	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/24/21 00:28	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/24/21 00:28	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/24/21 00:28	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/24/21 00:28	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/24/21 00:28	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/24/21 00:28	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/24/21 00:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/24/21 00:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/24/21 00:28	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/24/21 00:28	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/24/21 00:28	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/24/21 00:28	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/24/21 00:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/24/21 00:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/24/21 00:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/24/21 00:28	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/24/21 00:28	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/24/21 00:28	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/24/21 00:28	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/24/21 00:28	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/24/21 00:28	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/24/21 00:28	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/24/21 00:28	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/24/21 00:28	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/24/21 00:28	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/24/21 00:28	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/24/21 00:28	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/24/21 00:28	1
2-Hexanone	10	U	10	1.1	ug/L			08/24/21 00:28	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/24/21 00:28	1

Client Sample ID: MSA-SW42C-081721

Lab Sample ID: 240-154716-19

Date Collected: 08/17/21 11:12
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/24/21 00:28	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/24/21 00:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/24/21 00:28	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/24/21 00:28	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/24/21 00:28	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/24/21 00:28	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/24/21 00:28	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/24/21 00:28	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/24/21 00:28	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/24/21 00:28	1
Styrene	1.0	U	1.0	0.45	ug/L			08/24/21 00:28	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/24/21 00:28	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/24/21 00:28	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/24/21 00:28	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/24/21 00:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/24/21 00:28	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/24/21 00:28	1
Toluene	1.0	U	1.0	0.44	ug/L			08/24/21 00:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/24/21 00:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/24/21 00:28	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/24/21 00:28	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/24/21 00:28	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/24/21 00:28	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/24/21 00:28	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/24/21 00:28	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/24/21 00:28	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/24/21 00:28	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/24/21 00:28	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/24/21 00:28	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/24/21 00:28	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/24/21 00:28	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/24/21 00:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/24/21 00:28*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/24/21 00:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*56 - 136*		*08/24/21 00:28*	*1*
Dibromofluoromethane (Surr)	*105*		*73 - 120*		*08/24/21 00:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*62 - 137*		*08/24/21 00:28*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*08/24/21 00:28*	*1*

Client Sample ID: MSA-SW42D-081721

Lab Sample ID: 240-154716-20

Date Collected: 08/17/21 11:15
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/24/21 00:50	1

Client Sample ID: MSA-SW42D-081721

Date Collected: 08/17/21 11:15
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-20

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.42	ug/L			08/24/21 00:50	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/24/21 00:50	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/24/21 00:50	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/24/21 00:50	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/24/21 00:50	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/24/21 00:50	1
2-Butanone	10	U	10	1.2	ug/L			08/24/21 00:50	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/24/21 00:50	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/24/21 00:50	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/24/21 00:50	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/24/21 00:50	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/24/21 00:50	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/24/21 00:50	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/24/21 00:50	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/24/21 00:50	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/24/21 00:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/24/21 00:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/24/21 00:50	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/24/21 00:50	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/24/21 00:50	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/24/21 00:50	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/24/21 00:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/24/21 00:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/24/21 00:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/24/21 00:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/24/21 00:50	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/24/21 00:50	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/24/21 00:50	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/24/21 00:50	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/24/21 00:50	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/24/21 00:50	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/24/21 00:50	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/24/21 00:50	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/24/21 00:50	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/24/21 00:50	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/24/21 00:50	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/24/21 00:50	1
2-Hexanone	10	U	10	1.1	ug/L			08/24/21 00:50	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/24/21 00:50	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/24/21 00:50	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/24/21 00:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/24/21 00:50	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/24/21 00:50	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/24/21 00:50	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/24/21 00:50	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/24/21 00:50	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/24/21 00:50	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/24/21 00:50	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/24/21 00:50	1

Client Sample ID: MSA-SW42D-081721

Lab Sample ID: 240-154716-20

Date Collected: 08/17/21 11:15
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.45	ug/L			08/24/21 00:50	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/24/21 00:50	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/24/21 00:50	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/24/21 00:50	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/24/21 00:50	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/24/21 00:50	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/24/21 00:50	1
Toluene	1.0	U	1.0	0.44	ug/L			08/24/21 00:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/24/21 00:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/24/21 00:50	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/24/21 00:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/24/21 00:50	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/24/21 00:50	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/24/21 00:50	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/24/21 00:50	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/24/21 00:50	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/24/21 00:50	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/24/21 00:50	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/24/21 00:50	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/24/21 00:50	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/24/21 00:50	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/24/21 00:50	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/24/21 00:50*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/24/21 00:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*56 - 136*		*08/24/21 00:50*	*1*
Dibromofluoromethane (Surr)	*97*		*73 - 120*		*08/24/21 00:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*62 - 137*		*08/24/21 00:50*	*1*
Toluene-d8 (Surr)	*89*		*78 - 122*		*08/24/21 00:50*	*1*

Client Sample ID: MSA-SW43A-081721

Lab Sample ID: 240-154716-21

Date Collected: 08/17/21 09:43
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/24/21 01:12	1
Benzene	1.0	U	1.0	0.42	ug/L			08/24/21 01:12	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/24/21 01:12	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/24/21 01:12	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/24/21 01:12	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/24/21 01:12	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/24/21 01:12	1
2-Butanone	10	U	10	1.2	ug/L			08/24/21 01:12	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/24/21 01:12	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/24/21 01:12	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/24/21 01:12	1

Client Sample ID: MSA-SW43A-081721

Date Collected: 08/17/21 09:43
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	1.0	U	1.0	0.83	ug/L			08/24/21 01:12	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/24/21 01:12	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/24/21 01:12	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/24/21 01:12	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/24/21 01:12	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/24/21 01:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/24/21 01:12	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/24/21 01:12	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/24/21 01:12	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/24/21 01:12	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/24/21 01:12	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/24/21 01:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/24/21 01:12	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/24/21 01:12	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/24/21 01:12	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/24/21 01:12	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/24/21 01:12	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/24/21 01:12	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/24/21 01:12	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/24/21 01:12	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/24/21 01:12	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/24/21 01:12	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/24/21 01:12	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/24/21 01:12	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/24/21 01:12	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/24/21 01:12	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/24/21 01:12	1
2-Hexanone	10	U	10	1.1	ug/L			08/24/21 01:12	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/24/21 01:12	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/24/21 01:12	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/24/21 01:12	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/24/21 01:12	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/24/21 01:12	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/24/21 01:12	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/24/21 01:12	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/24/21 01:12	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/24/21 01:12	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/24/21 01:12	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/24/21 01:12	1
Styrene	1.0	U	1.0	0.45	ug/L			08/24/21 01:12	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/24/21 01:12	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/24/21 01:12	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/24/21 01:12	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/24/21 01:12	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/24/21 01:12	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/24/21 01:12	1
Toluene	1.0	U	1.0	0.44	ug/L			08/24/21 01:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/24/21 01:12	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/24/21 01:12	1

Client Sample ID: MSA-SW43A-081721

Lab Sample ID: 240-154716-21

Date Collected: 08/17/21 09:43
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/24/21 01:12	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/24/21 01:12	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/24/21 01:12	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/24/21 01:12	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/24/21 01:12	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/24/21 01:12	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/24/21 01:12	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/24/21 01:12	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/24/21 01:12	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/24/21 01:12	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/24/21 01:12	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/24/21 01:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/24/21 01:12*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/24/21 01:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*56 - 136*		*08/24/21 01:12*	*1*
Dibromofluoromethane (Surr)	*105*		*73 - 120*		*08/24/21 01:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*62 - 137*		*08/24/21 01:12*	*1*
Toluene-d8 (Surr)	*97*		*78 - 122*		*08/24/21 01:12*	*1*

Client Sample ID: MSA-SW43B-081721

Lab Sample ID: 240-154716-22

Date Collected: 08/17/21 09:45
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/24/21 01:34	1
Benzene	1.0	U	1.0	0.42	ug/L			08/24/21 01:34	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/24/21 01:34	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/24/21 01:34	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/24/21 01:34	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/24/21 01:34	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/24/21 01:34	1
2-Butanone	10	U	10	1.2	ug/L			08/24/21 01:34	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/24/21 01:34	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/24/21 01:34	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/24/21 01:34	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/24/21 01:34	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/24/21 01:34	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/24/21 01:34	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/24/21 01:34	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/24/21 01:34	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/24/21 01:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/24/21 01:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/24/21 01:34	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/24/21 01:34	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/24/21 01:34	1

Client Sample ID: MSA-SW43B-081721

Date Collected: 08/17/21 09:45
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-22

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/24/21 01:34	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/24/21 01:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/24/21 01:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/24/21 01:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/24/21 01:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/24/21 01:34	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/24/21 01:34	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/24/21 01:34	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/24/21 01:34	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/24/21 01:34	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/24/21 01:34	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/24/21 01:34	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/24/21 01:34	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/24/21 01:34	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/24/21 01:34	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/24/21 01:34	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/24/21 01:34	1
2-Hexanone	10	U	10	1.1	ug/L			08/24/21 01:34	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/24/21 01:34	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/24/21 01:34	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/24/21 01:34	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/24/21 01:34	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/24/21 01:34	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/24/21 01:34	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/24/21 01:34	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/24/21 01:34	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/24/21 01:34	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/24/21 01:34	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/24/21 01:34	1
Styrene	1.0	U	1.0	0.45	ug/L			08/24/21 01:34	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/24/21 01:34	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/24/21 01:34	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/24/21 01:34	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/24/21 01:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/24/21 01:34	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/24/21 01:34	1
Toluene	1.0	U	1.0	0.44	ug/L			08/24/21 01:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/24/21 01:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/24/21 01:34	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/24/21 01:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/24/21 01:34	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/24/21 01:34	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/24/21 01:34	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/24/21 01:34	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/24/21 01:34	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/24/21 01:34	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/24/21 01:34	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/24/21 01:34	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/24/21 01:34	1

Client Sample ID: MSA-SW43B-081721

Lab Sample ID: 240-154716-22

Date Collected: 08/17/21 09:45
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/24/21 01:34	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/24/21 01:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/24/21 01:34*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/24/21 01:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*56 - 136*		*08/24/21 01:34*	*1*
Dibromofluoromethane (Surr)	*97*		*73 - 120*		*08/24/21 01:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*62 - 137*		*08/24/21 01:34*	*1*
Toluene-d8 (Surr)	*88*		*78 - 122*		*08/24/21 01:34*	*1*

Client Sample ID: MSA-SW43C-081721

Lab Sample ID: 240-154716-23

Date Collected: 08/17/21 09:47
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/26/21 20:54	1
Benzene	1.0	U	1.0	0.42	ug/L			08/26/21 20:54	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/26/21 20:54	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/26/21 20:54	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/26/21 20:54	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/26/21 20:54	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/26/21 20:54	1
2-Butanone	10	U	10	1.2	ug/L			08/26/21 20:54	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/26/21 20:54	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/26/21 20:54	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/26/21 20:54	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/26/21 20:54	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/26/21 20:54	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/26/21 20:54	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/26/21 20:54	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/26/21 20:54	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/26/21 20:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/26/21 20:54	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/26/21 20:54	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/26/21 20:54	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/26/21 20:54	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/26/21 20:54	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/26/21 20:54	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/26/21 20:54	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/26/21 20:54	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/26/21 20:54	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/26/21 20:54	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/26/21 20:54	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/26/21 20:54	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/26/21 20:54	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/26/21 20:54	1

Client Sample ID: MSA-SW43C-081721

Date Collected: 08/17/21 09:47
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-23

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/26/21 20:54	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/26/21 20:54	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/26/21 20:54	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/26/21 20:54	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/26/21 20:54	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/26/21 20:54	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/26/21 20:54	1
2-Hexanone	10	U	10	1.1	ug/L			08/26/21 20:54	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/26/21 20:54	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/26/21 20:54	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/26/21 20:54	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/26/21 20:54	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/26/21 20:54	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/26/21 20:54	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/26/21 20:54	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/26/21 20:54	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/26/21 20:54	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/26/21 20:54	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/26/21 20:54	1
Styrene	1.0	U	1.0	0.45	ug/L			08/26/21 20:54	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/26/21 20:54	1
tert-Butyl alcohol	40	U *+	40	7.2	ug/L			08/26/21 20:54	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/26/21 20:54	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/26/21 20:54	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/26/21 20:54	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 20:54	1
Toluene	1.0	U	1.0	0.44	ug/L			08/26/21 20:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/26/21 20:54	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/26/21 20:54	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/26/21 20:54	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/26/21 20:54	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/26/21 20:54	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 20:54	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/26/21 20:54	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/26/21 20:54	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/26/21 20:54	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/26/21 20:54	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/26/21 20:54	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/26/21 20:54	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/26/21 20:54	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/26/21 20:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/26/21 20:54*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/26/21 20:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*56 - 136*		*08/26/21 20:54*	*1*
Dibromofluoromethane (Surr)	*105*		*73 - 120*		*08/26/21 20:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*62 - 137*		*08/26/21 20:54*	*1*

Client Sample ID: MSA-SW43C-081721

Lab Sample ID: 240-154716-23

Date Collected: 08/17/21 09:47
Matrix: Water
Date Received: 08/18/21 09:40

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*78 - 122*		*08/26/21 20:54*	*1*

Client Sample ID: MSA-SW43D-081721

Lab Sample ID: 240-154716-24

Date Collected: 08/17/21 09:50
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/24/21 02:19	1
Benzene	1.0	U	1.0	0.42	ug/L			08/24/21 02:19	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/24/21 02:19	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/24/21 02:19	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/24/21 02:19	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/24/21 02:19	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/24/21 02:19	1
2-Butanone	10	U	10	1.2	ug/L			08/24/21 02:19	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/24/21 02:19	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/24/21 02:19	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/24/21 02:19	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/24/21 02:19	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/24/21 02:19	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/24/21 02:19	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/24/21 02:19	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/24/21 02:19	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/24/21 02:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/24/21 02:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/24/21 02:19	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/24/21 02:19	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/24/21 02:19	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/24/21 02:19	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/24/21 02:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/24/21 02:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/24/21 02:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/24/21 02:19	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/24/21 02:19	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/24/21 02:19	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/24/21 02:19	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/24/21 02:19	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/24/21 02:19	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/24/21 02:19	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/24/21 02:19	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/24/21 02:19	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/24/21 02:19	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/24/21 02:19	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/24/21 02:19	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/24/21 02:19	1
2-Hexanone	10	U	10	1.1	ug/L			08/24/21 02:19	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/24/21 02:19	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/24/21 02:19	1

Client Sample ID: MSA-SW43D-081721

Lab Sample ID: 240-154716-24

Date Collected: 08/17/21 09:50
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/24/21 02:19	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/24/21 02:19	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/24/21 02:19	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/24/21 02:19	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/24/21 02:19	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/24/21 02:19	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/24/21 02:19	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/24/21 02:19	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/24/21 02:19	1
Styrene	1.0	U	1.0	0.45	ug/L			08/24/21 02:19	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/24/21 02:19	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/24/21 02:19	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/24/21 02:19	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/24/21 02:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/24/21 02:19	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/24/21 02:19	1
Toluene	1.0	U	1.0	0.44	ug/L			08/24/21 02:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/24/21 02:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/24/21 02:19	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/24/21 02:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/24/21 02:19	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/24/21 02:19	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/24/21 02:19	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/24/21 02:19	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/24/21 02:19	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/24/21 02:19	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/24/21 02:19	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/24/21 02:19	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/24/21 02:19	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/24/21 02:19	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/24/21 02:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/24/21 02:19*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/24/21 02:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*56 - 136*		*08/24/21 02:19*	*1*
Dibromofluoromethane (Surr)	*98*		*73 - 120*		*08/24/21 02:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*62 - 137*		*08/24/21 02:19*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*08/24/21 02:19*	*1*

Client Sample ID: MSA-SW44A-081721

Lab Sample ID: 240-154716-25

Date Collected: 08/17/21 09:30
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/26/21 21:16	1
Benzene	1.0	U	1.0	0.42	ug/L			08/26/21 21:16	1

Client Sample ID: MSA-SW44A-081721

Date Collected: 08/17/21 09:30
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-25

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/26/21 21:16	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/26/21 21:16	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/26/21 21:16	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/26/21 21:16	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/26/21 21:16	1
2-Butanone	10	U	10	1.2	ug/L			08/26/21 21:16	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/26/21 21:16	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/26/21 21:16	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/26/21 21:16	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/26/21 21:16	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/26/21 21:16	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/26/21 21:16	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/26/21 21:16	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/26/21 21:16	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/26/21 21:16	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/26/21 21:16	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/26/21 21:16	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/26/21 21:16	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/26/21 21:16	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/26/21 21:16	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/26/21 21:16	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/26/21 21:16	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/26/21 21:16	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/26/21 21:16	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/26/21 21:16	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/26/21 21:16	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/26/21 21:16	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/26/21 21:16	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/26/21 21:16	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/26/21 21:16	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/26/21 21:16	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/26/21 21:16	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/26/21 21:16	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/26/21 21:16	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/26/21 21:16	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/26/21 21:16	1
2-Hexanone	10	U	10	1.1	ug/L			08/26/21 21:16	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/26/21 21:16	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/26/21 21:16	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/26/21 21:16	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/26/21 21:16	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/26/21 21:16	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/26/21 21:16	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/26/21 21:16	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/26/21 21:16	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/26/21 21:16	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/26/21 21:16	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/26/21 21:16	1
Styrene	1.0	U	1.0	0.45	ug/L			08/26/21 21:16	1

Client Sample ID: MSA-SW44A-081721

Lab Sample ID: 240-154716-25

Date Collected: 08/17/21 09:30
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/26/21 21:16	1
tert-Butyl alcohol	40	U *+	40	7.2	ug/L			08/26/21 21:16	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/26/21 21:16	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/26/21 21:16	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/26/21 21:16	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 21:16	1
Toluene	1.0	U	1.0	0.44	ug/L			08/26/21 21:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/26/21 21:16	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/26/21 21:16	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/26/21 21:16	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/26/21 21:16	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/26/21 21:16	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 21:16	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/26/21 21:16	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/26/21 21:16	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/26/21 21:16	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/26/21 21:16	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/26/21 21:16	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/26/21 21:16	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/26/21 21:16	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/26/21 21:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/26/21 21:16*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/26/21 21:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*56 - 136*		*08/26/21 21:16*	*1*
Dibromofluoromethane (Surr)	*105*		*73 - 120*		*08/26/21 21:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*62 - 137*		*08/26/21 21:16*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*08/26/21 21:16*	*1*

Client Sample ID: MSA-SW44B-081721

Lab Sample ID: 240-154716-26

Date Collected: 08/17/21 09:35
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/26/21 21:38	1
Benzene	1.0	U	1.0	0.42	ug/L			08/26/21 21:38	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/26/21 21:38	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/26/21 21:38	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/26/21 21:38	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/26/21 21:38	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/26/21 21:38	1
2-Butanone	10	U	10	1.2	ug/L			08/26/21 21:38	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/26/21 21:38	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/26/21 21:38	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/26/21 21:38	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/26/21 21:38	1

Client Sample ID: MSA-SW44B-081721

Date Collected: 08/17/21 09:35
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-26

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/26/21 21:38	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/26/21 21:38	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/26/21 21:38	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/26/21 21:38	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/26/21 21:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/26/21 21:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/26/21 21:38	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/26/21 21:38	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/26/21 21:38	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/26/21 21:38	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/26/21 21:38	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/26/21 21:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/26/21 21:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/26/21 21:38	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/26/21 21:38	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/26/21 21:38	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/26/21 21:38	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/26/21 21:38	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/26/21 21:38	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/26/21 21:38	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/26/21 21:38	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/26/21 21:38	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/26/21 21:38	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/26/21 21:38	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/26/21 21:38	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/26/21 21:38	1
2-Hexanone	10	U	10	1.1	ug/L			08/26/21 21:38	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/26/21 21:38	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/26/21 21:38	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/26/21 21:38	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/26/21 21:38	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/26/21 21:38	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/26/21 21:38	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/26/21 21:38	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/26/21 21:38	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/26/21 21:38	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/26/21 21:38	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/26/21 21:38	1
Styrene	1.0	U	1.0	0.45	ug/L			08/26/21 21:38	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/26/21 21:38	1
tert-Butyl alcohol	40	U *+	40	7.2	ug/L			08/26/21 21:38	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/26/21 21:38	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/26/21 21:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/26/21 21:38	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 21:38	1
Toluene	1.0	U	1.0	0.44	ug/L			08/26/21 21:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/26/21 21:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/26/21 21:38	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/26/21 21:38	1

Client Sample ID: MSA-SW44B-081721

Lab Sample ID: 240-154716-26

Date Collected: 08/17/21 09:35
Date Received: 08/18/21 09:40

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/26/21 21:38	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/26/21 21:38	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 21:38	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/26/21 21:38	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/26/21 21:38	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/26/21 21:38	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/26/21 21:38	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/26/21 21:38	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/26/21 21:38	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/26/21 21:38	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/26/21 21:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/26/21 21:38*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/26/21 21:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*56 - 136*		*08/26/21 21:38*	*1*
Dibromofluoromethane (Surr)	*107*		*73 - 120*		*08/26/21 21:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*62 - 137*		*08/26/21 21:38*	*1*
Toluene-d8 (Surr)	*94*		*78 - 122*		*08/26/21 21:38*	*1*

Client Sample ID: MSA-SW44C-081721

Lab Sample ID: 240-154716-27

Date Collected: 08/17/21 09:38
Date Received: 08/18/21 09:40

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/26/21 22:00	1
Benzene	1.0	U	1.0	0.42	ug/L			08/26/21 22:00	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/26/21 22:00	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/26/21 22:00	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/26/21 22:00	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/26/21 22:00	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/26/21 22:00	1
2-Butanone	10	U	10	1.2	ug/L			08/26/21 22:00	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/26/21 22:00	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/26/21 22:00	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/26/21 22:00	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/26/21 22:00	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/26/21 22:00	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/26/21 22:00	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/26/21 22:00	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/26/21 22:00	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/26/21 22:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/26/21 22:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/26/21 22:00	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/26/21 22:00	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/26/21 22:00	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/26/21 22:00	1

Client Sample ID: MSA-SW44C-081721

Date Collected: 08/17/21 09:38
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-27

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/26/21 22:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/26/21 22:00	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/26/21 22:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/26/21 22:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/26/21 22:00	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/26/21 22:00	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/26/21 22:00	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/26/21 22:00	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/26/21 22:00	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/26/21 22:00	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/26/21 22:00	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/26/21 22:00	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/26/21 22:00	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/26/21 22:00	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/26/21 22:00	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/26/21 22:00	1
2-Hexanone	10	U	10	1.1	ug/L			08/26/21 22:00	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/26/21 22:00	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/26/21 22:00	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/26/21 22:00	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/26/21 22:00	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/26/21 22:00	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/26/21 22:00	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/26/21 22:00	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/26/21 22:00	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/26/21 22:00	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/26/21 22:00	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/26/21 22:00	1
Styrene	1.0	U	1.0	0.45	ug/L			08/26/21 22:00	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/26/21 22:00	1
tert-Butyl alcohol	40	U *+	40	7.2	ug/L			08/26/21 22:00	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/26/21 22:00	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/26/21 22:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/26/21 22:00	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 22:00	1
Toluene	1.0	U	1.0	0.44	ug/L			08/26/21 22:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/26/21 22:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/26/21 22:00	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/26/21 22:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/26/21 22:00	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/26/21 22:00	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 22:00	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/26/21 22:00	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/26/21 22:00	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/26/21 22:00	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/26/21 22:00	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/26/21 22:00	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/26/21 22:00	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/26/21 22:00	1

Client Sample ID: MSA-SW44C-081721

Lab Sample ID: 240-154716-27

Date Collected: 08/17/21 09:38
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/26/21 22:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/26/21 22:00*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/26/21 22:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*56 - 136*		*08/26/21 22:00*	*1*
Dibromofluoromethane (Surr)	*106*		*73 - 120*		*08/26/21 22:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*62 - 137*		*08/26/21 22:00*	*1*
Toluene-d8 (Surr)	*94*		*78 - 122*		*08/26/21 22:00*	*1*

Client Sample ID: MSA-SW44D-081721

Lab Sample ID: 240-154716-28

Date Collected: 08/17/21 09:40
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/26/21 22:23	1
Benzene	1.0	U	1.0	0.42	ug/L			08/26/21 22:23	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/26/21 22:23	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/26/21 22:23	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/26/21 22:23	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/26/21 22:23	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/26/21 22:23	1
2-Butanone	10	U	10	1.2	ug/L			08/26/21 22:23	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/26/21 22:23	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/26/21 22:23	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/26/21 22:23	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/26/21 22:23	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/26/21 22:23	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/26/21 22:23	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/26/21 22:23	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/26/21 22:23	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/26/21 22:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/26/21 22:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/26/21 22:23	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/26/21 22:23	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/26/21 22:23	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/26/21 22:23	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/26/21 22:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/26/21 22:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/26/21 22:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/26/21 22:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/26/21 22:23	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/26/21 22:23	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/26/21 22:23	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/26/21 22:23	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/26/21 22:23	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/26/21 22:23	1

Client Sample ID: MSA-SW44D-081721

Date Collected: 08/17/21 09:40
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-28

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/26/21 22:23	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/26/21 22:23	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/26/21 22:23	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/26/21 22:23	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/26/21 22:23	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/26/21 22:23	1
2-Hexanone	10	U	10	1.1	ug/L			08/26/21 22:23	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/26/21 22:23	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/26/21 22:23	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/26/21 22:23	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/26/21 22:23	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/26/21 22:23	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/26/21 22:23	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/26/21 22:23	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/26/21 22:23	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/26/21 22:23	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/26/21 22:23	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/26/21 22:23	1
Styrene	1.0	U	1.0	0.45	ug/L			08/26/21 22:23	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/26/21 22:23	1
tert-Butyl alcohol	40	U *+	40	7.2	ug/L			08/26/21 22:23	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/26/21 22:23	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/26/21 22:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/26/21 22:23	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 22:23	1
Toluene	1.0	U	1.0	0.44	ug/L			08/26/21 22:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/26/21 22:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/26/21 22:23	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/26/21 22:23	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/26/21 22:23	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/26/21 22:23	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 22:23	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/26/21 22:23	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/26/21 22:23	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/26/21 22:23	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/26/21 22:23	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/26/21 22:23	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/26/21 22:23	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/26/21 22:23	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/26/21 22:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/26/21 22:23*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/26/21 22:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*08/26/21 22:23*	*1*
Dibromofluoromethane (Surr)	*97*		*73 - 120*		*08/26/21 22:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*62 - 137*		*08/26/21 22:23*	*1*
Toluene-d8 (Surr)	*92*		*78 - 122*		*08/26/21 22:23*	*1*

Client Sample ID: TB-081721

Date Collected: 08/17/21 00:00
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-29

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/26/21 22:45	1
Benzene	1.0	U	1.0	0.42	ug/L			08/26/21 22:45	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/26/21 22:45	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/26/21 22:45	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/26/21 22:45	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/26/21 22:45	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/26/21 22:45	1
2-Butanone	10	U	10	1.2	ug/L			08/26/21 22:45	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/26/21 22:45	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/26/21 22:45	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/26/21 22:45	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/26/21 22:45	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/26/21 22:45	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/26/21 22:45	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/26/21 22:45	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/26/21 22:45	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/26/21 22:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/26/21 22:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/26/21 22:45	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/26/21 22:45	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/26/21 22:45	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/26/21 22:45	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/26/21 22:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/26/21 22:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/26/21 22:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/26/21 22:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/26/21 22:45	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/26/21 22:45	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/26/21 22:45	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/26/21 22:45	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/26/21 22:45	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/26/21 22:45	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/26/21 22:45	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/26/21 22:45	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/26/21 22:45	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/26/21 22:45	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/26/21 22:45	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/26/21 22:45	1
2-Hexanone	10	U	10	1.1	ug/L			08/26/21 22:45	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/26/21 22:45	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/26/21 22:45	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/26/21 22:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/26/21 22:45	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/26/21 22:45	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/26/21 22:45	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/26/21 22:45	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/26/21 22:45	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/26/21 22:45	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/26/21 22:45	1

Client Sample ID: TB-081721

Date Collected: 08/17/21 00:00
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-29

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/26/21 22:45	1
Styrene	1.0	U	1.0	0.45	ug/L			08/26/21 22:45	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/26/21 22:45	1
tert-Butyl alcohol	40	U *+	40	7.2	ug/L			08/26/21 22:45	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/26/21 22:45	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/26/21 22:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/26/21 22:45	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 22:45	1
Toluene	1.0	U	1.0	0.44	ug/L			08/26/21 22:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/26/21 22:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/26/21 22:45	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/26/21 22:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/26/21 22:45	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/26/21 22:45	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 22:45	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/26/21 22:45	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/26/21 22:45	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/26/21 22:45	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/26/21 22:45	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/26/21 22:45	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/26/21 22:45	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/26/21 22:45	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/26/21 22:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/26/21 22:45*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/26/21 22:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*56 - 136*		*08/26/21 22:45*	*1*
Dibromofluoromethane (Surr)	*102*		*73 - 120*		*08/26/21 22:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*62 - 137*		*08/26/21 22:45*	*1*
Toluene-d8 (Surr)	*96*		*78 - 122*		*08/26/21 22:45*	*1*

Client Sample ID: MSA-SW46A-081721

Date Collected: 08/17/21 11:05
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-30

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/26/21 23:07	1
Benzene	1.0	U	1.0	0.42	ug/L			08/26/21 23:07	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/26/21 23:07	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/26/21 23:07	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/26/21 23:07	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/26/21 23:07	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/26/21 23:07	1
2-Butanone	10	U	10	1.2	ug/L			08/26/21 23:07	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/26/21 23:07	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/26/21 23:07	1

Client Sample ID: MSA-SW46A-081721

Date Collected: 08/17/21 11:05
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-30

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/26/21 23:07	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/26/21 23:07	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/26/21 23:07	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/26/21 23:07	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/26/21 23:07	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/26/21 23:07	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/26/21 23:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/26/21 23:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/26/21 23:07	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/26/21 23:07	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/26/21 23:07	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/26/21 23:07	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/26/21 23:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/26/21 23:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/26/21 23:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/26/21 23:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/26/21 23:07	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/26/21 23:07	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/26/21 23:07	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/26/21 23:07	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/26/21 23:07	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/26/21 23:07	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/26/21 23:07	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/26/21 23:07	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/26/21 23:07	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/26/21 23:07	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/26/21 23:07	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/26/21 23:07	1
2-Hexanone	10	U	10	1.1	ug/L			08/26/21 23:07	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/26/21 23:07	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/26/21 23:07	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/26/21 23:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/26/21 23:07	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/26/21 23:07	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/26/21 23:07	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/26/21 23:07	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/26/21 23:07	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/26/21 23:07	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/26/21 23:07	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/26/21 23:07	1
Styrene	1.0	U	1.0	0.45	ug/L			08/26/21 23:07	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/26/21 23:07	1
tert-Butyl alcohol	40	U *+	40	7.2	ug/L			08/26/21 23:07	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/26/21 23:07	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/26/21 23:07	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/26/21 23:07	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 23:07	1
Toluene	1.0	U	1.0	0.44	ug/L			08/26/21 23:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/26/21 23:07	1

Client Sample ID: MSA-SW46A-081721

Lab Sample ID: 240-154716-30

Date Collected: 08/17/21 11:05
Date Received: 08/18/21 09:40

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/26/21 23:07	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/26/21 23:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/26/21 23:07	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/26/21 23:07	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 23:07	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/26/21 23:07	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/26/21 23:07	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/26/21 23:07	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/26/21 23:07	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/26/21 23:07	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/26/21 23:07	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/26/21 23:07	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/26/21 23:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/26/21 23:07*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/26/21 23:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*56 - 136*		*08/26/21 23:07*	*1*
Dibromofluoromethane (Surr)	*96*		*73 - 120*		*08/26/21 23:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*62 - 137*		*08/26/21 23:07*	*1*
Toluene-d8 (Surr)	*89*		*78 - 122*		*08/26/21 23:07*	*1*

Client Sample ID: MSA-SW47A-081721

Lab Sample ID: 240-154716-31

Date Collected: 08/17/21 10:25
Date Received: 08/18/21 09:40

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/26/21 23:29	1
Benzene	1.0	U	1.0	0.42	ug/L			08/26/21 23:29	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/26/21 23:29	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/26/21 23:29	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/26/21 23:29	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/26/21 23:29	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/26/21 23:29	1
2-Butanone	10	U	10	1.2	ug/L			08/26/21 23:29	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/26/21 23:29	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/26/21 23:29	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/26/21 23:29	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/26/21 23:29	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/26/21 23:29	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/26/21 23:29	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/26/21 23:29	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/26/21 23:29	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/26/21 23:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/26/21 23:29	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/26/21 23:29	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/26/21 23:29	1

Client Sample ID: MSA-SW47A-081721

Date Collected: 08/17/21 10:25
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-31

Matrix: Water

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	2.0	U	2.0	0.91	ug/L			08/26/21 23:29	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/26/21 23:29	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/26/21 23:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/26/21 23:29	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/26/21 23:29	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/26/21 23:29	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/26/21 23:29	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/26/21 23:29	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/26/21 23:29	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/26/21 23:29	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/26/21 23:29	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/26/21 23:29	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/26/21 23:29	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/26/21 23:29	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/26/21 23:29	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/26/21 23:29	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/26/21 23:29	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/26/21 23:29	1
2-Hexanone	10	U	10	1.1	ug/L			08/26/21 23:29	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/26/21 23:29	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/26/21 23:29	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/26/21 23:29	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/26/21 23:29	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/26/21 23:29	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/26/21 23:29	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/26/21 23:29	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/26/21 23:29	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/26/21 23:29	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/26/21 23:29	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/26/21 23:29	1
Styrene	1.0	U	1.0	0.45	ug/L			08/26/21 23:29	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/26/21 23:29	1
tert-Butyl alcohol	40	U *+	40	7.2	ug/L			08/26/21 23:29	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/26/21 23:29	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/26/21 23:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/26/21 23:29	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 23:29	1
Toluene	1.0	U	1.0	0.44	ug/L			08/26/21 23:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/26/21 23:29	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/26/21 23:29	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/26/21 23:29	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/26/21 23:29	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/26/21 23:29	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 23:29	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/26/21 23:29	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/26/21 23:29	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/26/21 23:29	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/26/21 23:29	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/26/21 23:29	1

Client Sample ID: MSA-SW47A-081721

Lab Sample ID: 240-154716-31

Date Collected: 08/17/21 10:25
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/26/21 23:29	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/26/21 23:29	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/26/21 23:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/26/21 23:29*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/26/21 23:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*08/26/21 23:29*	*1*
Dibromofluoromethane (Surr)	*97*		*73 - 120*		*08/26/21 23:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*62 - 137*		*08/26/21 23:29*	*1*
Toluene-d8 (Surr)	*95*		*78 - 122*		*08/26/21 23:29*	*1*

Client Sample ID: MSA-SW48A-081721

Lab Sample ID: 240-154716-32

Date Collected: 08/17/21 10:08
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/26/21 23:52	1
Benzene	1.0	U	1.0	0.42	ug/L			08/26/21 23:52	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/26/21 23:52	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/26/21 23:52	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/26/21 23:52	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/26/21 23:52	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/26/21 23:52	1
2-Butanone	10	U	10	1.2	ug/L			08/26/21 23:52	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/26/21 23:52	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/26/21 23:52	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/26/21 23:52	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/26/21 23:52	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/26/21 23:52	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/26/21 23:52	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/26/21 23:52	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/26/21 23:52	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/26/21 23:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/26/21 23:52	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/26/21 23:52	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/26/21 23:52	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/26/21 23:52	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/26/21 23:52	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/26/21 23:52	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/26/21 23:52	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/26/21 23:52	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/26/21 23:52	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/26/21 23:52	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/26/21 23:52	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/26/21 23:52	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/26/21 23:52	1

Client Sample ID: MSA-SW48A-081721

Date Collected: 08/17/21 10:08
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-32

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/26/21 23:52	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/26/21 23:52	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/26/21 23:52	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/26/21 23:52	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/26/21 23:52	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/26/21 23:52	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/26/21 23:52	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/26/21 23:52	1
2-Hexanone	10	U	10	1.1	ug/L			08/26/21 23:52	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/26/21 23:52	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/26/21 23:52	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/26/21 23:52	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/26/21 23:52	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/26/21 23:52	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/26/21 23:52	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/26/21 23:52	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/26/21 23:52	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/26/21 23:52	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/26/21 23:52	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/26/21 23:52	1
Styrene	1.0	U	1.0	0.45	ug/L			08/26/21 23:52	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/26/21 23:52	1
tert-Butyl alcohol	40	U *+	40	7.2	ug/L			08/26/21 23:52	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/26/21 23:52	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/26/21 23:52	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/26/21 23:52	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 23:52	1
Toluene	1.0	U	1.0	0.44	ug/L			08/26/21 23:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/26/21 23:52	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/26/21 23:52	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/26/21 23:52	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/26/21 23:52	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/26/21 23:52	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 23:52	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/26/21 23:52	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/26/21 23:52	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/26/21 23:52	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/26/21 23:52	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/26/21 23:52	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/26/21 23:52	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/26/21 23:52	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/26/21 23:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/26/21 23:52*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/26/21 23:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*56 - 136*		*08/26/21 23:52*	*1*
Dibromofluoromethane (Surr)	*97*		*73 - 120*		*08/26/21 23:52*	*1*

Client Sample ID: MSA-SW48A-081721

Lab Sample ID: 240-154716-32

Date Collected: 08/17/21 10:08
Matrix: Water
Date Received: 08/18/21 09:40

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*62 - 137*		*08/26/21 23:52*	*1*
Toluene-d8 (Surr)	*91*		*78 - 122*		*08/26/21 23:52*	*1*

Client Sample ID: MSA-SW49A-081721

Lab Sample ID: 240-154716-33

Date Collected: 08/17/21 09:55
Matrix: Water
Date Received: 08/18/21 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U *+	10	5.4	ug/L			08/27/21 00:14	1
Benzene	1.0	U	1.0	0.42	ug/L			08/27/21 00:14	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/27/21 00:14	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/27/21 00:14	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/27/21 00:14	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/27/21 00:14	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/27/21 00:14	1
2-Butanone	10	U	10	1.2	ug/L			08/27/21 00:14	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/27/21 00:14	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/27/21 00:14	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/27/21 00:14	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/27/21 00:14	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/27/21 00:14	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/27/21 00:14	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/27/21 00:14	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/27/21 00:14	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/27/21 00:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/27/21 00:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/27/21 00:14	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/27/21 00:14	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/27/21 00:14	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/27/21 00:14	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/27/21 00:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/27/21 00:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/27/21 00:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/27/21 00:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/27/21 00:14	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/27/21 00:14	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/27/21 00:14	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/27/21 00:14	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/27/21 00:14	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/27/21 00:14	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/27/21 00:14	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/27/21 00:14	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/27/21 00:14	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/27/21 00:14	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/27/21 00:14	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/27/21 00:14	1
2-Hexanone	10	U	10	1.1	ug/L			08/27/21 00:14	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/27/21 00:14	1

Client Sample ID: MSA-SW49A-081721

Date Collected: 08/17/21 09:55
Date Received: 08/18/21 09:40

Lab Sample ID: 240-154716-33

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/27/21 00:14	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/27/21 00:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/27/21 00:14	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/27/21 00:14	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/27/21 00:14	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/27/21 00:14	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/27/21 00:14	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/27/21 00:14	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/27/21 00:14	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/27/21 00:14	1
Styrene	1.0	U	1.0	0.45	ug/L			08/27/21 00:14	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/27/21 00:14	1
tert-Butyl alcohol	40	U *+	40	7.2	ug/L			08/27/21 00:14	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/27/21 00:14	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/27/21 00:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/27/21 00:14	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/27/21 00:14	1
Toluene	1.0	U	1.0	0.44	ug/L			08/27/21 00:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/27/21 00:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/27/21 00:14	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/27/21 00:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/27/21 00:14	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/27/21 00:14	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/27/21 00:14	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/27/21 00:14	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/27/21 00:14	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/27/21 00:14	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/27/21 00:14	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/27/21 00:14	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/27/21 00:14	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/27/21 00:14	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/27/21 00:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/27/21 00:14*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*08/27/21 00:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*56 - 136*		*08/27/21 00:14*	*1*
Dibromofluoromethane (Surr)	*95*		*73 - 120*		*08/27/21 00:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*62 - 137*		*08/27/21 00:14*	*1*
Toluene-d8 (Surr)	*88*		*78 - 122*		*08/27/21 00:14*	*1*

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

Analyte	RL	MDL	Units
1,1,1,2-Tetrachloroethane	1.0	0.43	ug/L
1,1,1-Trichloroethane	1.0	0.48	ug/L
1,1,2,2-Tetrachloroethane	1.0	0.60	ug/L
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	0.41	ug/L
1,1-Dichloroethane	1.0	0.47	ug/L
1,1-Dichloroethene	1.0	0.49	ug/L
1,1-Dichloropropene	1.0	0.36	ug/L
1,2,3-Trichlorobenzene	1.0	0.54	ug/L
1,2,3-Trichloropropane	1.0	0.52	ug/L
1,2,3-Trimethylbenzene	5.0	0.31	ug/L
1,2,4-Trichlorobenzene	1.0	0.77	ug/L
1,2,4-Trimethylbenzene	1.0	0.52	ug/L
1,2-Dibromo-3-Chloropropane	2.0	0.91	ug/L
1,2-Dibromoethane	1.0	0.41	ug/L
1,2-Dichlorobenzene	1.0	0.48	ug/L
1,2-Dichloroethane	1.0	0.21	ug/L
1,2-Dichloropropane	1.0	0.47	ug/L
1,3-Dichlorobenzene	1.0	0.45	ug/L
1,3-Dichloropropane	1.0	0.21	ug/L
1,4-Dichlorobenzene	1.0	0.41	ug/L
2,2-Dichloropropane	1.0	0.78	ug/L
2-Butanone	10	1.2	ug/L
2-Chloroethyl vinyl ether	10	1.5	ug/L
2-Chlorotoluene	1.0	0.57	ug/L
2-Hexanone	10	1.1	ug/L
4-Chlorotoluene	1.0	0.43	ug/L
4-Methyl-2-pentanone	10	0.99	ug/L
Acetone	10	5.4	ug/L
Benzene	1.0	0.42	ug/L
Bromobenzene	1.0	0.50	ug/L
Bromochloromethane	1.0	0.54	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	0.59	ug/L
Carbon tetrachloride	1.0	0.26	ug/L
Chlorobenzene	1.0	0.38	ug/L
Chloroethane	1.0	0.83	ug/L
Chloroform	1.0	0.47	ug/L
Chloromethane	1.0	0.63	ug/L
cis-1,2-Dichloroethene	1.0	0.46	ug/L
cis-1,3-Dichloropropene	1.0	0.61	ug/L
Dibromochloromethane	1.0	0.39	ug/L
Dibromomethane	1.0	0.40	ug/L
Dichlorodifluoromethane	1.0	0.35	ug/L
Diisopropyl ether	10	0.17	ug/L
Ethylbenzene	1.0	0.42	ug/L
Ethyl-t-butyl ether (ETBE)	5.0	0.40	ug/L
Hexachlorobutadiene	1.0	0.83	ug/L
Isopropylbenzene	1.0	0.49	ug/L
Methyl tert-butyl ether	1.0	0.47	ug/L
Methylene Chloride	5.0	2.6	ug/L
m-Xylene & p-Xylene	2.0	0.42	ug/L

Default Detection Limits

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-154716-1
SDG: Frog Mortar Creek

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

Analyte	RL	MDL	Units
Naphthalene	1.0	0.80	ug/L
n-Butylbenzene	1.0	0.60	ug/L
n-Propylbenzene	1.0	0.57	ug/L
o-Xylene	1.0	0.42	ug/L
p-Isopropyltoluene	1.0	0.56	ug/L
sec-Butylbenzene	1.0	0.53	ug/L
Styrene	1.0	0.45	ug/L
Tert-amyl-methyl ether (TAME)	5.0	0.43	ug/L
tert-Butyl alcohol	40	7.2	ug/L
tert-Butylbenzene	1.0	0.48	ug/L
Tetrachloroethene	1.0	0.44	ug/L
Toluene	1.0	0.44	ug/L
trans-1,2-Dichloroethene	1.0	0.51	ug/L
trans-1,3-Dichloropropene	1.0	0.67	ug/L
Trichloroethene	1.0	0.44	ug/L
Trichlorofluoromethane	1.0	0.45	ug/L
Vinyl acetate	2.0	0.61	ug/L
Vinyl chloride	1.0	0.45	ug/L
Xylenes, Total	2.0	0.42	ug/L

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-154716-1
SDG: Frog Mortar Creek

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(56-136)	(73-120)	(62-137)	(78-122)
200-59769-B-1 MS	Matrix Spike	97	109	110	95
200-59769-B-1 MSD	Matrix Spike Duplicate	95	108	108	92
240-154707-E-5 MS	Matrix Spike	96	95	100	90
240-154707-H-5 MSD	Matrix Spike Duplicate	95	101	106	90
240-154716-1	MSA-SW37A-081721	97	98	113	94
240-154716-2	MSA-SW37B-081721	98	97	108	91
240-154716-3	MSA-SW37C-081721	99	100	117	95
240-154716-4	MSA-SW37D-081721	90	93	111	91
240-154716-5	MSA-SW38A-081721	94	96	110	89
240-154716-6	MSA-SW38B-081721	96	99	111	92
240-154716-7	MSA-SW38C-081721	99	97	114	93
240-154716-8	MSA-SW38D-081721	98	100	113	94
240-154716-9	MSA-SW40A-081721	97	102	111	92
240-154716-10	MSA-SW40B-081721	98	105	113	93
240-154716-11	MSA-SW40C-081721	100	101	115	95
240-154716-12	MSA-SW40D-081721	97	102	114	93
240-154716-13	MSA-SW41A-081721	98	106	115	94
240-154716-14	MSA-SW41B-081721	94	104	114	91
240-154716-15	MSA-SW41C-081721	98	99	112	93
240-154716-16	MSA-SW41D-081721	92	99	110	92
240-154716-17	MSA-SW42A-081721	95	100	109	93
240-154716-18	MSA-SW42B-081721	100	107	117	95
240-154716-19	MSA-SW42C-081721	95	105	116	93
240-154716-20	MSA-SW42D-081721	92	97	107	89
240-154716-21	MSA-SW43A-081721	103	105	120	97
240-154716-22	MSA-SW43B-081721	91	97	104	88
240-154716-23	MSA-SW43C-081721	99	105	113	92
240-154716-24	MSA-SW43D-081721	99	98	111	93
240-154716-25	MSA-SW44A-081721	100	105	112	93
240-154716-26	MSA-SW44B-081721	103	107	119	94
240-154716-27	MSA-SW44C-081721	103	106	113	94
240-154716-28	MSA-SW44D-081721	98	97	115	92
240-154716-29	TB-081721	103	102	116	96
240-154716-30	MSA-SW46A-081721	94	96	108	89
240-154716-31	MSA-SW47A-081721	98	97	112	95
240-154716-32	MSA-SW48A-081721	96	97	109	91
240-154716-33	MSA-SW49A-081721	92	95	109	88
LCS 240-500502/5	Lab Control Sample	95	104	108	89
LCS 240-500679/5	Lab Control Sample	97	99	107	89
LCS 240-501270/5	Lab Control Sample	97	110	114	93
MB 240-500502/8	Method Blank	101	106	117	98
MB 240-500679/8	Method Blank	103	104	116	98
MB 240-501270/8	Method Blank	102	110	119	95

Surrogate Legend

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

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

Lab Sample ID: MB 240-500502/8
Matrix: Water
Analysis Batch: 500502

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	5.4	ug/L			08/21/21 13:56	1
Benzene	1.0	U	1.0	0.42	ug/L			08/21/21 13:56	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/21/21 13:56	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/21/21 13:56	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/21/21 13:56	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/21/21 13:56	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/21/21 13:56	1
2-Butanone	10	U	10	1.2	ug/L			08/21/21 13:56	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/21/21 13:56	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/21/21 13:56	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/21/21 13:56	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/21/21 13:56	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/21/21 13:56	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/21/21 13:56	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/21/21 13:56	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/21/21 13:56	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/21/21 13:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/21/21 13:56	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/21/21 13:56	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/21/21 13:56	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/21/21 13:56	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/21/21 13:56	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/21/21 13:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/21/21 13:56	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/21/21 13:56	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/21/21 13:56	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/21/21 13:56	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/21/21 13:56	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/21/21 13:56	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/21/21 13:56	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/21/21 13:56	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/21/21 13:56	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/21/21 13:56	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/21/21 13:56	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/21/21 13:56	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/21/21 13:56	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/21/21 13:56	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/21/21 13:56	1
2-Hexanone	10	U	10	1.1	ug/L			08/21/21 13:56	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/21/21 13:56	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/21/21 13:56	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/21/21 13:56	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/21/21 13:56	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/21/21 13:56	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/21/21 13:56	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/21/21 13:56	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/21/21 13:56	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/21/21 13:56	1

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

Lab Sample ID: MB 240-500502/8
Matrix: Water
Analysis Batch: 500502

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/21/21 13:56	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/21/21 13:56	1
Styrene	1.0	U	1.0	0.45	ug/L			08/21/21 13:56	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/21/21 13:56	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/21/21 13:56	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/21/21 13:56	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/21/21 13:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/21/21 13:56	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/21/21 13:56	1
Toluene	1.0	U	1.0	0.44	ug/L			08/21/21 13:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/21/21 13:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/21/21 13:56	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/21/21 13:56	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/21/21 13:56	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/21/21 13:56	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/21/21 13:56	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/21/21 13:56	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/21/21 13:56	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/21/21 13:56	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/21/21 13:56	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/21/21 13:56	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/21/21 13:56	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/21/21 13:56	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/21/21 13:56	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					08/21/21 13:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		56 - 136		08/21/21 13:56	1
Dibromofluoromethane (Surr)	106		73 - 120		08/21/21 13:56	1
1,2-Dichloroethane-d4 (Surr)	117		62 - 137		08/21/21 13:56	1
Toluene-d8 (Surr)	98		78 - 122		08/21/21 13:56	1

Lab Sample ID: LCS 240-500502/5
Matrix: Water
Analysis Batch: 500502

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	55.4		ug/L		138	50 - 149
Benzene	20.0	21.5		ug/L		107	77 - 123
Bromobenzene	20.0	20.2		ug/L		101	80 - 122
Bromochloromethane	20.0	21.7		ug/L		108	71 - 121
Bromodichloromethane	20.0	21.9		ug/L		109	69 - 126
Bromoform	20.0	19.4		ug/L		97	57 - 129
Bromomethane	20.0	18.5		ug/L		93	36 - 142
2-Butanone	40.0	65.5	*+	ug/L		164	54 - 156
Carbon disulfide	20.0	23.0		ug/L		115	43 - 140

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

Lab Sample ID: LCS 240-500502/5
Matrix: Water
Analysis Batch: 500502

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	20.0	22.8		ug/L		114	55 - 137
Chlorobenzene	20.0	19.8		ug/L		99	80 - 121
Chloroethane	20.0	18.2		ug/L		91	38 - 152
2-Chloroethyl vinyl ether	20.0	24.3		ug/L		122	40 - 157
Chloroform	20.0	22.1		ug/L		110	74 - 122
Chloromethane	20.0	19.4		ug/L		97	47 - 143
2-Chlorotoluene	20.0	20.2		ug/L		101	79 - 124
4-Chlorotoluene	20.0	19.9		ug/L		100	80 - 125
cis-1,2-Dichloroethene	20.0	22.2		ug/L		111	77 - 123
cis-1,3-Dichloropropene	20.0	21.0		ug/L		105	64 - 130
Dibromochloromethane	20.0	20.8		ug/L		104	70 - 124
1,2-Dibromo-3-Chloropropane	20.0	21.4		ug/L		107	53 - 135
1,2-Dibromoethane	20.0	20.9		ug/L		104	71 - 134
Dibromomethane	20.0	23.4		ug/L		117	67 - 131
1,2-Dichlorobenzene	20.0	20.4		ug/L		102	78 - 120
1,3-Dichlorobenzene	20.0	20.0		ug/L		100	80 - 120
1,4-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 120
Dichlorodifluoromethane	20.0	22.7		ug/L		114	34 - 153
1,1-Dichloroethane	20.0	21.6		ug/L		108	72 - 127
1,2-Dichloroethane	20.0	21.9		ug/L		110	66 - 128
1,1-Dichloroethene	20.0	21.9		ug/L		109	63 - 134
1,2-Dichloropropane	20.0	21.9		ug/L		110	75 - 133
1,3-Dichloropropane	20.0	20.3		ug/L		101	68 - 139
2,2-Dichloropropane	20.0	22.5		ug/L		112	48 - 142
1,1-Dichloropropene	20.0	21.1		ug/L		106	71 - 124
Ethylbenzene	20.0	20.6		ug/L		103	80 - 121
Hexachlorobutadiene	20.0	21.2		ug/L		106	37 - 162
2-Hexanone	40.0	47.7		ug/L		119	43 - 167
Isopropylbenzene	20.0	20.5		ug/L		103	74 - 128
Methylene Chloride	20.0	20.3		ug/L		102	71 - 125
4-Methyl-2-pentanone	40.0	46.2		ug/L		115	46 - 158
Methyl tert-butyl ether	20.0	21.6		ug/L		108	65 - 126
m-Xylene & p-Xylene	20.0	20.2		ug/L		101	80 - 120
Naphthalene	20.0	21.8		ug/L		109	53 - 138
n-Butylbenzene	20.0	20.5		ug/L		102	62 - 139
n-Propylbenzene	20.0	20.7		ug/L		103	76 - 127
o-Xylene	20.0	20.0		ug/L		100	80 - 123
p-Isopropyltoluene	20.0	20.8		ug/L		104	71 - 132
sec-Butylbenzene	20.0	21.0		ug/L		105	69 - 135
Styrene	20.0	19.9		ug/L		99	80 - 135
tert-Butyl alcohol	200	283		ug/L		141	33 - 153
tert-Butylbenzene	20.0	21.0		ug/L		105	64 - 134
1,1,1,2-Tetrachloroethane	20.0	18.8		ug/L		94	71 - 124
1,1,2,2-Tetrachloroethane	20.0	21.3		ug/L		107	58 - 157
Tetrachloroethene	20.0	21.4		ug/L		107	76 - 123
Toluene	20.0	19.9		ug/L		99	80 - 123
trans-1,2-Dichloroethene	20.0	22.2		ug/L		111	75 - 124
trans-1,3-Dichloropropene	20.0	20.1		ug/L		100	57 - 129
1,2,3-Trichlorobenzene	20.0	20.7		ug/L		104	45 - 149

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

Lab Sample ID: LCS 240-500502/5
Matrix: Water
Analysis Batch: 500502

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	20.0	20.7		ug/L		104	44 - 147
1,1,1-Trichloroethane	20.0	22.4		ug/L		112	64 - 131
Trichloroethene	20.0	20.9		ug/L		104	70 - 122
Trichlorofluoromethane	20.0	20.4		ug/L		102	30 - 170
1,2,3-Trichloropropane	20.0	21.3		ug/L		106	57 - 150
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	22.9		ug/L		115	51 - 146
1,2,4-Trimethylbenzene	20.0	20.9		ug/L		104	77 - 129
Vinyl acetate	20.0	22.0		ug/L		110	44 - 145
Vinyl chloride	20.0	19.7		ug/L		98	60 - 144
Xylenes, Total	40.0	40.2		ug/L		101	80 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*56 - 136*
Dibromofluoromethane (Surr)	*104*		*73 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*62 - 137*
Toluene-d8 (Surr)	*89*		*78 - 122*

Lab Sample ID: MB 240-500679/8
Matrix: Water
Analysis Batch: 500679

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	5.4	ug/L			08/23/21 18:57	1
Benzene	1.0	U	1.0	0.42	ug/L			08/23/21 18:57	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/23/21 18:57	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/23/21 18:57	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/23/21 18:57	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/23/21 18:57	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/23/21 18:57	1
2-Butanone	10	U	10	1.2	ug/L			08/23/21 18:57	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/23/21 18:57	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/23/21 18:57	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/23/21 18:57	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/23/21 18:57	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/23/21 18:57	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/23/21 18:57	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/23/21 18:57	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/23/21 18:57	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/23/21 18:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/23/21 18:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/23/21 18:57	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/23/21 18:57	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/23/21 18:57	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/23/21 18:57	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/23/21 18:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/23/21 18:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/23/21 18:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/21 18:57	1

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

Lab Sample ID: MB 240-500679/8
Matrix: Water
Analysis Batch: 500679

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/23/21 18:57	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/23/21 18:57	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/21 18:57	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/23/21 18:57	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/23/21 18:57	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/23/21 18:57	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/23/21 18:57	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/21 18:57	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/23/21 18:57	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/23/21 18:57	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/23/21 18:57	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/23/21 18:57	1
2-Hexanone	10	U	10	1.1	ug/L			08/23/21 18:57	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/23/21 18:57	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/23/21 18:57	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/23/21 18:57	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/23/21 18:57	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/23/21 18:57	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/23/21 18:57	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/23/21 18:57	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/23/21 18:57	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/23/21 18:57	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/23/21 18:57	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/23/21 18:57	1
Styrene	1.0	U	1.0	0.45	ug/L			08/23/21 18:57	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/23/21 18:57	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/23/21 18:57	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/23/21 18:57	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/23/21 18:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/23/21 18:57	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 18:57	1
Toluene	1.0	U	1.0	0.44	ug/L			08/23/21 18:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/23/21 18:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/23/21 18:57	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/23/21 18:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/23/21 18:57	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/23/21 18:57	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/23/21 18:57	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/23/21 18:57	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/23/21 18:57	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/23/21 18:57	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/23/21 18:57	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/23/21 18:57	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/23/21 18:57	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/23/21 18:57	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/23/21 18:57	1

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

Lab Sample ID: MB 240-500679/8
Matrix: Water
Analysis Batch: 500679

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					08/23/21 18:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		56 - 136		08/23/21 18:57	1
Dibromofluoromethane (Surr)	104		73 - 120		08/23/21 18:57	1
1,2-Dichloroethane-d4 (Surr)	116		62 - 137		08/23/21 18:57	1
Toluene-d8 (Surr)	98		78 - 122		08/23/21 18:57	1

Lab Sample ID: LCS 240-500679/5
Matrix: Water
Analysis Batch: 500679

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	61.5	*+	ug/L		154	50 - 149
Benzene	20.0	20.4		ug/L		102	77 - 123
Bromobenzene	20.0	19.9		ug/L		100	80 - 122
Bromochloromethane	20.0	20.3		ug/L		102	71 - 121
Bromodichloromethane	20.0	21.7		ug/L		108	69 - 126
Bromoform	20.0	20.5		ug/L		102	57 - 129
Bromomethane	20.0	14.3		ug/L		71	36 - 142
2-Butanone	40.0	59.6		ug/L		149	54 - 156
Carbon disulfide	20.0	20.2		ug/L		101	43 - 140
Carbon tetrachloride	20.0	20.3		ug/L		101	55 - 137
Chlorobenzene	20.0	19.3		ug/L		96	80 - 121
Chloroethane	20.0	14.5		ug/L		73	38 - 152
2-Chloroethyl vinyl ether	20.0	26.0		ug/L		130	40 - 157
Chloroform	20.0	20.4		ug/L		102	74 - 122
Chloromethane	20.0	14.3		ug/L		72	47 - 143
2-Chlorotoluene	20.0	19.7		ug/L		98	79 - 124
4-Chlorotoluene	20.0	20.3		ug/L		101	80 - 125
cis-1,2-Dichloroethene	20.0	20.2		ug/L		101	77 - 123
cis-1,3-Dichloropropene	20.0	21.7		ug/L		109	64 - 130
Dibromochloromethane	20.0	21.1		ug/L		105	70 - 124
1,2-Dibromo-3-Chloropropane	20.0	21.9		ug/L		109	53 - 135
1,2-Dibromoethane	20.0	20.6		ug/L		103	71 - 134
Dibromomethane	20.0	23.1		ug/L		115	67 - 131
1,2-Dichlorobenzene	20.0	19.9		ug/L		99	78 - 120
1,3-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 120
1,4-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 120
Dichlorodifluoromethane	20.0	15.3		ug/L		76	34 - 153
1,1-Dichloroethane	20.0	19.4		ug/L		97	72 - 127
1,2-Dichloroethane	20.0	21.8		ug/L		109	66 - 128
1,1-Dichloroethene	20.0	18.9		ug/L		94	63 - 134
1,2-Dichloropropane	20.0	21.4		ug/L		107	75 - 133
1,3-Dichloropropane	20.0	20.7		ug/L		103	68 - 139
2,2-Dichloropropane	20.0	19.5		ug/L		97	48 - 142
1,1-Dichloropropene	20.0	19.8		ug/L		99	71 - 124
Ethylbenzene	20.0	19.7		ug/L		98	80 - 121

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

Lab Sample ID: LCS 240-500679/5
Matrix: Water
Analysis Batch: 500679

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	19.9		ug/L		99	37 - 162
2-Hexanone	40.0	43.1		ug/L		108	43 - 167
Isopropylbenzene	20.0	18.6		ug/L		93	74 - 128
Methylene Chloride	20.0	17.7		ug/L		89	71 - 125
4-Methyl-2-pentanone	40.0	46.1		ug/L		115	46 - 158
Methyl tert-butyl ether	20.0	20.6		ug/L		103	65 - 126
m-Xylene & p-Xylene	20.0	19.4		ug/L		97	80 - 120
Naphthalene	20.0	20.5		ug/L		103	53 - 138
n-Butylbenzene	20.0	19.7		ug/L		99	62 - 139
n-Propylbenzene	20.0	19.6		ug/L		98	76 - 127
o-Xylene	20.0	19.0		ug/L		95	80 - 123
p-Isopropyltoluene	20.0	20.2		ug/L		101	71 - 132
sec-Butylbenzene	20.0	20.0		ug/L		100	69 - 135
Styrene	20.0	19.4		ug/L		97	80 - 135
tert-Butyl alcohol	200	255		ug/L		128	33 - 153
tert-Butylbenzene	20.0	20.7		ug/L		104	64 - 134
1,1,1,2-Tetrachloroethane	20.0	18.3		ug/L		91	71 - 124
1,1,2,2-Tetrachloroethane	20.0	21.3		ug/L		106	58 - 157
Tetrachloroethene	20.0	20.2		ug/L		101	76 - 123
Toluene	20.0	19.1		ug/L		95	80 - 123
trans-1,2-Dichloroethene	20.0	19.1		ug/L		95	75 - 124
trans-1,3-Dichloropropene	20.0	20.7		ug/L		103	57 - 129
1,2,3-Trichlorobenzene	20.0	19.3		ug/L		96	45 - 149
1,2,4-Trichlorobenzene	20.0	19.5		ug/L		98	44 - 147
1,1,1-Trichloroethane	20.0	20.0		ug/L		100	64 - 131
Trichloroethene	20.0	21.4		ug/L		107	70 - 122
Trichlorofluoromethane	20.0	16.1		ug/L		81	30 - 170
1,2,3-Trichloropropane	20.0	21.2		ug/L		106	57 - 150
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	20.3		ug/L		101	51 - 146
1,2,4-Trimethylbenzene	20.0	19.9		ug/L		99	77 - 129
Vinyl acetate	20.0	20.5		ug/L		102	44 - 145
Vinyl chloride	20.0	15.5		ug/L		78	60 - 144
Xylenes, Total	40.0	38.4		ug/L		96	80 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*56 - 136*
Dibromofluoromethane (Surr)	*99*		*73 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*62 - 137*
Toluene-d8 (Surr)	*89*		*78 - 122*

Lab Sample ID: MB 240-501270/8
Matrix: Water
Analysis Batch: 501270

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	5.4	ug/L			08/26/21 20:31	1
Benzene	1.0	U	1.0	0.42	ug/L			08/26/21 20:31	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			08/26/21 20:31	1

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

Lab Sample ID: MB 240-501270/8
Matrix: Water
Analysis Batch: 501270

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	1.0	U	1.0	0.54	ug/L			08/26/21 20:31	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			08/26/21 20:31	1
Bromoform	1.0	U	1.0	0.76	ug/L			08/26/21 20:31	1
Bromomethane	1.0	U	1.0	0.42	ug/L			08/26/21 20:31	1
2-Butanone	10	U	10	1.2	ug/L			08/26/21 20:31	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			08/26/21 20:31	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			08/26/21 20:31	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/26/21 20:31	1
Chloroethane	1.0	U	1.0	0.83	ug/L			08/26/21 20:31	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			08/26/21 20:31	1
Chloroform	1.0	U	1.0	0.47	ug/L			08/26/21 20:31	1
Chloromethane	1.0	U	1.0	0.63	ug/L			08/26/21 20:31	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			08/26/21 20:31	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			08/26/21 20:31	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			08/26/21 20:31	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			08/26/21 20:31	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			08/26/21 20:31	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			08/26/21 20:31	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			08/26/21 20:31	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			08/26/21 20:31	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			08/26/21 20:31	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			08/26/21 20:31	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			08/26/21 20:31	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			08/26/21 20:31	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			08/26/21 20:31	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/26/21 20:31	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			08/26/21 20:31	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			08/26/21 20:31	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			08/26/21 20:31	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			08/26/21 20:31	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/26/21 20:31	1
Diisopropyl ether	10	U	10	0.17	ug/L			08/26/21 20:31	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			08/26/21 20:31	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			08/26/21 20:31	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			08/26/21 20:31	1
2-Hexanone	10	U	10	1.1	ug/L			08/26/21 20:31	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			08/26/21 20:31	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			08/26/21 20:31	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			08/26/21 20:31	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			08/26/21 20:31	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			08/26/21 20:31	1
Naphthalene	1.0	U	1.0	0.80	ug/L			08/26/21 20:31	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			08/26/21 20:31	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			08/26/21 20:31	1
o-Xylene	1.0	U	1.0	0.42	ug/L			08/26/21 20:31	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			08/26/21 20:31	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			08/26/21 20:31	1
Styrene	1.0	U	1.0	0.45	ug/L			08/26/21 20:31	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			08/26/21 20:31	1

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

Lab Sample ID: MB 240-501270/8
Matrix: Water
Analysis Batch: 501270

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol	40	U	40	7.2	ug/L			08/26/21 20:31	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			08/26/21 20:31	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			08/26/21 20:31	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			08/26/21 20:31	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 20:31	1
Toluene	1.0	U	1.0	0.44	ug/L			08/26/21 20:31	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			08/26/21 20:31	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			08/26/21 20:31	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			08/26/21 20:31	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			08/26/21 20:31	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			08/26/21 20:31	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			08/26/21 20:31	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			08/26/21 20:31	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			08/26/21 20:31	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			08/26/21 20:31	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			08/26/21 20:31	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			08/26/21 20:31	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			08/26/21 20:31	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			08/26/21 20:31	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			08/26/21 20:31	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*08/26/21 20:31*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*56 - 136*		*08/26/21 20:31*	*1*
Dibromofluoromethane (Surr)	*110*		*73 - 120*		*08/26/21 20:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*62 - 137*		*08/26/21 20:31*	*1*
Toluene-d8 (Surr)	*95*		*78 - 122*		*08/26/21 20:31*	*1*

Lab Sample ID: LCS 240-501270/5
Matrix: Water
Analysis Batch: 501270

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	71.5	*+	ug/L		179	50 - 149
Benzene	20.0	21.0		ug/L		105	77 - 123
Bromobenzene	20.0	20.1		ug/L		101	80 - 122
Bromochloromethane	20.0	22.3		ug/L		111	71 - 121
Bromodichloromethane	20.0	21.8		ug/L		109	69 - 126
Bromoform	20.0	20.9		ug/L		104	57 - 129
Bromomethane	20.0	16.3		ug/L		81	36 - 142
2-Butanone	40.0	60.1		ug/L		150	54 - 156
Carbon disulfide	20.0	21.8		ug/L		109	43 - 140
Carbon tetrachloride	20.0	21.8		ug/L		109	55 - 137
Chlorobenzene	20.0	19.7		ug/L		99	80 - 121
Chloroethane	20.0	16.2		ug/L		81	38 - 152
2-Chloroethyl vinyl ether	20.0	23.4		ug/L		117	40 - 157

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

Lab Sample ID: LCS 240-501270/5
Matrix: Water
Analysis Batch: 501270

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	21.3		ug/L		107	74 - 122
Chloromethane	20.0	15.6		ug/L		78	47 - 143
2-Chlorotoluene	20.0	20.1		ug/L		100	79 - 124
4-Chlorotoluene	20.0	19.8		ug/L		99	80 - 125
cis-1,2-Dichloroethene	20.0	22.4		ug/L		112	77 - 123
cis-1,3-Dichloropropene	20.0	19.9		ug/L		100	64 - 130
Dibromochloromethane	20.0	21.3		ug/L		106	70 - 124
1,2-Dibromo-3-Chloropropane	20.0	24.2		ug/L		121	53 - 135
1,2-Dibromoethane	20.0	20.1		ug/L		100	71 - 134
Dibromomethane	20.0	24.5		ug/L		122	67 - 131
1,2-Dichlorobenzene	20.0	20.7		ug/L		103	78 - 120
1,3-Dichlorobenzene	20.0	20.0		ug/L		100	80 - 120
1,4-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
Dichlorodifluoromethane	20.0	15.5		ug/L		77	34 - 153
1,1-Dichloroethane	20.0	21.0		ug/L		105	72 - 127
1,2-Dichloroethane	20.0	21.5		ug/L		107	66 - 128
1,1-Dichloroethene	20.0	20.3		ug/L		101	63 - 134
1,2-Dichloropropane	20.0	21.4		ug/L		107	75 - 133
1,3-Dichloropropane	20.0	19.8		ug/L		99	68 - 139
2,2-Dichloropropane	20.0	23.0		ug/L		115	48 - 142
1,1-Dichloropropene	20.0	19.9		ug/L		100	71 - 124
Ethylbenzene	20.0	20.5		ug/L		102	80 - 121
Hexachlorobutadiene	20.0	22.5		ug/L		113	37 - 162
2-Hexanone	40.0	43.2		ug/L		108	43 - 167
Isopropylbenzene	20.0	19.8		ug/L		99	74 - 128
Methylene Chloride	20.0	19.6		ug/L		98	71 - 125
4-Methyl-2-pentanone	40.0	46.4		ug/L		116	46 - 158
Methyl tert-butyl ether	20.0	22.5		ug/L		113	65 - 126
m-Xylene & p-Xylene	20.0	20.0		ug/L		100	80 - 120
Naphthalene	20.0	24.0		ug/L		120	53 - 138
n-Butylbenzene	20.0	20.4		ug/L		102	62 - 139
n-Propylbenzene	20.0	20.2		ug/L		101	76 - 127
o-Xylene	20.0	20.1		ug/L		100	80 - 123
p-Isopropyltoluene	20.0	20.6		ug/L		103	71 - 132
sec-Butylbenzene	20.0	20.1		ug/L		100	69 - 135
Styrene	20.0	19.8		ug/L		99	80 - 135
tert-Butyl alcohol	200	564	*+	ug/L		282	33 - 153
tert-Butylbenzene	20.0	20.3		ug/L		101	64 - 134
1,1,1,2-Tetrachloroethane	20.0	19.5		ug/L		97	71 - 124
1,1,2,2-Tetrachloroethane	20.0	21.7		ug/L		108	58 - 157
Tetrachloroethene	20.0	21.4		ug/L		107	76 - 123
Toluene	20.0	19.6		ug/L		98	80 - 123
trans-1,2-Dichloroethene	20.0	21.3		ug/L		107	75 - 124
trans-1,3-Dichloropropene	20.0	19.2		ug/L		96	57 - 129
1,2,3-Trichlorobenzene	20.0	23.4		ug/L		117	45 - 149
1,2,4-Trichlorobenzene	20.0	22.3		ug/L		111	44 - 147
1,1,1-Trichloroethane	20.0	21.8		ug/L		109	64 - 131
Trichloroethene	20.0	20.4		ug/L		102	70 - 122
Trichlorofluoromethane	20.0	17.5		ug/L		87	30 - 170

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

Lab Sample ID: LCS 240-501270/5
Matrix: Water
Analysis Batch: 501270

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	21.9		ug/L		110	57 - 150		
1,1,2-Trichloro-1,2,2-trichfluoroethane			20.0	21.8		ug/L		109	51 - 146		
1,2,4-Trimethylbenzene			20.0	20.3		ug/L		102	77 - 129		
Vinyl acetate			20.0	19.2		ug/L		96	44 - 145		
Vinyl chloride			20.0	16.9		ug/L		85	60 - 144		
Xylenes, Total			40.0	40.1		ug/L		100	80 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*56 - 136*
Dibromofluoromethane (Surr)	*110*		*73 - 120*
1,2-Dichloroethane-d4 (Surr)	*114*		*62 - 137*
Toluene-d8 (Surr)	*93*		*78 - 122*

GC/MS VOA

Analysis Batch: 500502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-154716-1	MSA-SW37A-081721	Total/NA	Water	8260C	
240-154716-2	MSA-SW37B-081721	Total/NA	Water	8260C	
240-154716-3	MSA-SW37C-081721	Total/NA	Water	8260C	
240-154716-4	MSA-SW37D-081721	Total/NA	Water	8260C	
MB 240-500502/8	Method Blank	Total/NA	Water	8260C	
LCS 240-500502/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 500679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-154716-5	MSA-SW38A-081721	Total/NA	Water	8260C	
240-154716-6	MSA-SW38B-081721	Total/NA	Water	8260C	
240-154716-7	MSA-SW38C-081721	Total/NA	Water	8260C	
240-154716-8	MSA-SW38D-081721	Total/NA	Water	8260C	
240-154716-9	MSA-SW40A-081721	Total/NA	Water	8260C	
240-154716-10	MSA-SW40B-081721	Total/NA	Water	8260C	
240-154716-11	MSA-SW40C-081721	Total/NA	Water	8260C	
240-154716-12	MSA-SW40D-081721	Total/NA	Water	8260C	
240-154716-13	MSA-SW41A-081721	Total/NA	Water	8260C	
240-154716-14	MSA-SW41B-081721	Total/NA	Water	8260C	
240-154716-15	MSA-SW41C-081721	Total/NA	Water	8260C	
240-154716-16	MSA-SW41D-081721	Total/NA	Water	8260C	
240-154716-17	MSA-SW42A-081721	Total/NA	Water	8260C	
240-154716-18	MSA-SW42B-081721	Total/NA	Water	8260C	
240-154716-19	MSA-SW42C-081721	Total/NA	Water	8260C	
240-154716-20	MSA-SW42D-081721	Total/NA	Water	8260C	
240-154716-21	MSA-SW43A-081721	Total/NA	Water	8260C	
240-154716-22	MSA-SW43B-081721	Total/NA	Water	8260C	
240-154716-24	MSA-SW43D-081721	Total/NA	Water	8260C	
MB 240-500679/8	Method Blank	Total/NA	Water	8260C	
LCS 240-500679/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 501270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-154716-23	MSA-SW43C-081721	Total/NA	Water	8260C	
240-154716-25	MSA-SW44A-081721	Total/NA	Water	8260C	
240-154716-26	MSA-SW44B-081721	Total/NA	Water	8260C	
240-154716-27	MSA-SW44C-081721	Total/NA	Water	8260C	
240-154716-28	MSA-SW44D-081721	Total/NA	Water	8260C	
240-154716-29	TB-081721	Total/NA	Water	8260C	
240-154716-30	MSA-SW46A-081721	Total/NA	Water	8260C	
240-154716-31	MSA-SW47A-081721	Total/NA	Water	8260C	
240-154716-32	MSA-SW48A-081721	Total/NA	Water	8260C	
240-154716-33	MSA-SW49A-081721	Total/NA	Water	8260C	
MB 240-501270/8	Method Blank	Total/NA	Water	8260C	
LCS 240-501270/5	Lab Control Sample	Total/NA	Water	8260C	

Client Sample ID: MSA-SW37A-081721
Lab Sample ID: 240-154716-1
Date Collected: 08/17/21 11:18
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500502	08/21/21 20:34	TJL1	TAL CAN

Client Sample ID: MSA-SW37B-081721
Lab Sample ID: 240-154716-2
Date Collected: 08/17/21 11:20
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500502	08/21/21 20:56	TJL1	TAL CAN

Client Sample ID: MSA-SW37C-081721
Lab Sample ID: 240-154716-3
Date Collected: 08/17/21 11:22
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500502	08/21/21 21:19	TJL1	TAL CAN

Client Sample ID: MSA-SW37D-081721
Lab Sample ID: 240-154716-4
Date Collected: 08/17/21 11:25
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500502	08/21/21 21:41	TJL1	TAL CAN

Client Sample ID: MSA-SW38A-081721
Lab Sample ID: 240-154716-5
Date Collected: 08/17/21 10:13
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/23/21 19:18	TJL1	TAL CAN

Client Sample ID: MSA-SW38B-081721
Lab Sample ID: 240-154716-6
Date Collected: 08/17/21 10:15
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/23/21 19:40	TJL1	TAL CAN

Client Sample ID: MSA-SW38C-081721
Lab Sample ID: 240-154716-7
Date Collected: 08/17/21 10:17
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/23/21 20:03	TJL1	TAL CAN

Client Sample ID: MSA-SW38D-081721
Lab Sample ID: 240-154716-8
Date Collected: 08/17/21 10:20
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/23/21 20:25	TJL1	TAL CAN

Client Sample ID: MSA-SW40A-081721
Lab Sample ID: 240-154716-9
Date Collected: 08/17/21 10:55
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/23/21 20:47	TJL1	TAL CAN

Client Sample ID: MSA-SW40B-081721
Lab Sample ID: 240-154716-10
Date Collected: 08/17/21 10:57
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/23/21 21:09	TJL1	TAL CAN

Client Sample ID: MSA-SW40C-081721
Lab Sample ID: 240-154716-11
Date Collected: 08/17/21 11:00
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/23/21 21:31	TJL1	TAL CAN

Client Sample ID: MSA-SW40D-081721
Lab Sample ID: 240-154716-12
Date Collected: 08/17/21 11:02
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/23/21 21:53	TJL1	TAL CAN

Client Sample ID: MSA-SW41A-081721
Lab Sample ID: 240-154716-13
Date Collected: 08/17/21 09:57
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/23/21 22:15	TJL1	TAL CAN

Client Sample ID: MSA-SW41B-081721
Lab Sample ID: 240-154716-14
Date Collected: 08/17/21 10:00
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/23/21 22:37	TJL1	TAL CAN

Client Sample ID: MSA-SW41C-081721
Lab Sample ID: 240-154716-15
Date Collected: 08/17/21 10:02
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/23/21 23:00	TJL1	TAL CAN

Client Sample ID: MSA-SW41D-081721
Lab Sample ID: 240-154716-16
Date Collected: 08/17/21 10:05
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/23/21 23:22	TJL1	TAL CAN

Client Sample ID: MSA-SW42A-081721
Lab Sample ID: 240-154716-17
Date Collected: 08/17/21 11:07
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/23/21 23:44	TJL1	TAL CAN

Client Sample ID: MSA-SW42B-081721
Lab Sample ID: 240-154716-18
Date Collected: 08/17/21 11:10
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/24/21 00:06	TJL1	TAL CAN

Client Sample ID: MSA-SW42C-081721
Lab Sample ID: 240-154716-19
Date Collected: 08/17/21 11:12
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/24/21 00:28	TJL1	TAL CAN

Client Sample ID: MSA-SW42D-081721
Lab Sample ID: 240-154716-20
Date Collected: 08/17/21 11:15
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/24/21 00:50	TJL1	TAL CAN

Client Sample ID: MSA-SW43A-081721
Lab Sample ID: 240-154716-21
Date Collected: 08/17/21 09:43
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/24/21 01:12	TJL1	TAL CAN

Client Sample ID: MSA-SW43B-081721
Lab Sample ID: 240-154716-22
Date Collected: 08/17/21 09:45
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/24/21 01:34	TJL1	TAL CAN

Client Sample ID: MSA-SW43C-081721
Lab Sample ID: 240-154716-23
Date Collected: 08/17/21 09:47
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	501270	08/26/21 20:54	TJL1	TAL CAN

Client Sample ID: MSA-SW43D-081721
Lab Sample ID: 240-154716-24
Date Collected: 08/17/21 09:50
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500679	08/24/21 02:19	TJL1	TAL CAN

Client Sample ID: MSA-SW44A-081721
Lab Sample ID: 240-154716-25
Date Collected: 08/17/21 09:30
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	501270	08/26/21 21:16	TJL1	TAL CAN

Client Sample ID: MSA-SW44B-081721
Lab Sample ID: 240-154716-26
Date Collected: 08/17/21 09:35
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	501270	08/26/21 21:38	TJL1	TAL CAN

Client Sample ID: MSA-SW44C-081721
Lab Sample ID: 240-154716-27
Date Collected: 08/17/21 09:38
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	501270	08/26/21 22:00	TJL1	TAL CAN

Client Sample ID: MSA-SW44D-081721
Lab Sample ID: 240-154716-28
Date Collected: 08/17/21 09:40
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	501270	08/26/21 22:23	TJL1	TAL CAN

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-154716-1
SDG: Frog Mortar Creek

Client Sample ID: TB-081721
Lab Sample ID: 240-154716-29
Date Collected: 08/17/21 00:00
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	501270	08/26/21 22:45	TJL1	TAL CAN

Client Sample ID: MSA-SW46A-081721
Lab Sample ID: 240-154716-30
Date Collected: 08/17/21 11:05
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	501270	08/26/21 23:07	TJL1	TAL CAN

Client Sample ID: MSA-SW47A-081721
Lab Sample ID: 240-154716-31
Date Collected: 08/17/21 10:25
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	501270	08/26/21 23:29	TJL1	TAL CAN

Client Sample ID: MSA-SW48A-081721
Lab Sample ID: 240-154716-32
Date Collected: 08/17/21 10:08
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	501270	08/26/21 23:52	TJL1	TAL CAN

Client Sample ID: MSA-SW49A-081721
Lab Sample ID: 240-154716-33
Date Collected: 08/17/21 09:55
Matrix: Water
Date Received: 08/18/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	501270	08/27/21 00:14	TJL1	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.
Project/Site: MSA Surface Water

Job ID: 240-154716-1
SDG: Frog Mortar Creek

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	02-23-22
Connecticut	State	PH-0590	12-31-21
Florida	NELAP	E87225	06-30-22
Georgia	State	4062	02-23-22
Illinois	NELAP	200004	07-31-22
Iowa	State	421	06-01-23
Kansas	NELAP	E-10336	04-30-22
Kentucky (UST)	State	112225	02-23-22
Kentucky (WW)	State	KY98016	12-31-21
Minnesota	NELAP	OH00048	12-31-21
Minnesota (Petrofund)	State	3506	08-01-23
New Jersey	NELAP	OH001	06-30-22
New York	NELAP	10975	03-31-22
Ohio VAP	State	CL0024	12-21-23
Oregon	NELAP	4062	02-23-22
Pennsylvania	NELAP	68-00340	08-31-22
Texas	NELAP	T104704517-18-10	08-31-21
USDA	US Federal Programs	P330-18-00281	09-17-21
Virginia	NELAP	010101	09-14-21
Washington	State	C971	01-12-22
West Virginia DEP	State	210	12-31-21

Method Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-154716-1
SDG: Frog Mortar Creek

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: 240-154716-1
SDG: Frog Mortar Creek

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-154716-1	MSA-SW37A-081721	Water	08/17/21 11:18	08/18/21 09:40
240-154716-2	MSA-SW37B-081721	Water	08/17/21 11:20	08/18/21 09:40
240-154716-3	MSA-SW37C-081721	Water	08/17/21 11:22	08/18/21 09:40
240-154716-4	MSA-SW37D-081721	Water	08/17/21 11:25	08/18/21 09:40
240-154716-5	MSA-SW38A-081721	Water	08/17/21 10:13	08/18/21 09:40
240-154716-6	MSA-SW38B-081721	Water	08/17/21 10:15	08/18/21 09:40
240-154716-7	MSA-SW38C-081721	Water	08/17/21 10:17	08/18/21 09:40
240-154716-8	MSA-SW38D-081721	Water	08/17/21 10:20	08/18/21 09:40
240-154716-9	MSA-SW40A-081721	Water	08/17/21 10:55	08/18/21 09:40
240-154716-10	MSA-SW40B-081721	Water	08/17/21 10:57	08/18/21 09:40
240-154716-11	MSA-SW40C-081721	Water	08/17/21 11:00	08/18/21 09:40
240-154716-12	MSA-SW40D-081721	Water	08/17/21 11:02	08/18/21 09:40
240-154716-13	MSA-SW41A-081721	Water	08/17/21 09:57	08/18/21 09:40
240-154716-14	MSA-SW41B-081721	Water	08/17/21 10:00	08/18/21 09:40
240-154716-15	MSA-SW41C-081721	Water	08/17/21 10:02	08/18/21 09:40
240-154716-16	MSA-SW41D-081721	Water	08/17/21 10:05	08/18/21 09:40
240-154716-17	MSA-SW42A-081721	Water	08/17/21 11:07	08/18/21 09:40
240-154716-18	MSA-SW42B-081721	Water	08/17/21 11:10	08/18/21 09:40
240-154716-19	MSA-SW42C-081721	Water	08/17/21 11:12	08/18/21 09:40
240-154716-20	MSA-SW42D-081721	Water	08/17/21 11:15	08/18/21 09:40
240-154716-21	MSA-SW43A-081721	Water	08/17/21 09:43	08/18/21 09:40
240-154716-22	MSA-SW43B-081721	Water	08/17/21 09:45	08/18/21 09:40
240-154716-23	MSA-SW43C-081721	Water	08/17/21 09:47	08/18/21 09:40
240-154716-24	MSA-SW43D-081721	Water	08/17/21 09:50	08/18/21 09:40
240-154716-25	MSA-SW44A-081721	Water	08/17/21 09:30	08/18/21 09:40
240-154716-26	MSA-SW44B-081721	Water	08/17/21 09:35	08/18/21 09:40
240-154716-27	MSA-SW44C-081721	Water	08/17/21 09:38	08/18/21 09:40
240-154716-28	MSA-SW44D-081721	Water	08/17/21 09:40	08/18/21 09:40
240-154716-29	TB-081721	Water	08/17/21 00:00	08/18/21 09:40
240-154716-30	MSA-SW46A-081721	Water	08/17/21 11:05	08/18/21 09:40
240-154716-31	MSA-SW47A-081721	Water	08/17/21 10:25	08/18/21 09:40
240-154716-32	MSA-SW48A-081721	Water	08/17/21 10:08	08/18/21 09:40
240-154716-33	MSA-SW49A-081721	Water	08/17/21 09:55	08/18/21 09:40

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Analysis Batch Number: 497502

Lab Sample ID: STD8260 240-497502/10 I Client Sample ID:

Date Analyzed: 07/31/21 11:43 Lab File ID: U1287160.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	4.79	Invalid Compound ID	laveyt	07/31/21 13:25
1,2-Dibromo-3-Chloropropane		Invalid Compound ID	laveyt	07/31/21 13:27
1,2-Dichloroethane-d4 (Surr)		Invalid Compound ID	laveyt	07/31/21 13:57
4-Bromofluorobenzene (Surr)		Invalid Compound ID	laveyt	07/31/21 13:23
Chloromethane		Invalid Compound ID	laveyt	07/31/21 13:24
Dichlorodifluoromethane		Invalid Compound ID	laveyt	07/31/21 13:24
Hexachlorobutadiene		Invalid Compound ID	laveyt	07/31/21 13:28
Methylene Chloride		Invalid Compound ID	laveyt	07/31/21 13:24
n-Heptane		Invalid Compound ID	laveyt	07/31/21 13:26
tert-Butyl alcohol		Invalid Compound ID	laveyt	07/31/21 14:51

Lab Sample ID: STD8260 240-497502/11 I Client Sample ID:

Date Analyzed: 07/31/21 12:05 Lab File ID: U1287161.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.63	Split Peak	laveyt	07/31/21 12:23
n-Heptane		Invalid Compound ID	laveyt	07/31/21 13:32

Lab Sample ID: STD8260 240-497502/12 I Client Sample ID:

Date Analyzed: 07/31/21 12:27 Lab File ID: U1287162.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.58	Split Peak	laveyt	07/31/21 12:51

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Analysis Batch Number: 497502

Lab Sample ID: STD8260 240-497502/13 I Client Sample ID:

Date Analyzed: 07/31/21 12:49 Lab File ID: U1287163.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.63	Split Peak	laveyt	07/31/21 13:17

Lab Sample ID: ICIS 240-497502/14 Client Sample ID:

Date Analyzed: 07/31/21 13:11 Lab File ID: U1287164.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.63	Split Peak	laveyt	07/31/21 13:29

Lab Sample ID: STD8260 240-497502/15 I Client Sample ID:

Date Analyzed: 07/31/21 13:33 Lab File ID: U1287165.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.63	Split Peak	laveyt	07/31/21 13:54

Lab Sample ID: STD8260 240-497502/16 I Client Sample ID:

Date Analyzed: 07/31/21 13:55 Lab File ID: U1287166.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.63	Split Peak	laveyt	07/31/21 14:46

Lab Sample ID: STD8260 240-497502/17 I Client Sample ID:

Date Analyzed: 07/31/21 14:17 Lab File ID: U1287167.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.63	Split Peak	laveyt	07/31/21 14:48

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Analysis Batch Number: 497502

Lab Sample ID: ICV 240-497502/18 Client Sample ID:

Date Analyzed: 07/31/21 14:39 Lab File ID: U1287168.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.63	Split Peak	laveyt	07/31/21 15:03

Lab Sample ID: STDA9 240-497502/21 IC Client Sample ID:

Date Analyzed: 07/31/21 15:46 Lab File ID: U1287171.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Methylnaphthalene	13.63	Invalid Compound ID	laveyt	08/02/21 13:56

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Analysis Batch Number: 500502

Lab Sample ID: CCVIS 240-500502/4 Client Sample ID:

Date Analyzed: 08/21/21 12:28 Lab File ID: U1287551.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.64	Split Peak	laveyt	08/21/21 12:48

Lab Sample ID: LCS 240-500502/5 Client Sample ID:

Date Analyzed: 08/21/21 12:50 Lab File ID: U1287552.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.59	Split Peak	laveyt	08/21/21 13:21

Lab Sample ID: MB 240-500502/8 Client Sample ID:

Date Analyzed: 08/21/21 13:56 Lab File ID: U1287555.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/21/21 14:28

Lab Sample ID: 240-154707-H-5 MSD Client Sample ID:

Date Analyzed: 08/21/21 17:37 Lab File ID: U1287565.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.58	Split Peak	laveyt	08/23/21 13:56

Lab Sample ID: 240-154716-1 Client Sample ID: MSA-SW37A-081721

Date Analyzed: 08/21/21 20:34 Lab File ID: U1287573.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/23/21 13:59

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Analysis Batch Number: 500502

Lab Sample ID: 240-154716-2 Client Sample ID: MSA-SW37B-081721

Date Analyzed: 08/21/21 20:56 Lab File ID: U1287574.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/23/21 13:59

Lab Sample ID: 240-154716-3 Client Sample ID: MSA-SW37C-081721

Date Analyzed: 08/21/21 21:19 Lab File ID: U1287575.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/23/21 14:00

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Analysis Batch Number: 500679

Lab Sample ID: MB 240-500679/8 Client Sample ID:

Date Analyzed: 08/23/21 18:57 Lab File ID: U1287587.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/23/21 19:33
Hexachlorobutadiene		Invalid Compound ID	laveyt	08/23/21 19:33

Lab Sample ID: 240-154716-5 Client Sample ID: MSA-SW38A-081721

Date Analyzed: 08/23/21 19:18 Lab File ID: U1287588.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/23/21 19:41

Lab Sample ID: 240-154716-6 Client Sample ID: MSA-SW38B-081721

Date Analyzed: 08/23/21 19:40 Lab File ID: U1287589.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/23/21 20:38

Lab Sample ID: 240-154716-11 Client Sample ID: MSA-SW40C-081721

Date Analyzed: 08/23/21 21:31 Lab File ID: U1287594.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/25/21 13:18

Lab Sample ID: 240-154716-12 Client Sample ID: MSA-SW40D-081721

Date Analyzed: 08/23/21 21:53 Lab File ID: U1287595.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/25/21 13:18

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Analysis Batch Number: 500679

Lab Sample ID: 240-154716-13 Client Sample ID: MSA-SW41A-081721

Date Analyzed: 08/23/21 22:15 Lab File ID: U1287596.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/25/21 13:19

Lab Sample ID: 240-154716-15 Client Sample ID: MSA-SW41C-081721

Date Analyzed: 08/23/21 23:00 Lab File ID: U1287598.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/25/21 13:20

Lab Sample ID: 240-154716-19 Client Sample ID: MSA-SW42C-081721

Date Analyzed: 08/24/21 00:28 Lab File ID: U1287602.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	08/25/21 13:21

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Analysis Batch Number: 501270

Lab Sample ID: CCVIS 240-501270/4 Client Sample ID:

Date Analyzed: 08/26/21 19:02 Lab File ID: U1287639.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.63	Split Peak	laveyt	08/26/21 19:29

Lab Sample ID: MB 240-501270/8 Client Sample ID:

Date Analyzed: 08/26/21 20:31 Lab File ID: U1287643.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/26/21 20:52
Hexachlorobutadiene		Invalid Compound ID	laveyt	08/26/21 20:52

Lab Sample ID: 240-154716-23 Client Sample ID: MSA-SW43C-081721

Date Analyzed: 08/26/21 20:54 Lab File ID: U1287644.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/26/21 21:19

Lab Sample ID: 240-154716-25 Client Sample ID: MSA-SW44A-081721

Date Analyzed: 08/26/21 21:16 Lab File ID: U1287645.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/26/21 22:19

Lab Sample ID: 240-154716-26 Client Sample ID: MSA-SW44B-081721

Date Analyzed: 08/26/21 21:38 Lab File ID: U1287646.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/26/21 22:19

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Analysis Batch Number: 501270

Lab Sample ID: 240-154716-27 Client Sample ID: MSA-SW44C-081721

Date Analyzed: 08/26/21 22:00 Lab File ID: U1287647.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/26/21 22:19

Lab Sample ID: 240-154716-28 Client Sample ID: MSA-SW44D-081721

Date Analyzed: 08/26/21 22:23 Lab File ID: U1287648.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/27/21 13:19

Lab Sample ID: 240-154716-30 Client Sample ID: MSA-SW46A-081721

Date Analyzed: 08/26/21 23:07 Lab File ID: U1287650.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/27/21 13:21

Lab Sample ID: 240-154716-31 Client Sample ID: MSA-SW47A-081721

Date Analyzed: 08/26/21 23:29 Lab File ID: U1287651.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	08/27/21 13:21

Lab Sample ID: 240-154716-32 Client Sample ID: MSA-SW48A-081721

Date Analyzed: 08/26/21 23:52 Lab File ID: U1287652.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	08/27/21 13:22
4-Methyl-2-pentanone		Invalid Compound ID	laveyt	08/27/21 13:22

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Analysis Batch Number: 501270

Lab Sample ID: 200-59769-B-1 MSD Client Sample ID:

Date Analyzed: 08/27/21 01:42 Lab File ID: U1287657.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.58	Split Peak	laveyt	08/27/21 13:25

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
vm50is_stk_a_00008	08/07/21	02/08/21	MEOH, Lot 258810	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_00009	12/15/21	06/15/21	MEOH, Lot 273166	50 mL	vm30241_00008	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.vm30241_00008	10/31/24		restek, Lot A0154377		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm50ss_00449	08/02/21	07/26/21	MEOH, Lot na	5 mL	vm50ss_stk_00088	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_00088	12/18/21	06/18/21	MEOH, Lot 0000273166	200 mL	VM567650_00035	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_00035	11/30/23		Restek, Lot A0143613		(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_00087	09/08/21	03/08/21	MEOH, Lot 0000258810	200 mL	VM567650_00035	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_00035	11/30/23		Restek, Lot A0143613		(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_00402	07/31/21	07/26/21	MEOH, Lot na	5 mL	VMACROLSTD_00097	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00097	07/31/21	07/08/21	MEOH, Lot 0000273166	20 mL	VM568720_00040	0.25 mL	Acrolein	250 ug/mL
..VM568720_00040	07/31/21		restek, Lot A0161364		(Purchased Reagent)		Acrolein	20000 ug/mL
VMAROLISTDW_00405	08/25/21	08/18/21	MEOH, Lot na	5 mL	VMACROLSTD_00098	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00098	09/02/21	08/02/21	MEOH, Lot 0000273166	20 mL	VM568720_00041	0.25 mL	Acrolein	250 ug/mL
..VM568720_00041	07/31/22		restek, Lot A0168111		(Purchased Reagent)		Acrolein	20000 ug/mL
VMAROLISTDW_00406	09/02/21	08/26/21	MEOH, Lot na	5 mL	VMACROLSTD_00098	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00098	09/02/21	08/02/21	MEOH, Lot 0000273166	20 mL	VM568720_00041	0.25 mL	Acrolein	250 ug/mL
..VM568720_00041	07/31/22		restek, Lot A0168111		(Purchased Reagent)		Acrolein	20000 ug/mL
vmbfb_00027							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00328	08/04/21	07/28/21	MEOH, Lot NA	5 mL	VMFASA9_00026	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
							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_00026	11/03/21	05/03/21	MEOH, Lot 0000273166	100 mL	VM569727S_00004	2 mL	Cyclohexanone	500 ug/mL
					vm570806S_00006	4 mL	Pentachloroethane	100 ug/mL
					vm570807S_00006	4 mL	2-Methylnaphthalene	100 ug/mL
					VM570808S_00010	2 mL	1,2,3-Trimethylbenzene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					VM570809S_00009	2 mL	Ethyl acetate	100 ug/mL
							Methyl methacrylate	100 ug/mL
					VM571993S_00008	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_00004	01/31/22		RESTEK, Lot A0144966		(Purchased Reagent)		Cyclohexanone	25000 ug/mL
..vm570806S_00006	02/29/24		Restek, Lot A0146080		(Purchased Reagent)		Pentachloroethane	2500 ug/mL
..vm570807S_00006	12/31/23		Restek, Lot A0144306		(Purchased Reagent)		2-Methylnaphthalene	2500 ug/mL
..VM570808S_00010	02/28/22		Restek, Lot A0163851		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
..VM570809S_00009	11/30/21		Restek, Lot A0160820		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
..VM571993S_00008	10/31/22		restek, Lot A0165034		(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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VMFASAW_00383	08/02/21	07/26/21	MEOH, Lot NA	5 mL	VMFASA_00071	5 mL	Acrolein	250 ug/mL
.VMFASA_00071	09/30/21	06/12/21	MEOH, Lot 0000273166	100 mL	VM568720S_00038	1.25 mL	Acrolein	250 ug/mL
..VM568720S_00038	09/30/21		restek, Lot A0159281		(Purchased Reagent)		Acrolein	20000 ug/mL
VMFASGW_00418	08/05/21	07/29/21	MEOH, Lot NA	5 mL	VMFASG_00108	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_00108	08/13/21	07/13/21	MEOH, Lot 0000273166	100 mL	vm569722S_00008	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_00008	04/30/23		Restek, Lot A0159768		(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_00420	08/21/21	08/14/21	MEOH, Lot NA	5 mL	VMFASG_00109	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_00109	09/14/21	08/14/21	MEOH, Lot 0000273166	100 mL	vm569722S_00008	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_00008	04/30/23		Restek, Lot A0159768		(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_00421	08/29/21	08/22/21	MEOH, Lot NA	5 mL	VMFASG_00109	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_00109	09/14/21	08/14/21	MEOH, Lot 0000273166	100 mL	vm569722S_00008	2 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
..vm569722S_00008	04/30/23		Restek, Lot A0159768		(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_00408	08/02/21	07/26/21	MEOH, Lot n/a	5 mL	VMRFASP_00076	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
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00076	09/30/21	07/01/21	MEOH, Lot 0000273166	100 mL	VM569721S_00006	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_00009	2 mL	2-Chloroethyl vinyl ether	50 ug/mL
					VM569724S_00029	1 mL	Vinyl acetate	50 ug/mL
					VM571992S_00008	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00006	11/30/21		Restek, Lot A0143456		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723S_00009	09/30/22		Restek, Lot A0153415		(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_00008	06/30/23		Restek, Lot A0167172		(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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00411	08/26/21	08/19/21	MEOH, Lot n/a	5 mL	VMRFASP_00076	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

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-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
.VMRFASP_00076	09/30/21	07/01/21	MEOH, Lot 0000273166	100 mL	VM569721S_00006	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_00009	2 mL	2-Chloroethyl vinyl ether	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VM569724S_00029	1 mL	Vinyl acetate	50 ug/mL
					VM571992S_00008	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
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00006	11/30/21		Restek, Lot A0143456		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723S_00009	09/30/22		Restek, Lot A0153415		(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_00008	06/30/23		Restek, Lot A0167172		(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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00400	08/02/21	07/26/21	MEOH, Lot NA	5 mL	VMRA9_00035	5 mL	Cyclohexanone	500 ug/mL
							Pentachloroethane	100 ug/mL
							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
							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_00035	12/31/21	07/01/21	MEOH, Lot 0000273166	50 mL	VM569727_00005	1 mL	Cyclohexanone	500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					vm570806_00005	2 mL	Pentachloroethane	100 ug/mL
					vm570807_00005	2 mL	1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
					VM570808_00007	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_00009	1 mL	Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL
					VM571993_00004	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_00005	02/28/23		RESTEK, Lot A0158129		(Purchased Reagent)		Cyclohexanone	25000 ug/mL
..vm570806_00005	08/31/23		Restek, Lot A0140938		(Purchased Reagent)		Pentachloroethane	2500 ug/mL
..vm570807_00005	04/30/22		Restek, Lot A0126478		(Purchased Reagent)		1-Methylnaphthalene	2500 ug/mL
							2-Methylnaphthalene	2500 ug/mL
..VM570808_00007	12/31/21		Restek, Lot A0162183		(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_00009	01/31/22		Restek, Lot A0163113		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Ethyl acrylate	2500 ug/mL
							Methyl methacrylate	5000 ug/mL
							n-Butyl acetate	2500 ug/mL
..VM571993_00004	03/31/22		restek, Lot A0158947		(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_00403	08/26/21	08/19/21	MEOH, Lot NA	5 mL	VMRA9_00035	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

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SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
.VMRA9_00035	12/31/21	07/01/21	MEOH, Lot 0000273166	50 mL	VM569727_00005	1 mL	Cyclohexanone	500 ug/mL
					vm570806_00005	2 mL	Pentachloroethane	100 ug/mL
					vm570807_00005	2 mL	2-Methylnaphthalene	100 ug/mL
					VM570808_00007	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					VM570809_00009	1 mL	Ethyl acetate	100 ug/mL
							Methyl methacrylate	100 ug/mL
					VM571993_00004	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_00005	02/28/23		RESTEK, Lot A0158129		(Purchased Reagent)		Cyclohexanone	25000 ug/mL
..vm570806_00005	08/31/23		Restek, Lot A0140938		(Purchased Reagent)		Pentachloroethane	2500 ug/mL
..vm570807_00005	04/30/22		Restek, Lot A0126478		(Purchased Reagent)		2-Methylnaphthalene	2500 ug/mL
..VM570808_00007	12/31/21		Restek, Lot A0162183		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
..VM570809_00009	01/31/22		Restek, Lot A0163113		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
..VM571993_00004	03/31/22		restek, Lot A0158947		(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_00394	08/04/21	07/28/21	MEOH, Lot 0000273166	10 mL	vm569722_00019	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_00019	03/31/23		Restek, Lot A0159085		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL

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SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
VMRGAS_00397	08/28/21	08/21/21	MEOH, Lot 0000273166	10 mL	vm569722_00019	0.2 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
.vm569722_00019	03/31/23		Restek, Lot A0159085		(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
vmrprimw_00445	07/31/21	07/25/21	MEOH, Lot NA	5 mL	VMRPRIM_00051	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
							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

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SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VMRPRIM_00051	07/31/21	07/01/21	MEOH, Lot 0000273166	50 mL	VM569721_00007	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_00009	2 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00024	0.5 mL	Vinyl acetate	50 ug/mL
					VM571992_00005	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
							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

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SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00007	09/30/22		Restek, Lot A0152956		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723_00009	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_00005	10/31/22		Restek, Lot A0159680		(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

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SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.: Frog Mortar Creek

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
							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_00445	07/31/21	07/25/21	MEOH, Lot NA	5 mL	VMRPRIM_00051	5 mL	Total BTEX	250 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
.VMRPRIM_00051	07/31/21	07/01/21	MEOH, Lot 0000273166	50 mL	VM571992_00005	1 mL	Total BTEX	250 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
..VM571992_00005	10/31/22		Restek, Lot A0159680		(Purchased Reagent)		Total BTEX	12500 ug/mL
							Trihalomethanes, Total	10000 ug/mL
							Xylenes, Total	5000 ug/mL
VMRPRIMW_00448	08/25/21	08/18/21	MEOH, Lot NA	5 mL	VMRPRIM_00052	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-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

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SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
.VMRPRIM_00052	10/31/21	08/02/21	MEOH, Lot 0000273166	50 mL	VM569721_00007	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_00009	2 mL	2-Chloroethyl vinyl ether	100 ug/mL

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SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VM569724_00025	0.5 mL	Vinyl acetate	50 ug/mL
					VM571992_00005	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-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
							n-Butylbenzene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
..VM569721_00007	09/30/22		Restek, Lot A0152956		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723_00009	02/28/22		restek, Lot A0146250		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724_00025	10/31/21		Restek, Lot A0160321		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992_00005	10/31/22		Restek, Lot A0159680		(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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

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
							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
VMRPRIMW_00449	09/02/21	08/26/21	MEOH, Lot NA	5 mL	VMRPRIM_00052	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

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-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
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
.VMRPRIM_00052	10/31/21	08/02/21	MEOH, Lot 0000273166	50 mL	VM569721_00007	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_00009	2 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00025	0.5 mL	Vinyl acetate	50 ug/mL
					VM571992_00005	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-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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
..VM569721_00007	09/30/22		Restek, Lot A0152956		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723_00009	02/28/22		restek, Lot A0146250		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724_00025	10/31/21		Restek, Lot A0160321		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992_00005	10/31/22		Restek, Lot A0159680		(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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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

Reagent

vm30026_00003

Rec: 11/28/18
VM30026-00063

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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.:** 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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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_00035

Rec: 12/4/19
VM567650_00035

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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. : 567650 **Lot No.:** A0143613

Description : 8260 Surrogate Standard

8260 Surrogate Standard 2,500µg/mL, P&T Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2023 **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 0012017) **Purity** 99%	2,506.4 µg/mL	+/- 14.5724 µg/mL +/- 140.5314 µg/mL +/- 143.8196 µg/mL	Gravimetric Unstressed Stressed
2	1,2-Dichloroethane-d4 **CAS #** 17060-07-0 (Lot PR-29377) **Purity** 99%	2,503.8 µg/mL	+/- 14.5570 µg/mL +/- 140.3828 µg/mL +/- 143.6676 µg/mL	Gravimetric Unstressed Stressed
3	Toluene-d8 **CAS #** 2037-26-5 (Lot PR-27311) **Purity** 99%	2,512.2 µg/mL	+/- 14.6059 µg/mL +/- 140.8538 µg/mL +/- 144.1496 µg/mL	Gravimetric Unstressed Stressed
4	1-Bromo-4-fluorobenzene (BFB) **CAS #** 460-00-4 (Lot 20401KO) **Purity** 99%	2,501.8 µg/mL	+/- 14.5457 µg/mL +/- 140.2734 µg/mL +/- 143.5557 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM568720_00040

Rc'd 9/17/20 VM 568720_ 00040

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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.:** A0156859

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 : 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	Acrolein		19,830.0 µg/mL	+/-	116.1090	µg/mL	Gravimetric
	CAS # 107-02-8	(Lot D0012019-1219)		+/-	396.1504	µg/mL	Unstressed
	Purity 99%			+/-	888.7531	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM568720_00041

Rec'd 7/7/21 VM568720 — 00041

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Catalog No. : 568720 **Lot No.:** A0168111

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 : July 31, 2022 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acrolein		19,912.5 µg/mL	+/- 116.5921	µg/mL	Gravimetric
	CAS # 107-02-8	(Lot RP200811)		+/- 397.7985	µg/mL	Unstressed
	Purity 99%			+/- 892.4506	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM568720S_00038

Rec: 12/2/20
VMS68720S - 00038

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Catalog No. : 568720.SEC **Lot No.:** A0159281

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, 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	19,756.8 µg/mL	+/- 115.6804 µg/mL	Gravimetric
	CAS # 107-02-8.SEC (Lot CS-D0310)		+/- 394.6881 µg/mL	Unstressed
	Purity 99%		+/- 885.4724 µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM569721_00007

Rec: 2-21-20

VM569721-00007

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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. : 569721 **Lot No.:** A0152956

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 : September 30, 2022 **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 SHBK6362) **Purity** 99%	12,546.0 µg/mL	+/- 73.4596 +/- 757.0057 +/- 758.8027	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	2-Butanone (MEK) **CAS #** 78-93-3 (Lot SHBK5945) **Purity** 99%	12,564.0 µg/mL	+/- 73.5650 +/- 758.0918 +/- 759.8914	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	4-Methyl-2-pentanone (MIBK) **CAS #** 108-10-1 (Lot SHBK5017) **Purity** 99%	12,558.0 µg/mL	+/- 73.5299 +/- 757.7297 +/- 759.5285	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	2-Hexanone **CAS #** 591-78-6 (Lot MKCD9048) **Purity** 99%	12,562.0 µg/mL	+/- 73.5533 +/- 757.9711 +/- 759.7704	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

VM569721S_00006

Rec: 2-25-20

VM569721S-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.SEC **Lot No.:** A0143456

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 : 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	Acetone	12,524.5 µg/mL	+/- 72.8185	µg/mL	Gravimetric
	CAS # 67-64-1.SEC (Lot U13B039)		+/- 755.6586	µg/mL	Unstressed
	Purity 99%		+/- 757.4526	µg/mL	Stressed
2	2-Butanone (MEK)	12,527.8 µg/mL	+/- 72.8374	µg/mL	Gravimetric
	CAS # 78-93-3.SEC (Lot RGZ2A)		+/- 755.8547	µg/mL	Unstressed
	Purity 99%		+/- 757.6492	µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	12,515.3 µg/mL	+/- 72.7647	µg/mL	Gravimetric
	CAS # 108-10-1.SEC (Lot E29T040)		+/- 755.1005	µg/mL	Unstressed
	Purity 99%		+/- 756.8932	µg/mL	Stressed
4	2-Hexanone	12,516.8 µg/mL	+/- 72.7738	µg/mL	Gravimetric
	CAS # 591-78-6.SEC (Lot Y3TUO)		+/- 755.1943	µg/mL	Unstressed
	Purity 98%		+/- 756.9873	µg/mL	Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

vm569722_00019

Rec: 1/20/21
VMS69722_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. : 569722 **Lot No.:** A0159085

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, 2023 **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)	2,502.3 µg/mL	+/- 16.4178 µg/mL	Gravimetric
	CAS # 75-71-8 (Lot 00012554)		+/- 140.5076 µg/mL	Unstressed
	Purity 99%		+/- 143.7858 µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,500.6 µg/mL	+/- 16.3299 µg/mL	Gravimetric
	CAS # 74-87-3 (Lot SHBK6571)		+/- 140.4038 µg/mL	Unstressed
	Purity 99%		+/- 143.6799 µg/mL	Stressed
3	Vinyl chloride	2,500.2 µg/mL	+/- 17.2154 µg/mL	Gravimetric
	CAS # 75-01-4 (Lot 00015559)		+/- 140.4890 µg/mL	Unstressed
	Purity 99%		+/- 143.7623 µg/mL	Stressed
4	1,3-Butadiene	2,500.7 µg/mL	+/- 17.6652 µg/mL	Gravimetric
	CAS # 106-99-0 (Lot SHBK2299)		+/- 140.5681 µg/mL	Unstressed
	Purity 99%		+/- 143.8406 µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,501.2 µg/mL	+/- 16.4034 µg/mL	Gravimetric
	CAS # 74-83-9 (Lot 101604)		+/- 140.4450 µg/mL	Unstressed
	Purity 99%		+/- 143.7217 µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,500.3 µg/mL	+/- 17.7279 µg/mL	Gravimetric
	CAS # 75-00-3 (Lot 107-401039114-1)		+/- 140.5555 µg/mL	Unstressed
	Purity 99%		+/- 143.8274 µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,500.0 µg/mL	+/- 14.5352 µg/mL	Gravimetric
	CAS # 75-43-4 (Lot 8582700)		+/- 140.1725 µg/mL	Unstressed
	Purity 99%		+/- 143.4524 µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,501.4	µg/mL	+/-	16.0800	µg/mL	Gravimetric
	CAS # 75-69-4	(Lot MKCJ8658)			+/-	140.4203	µg/mL	Unstressed
	Purity 99%				+/-	143.6982	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)

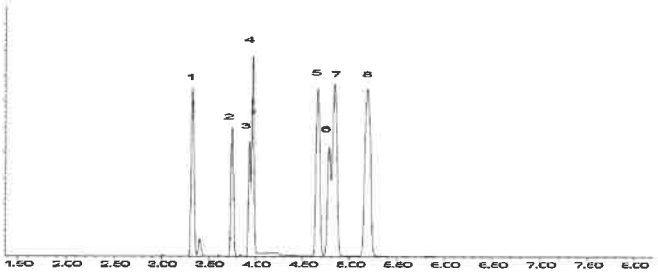
Carrier Gas:
helium-constant pressure 30 psi

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: 23-Mar-2020 **Balance:** B707717271

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 26-Mar-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

vm569722S_00008

Rec: 7/17/20
VM569722S-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. : 569722.SEC **Lot No.:** A0159768

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 : April 30, 2023 **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)	2,501.8 µg/mL	+/- 19.9803	µg/mL	Gravimetric
	CAS # 75-71-8.SEC (Lot 26165)		+/- 140.9385	µg/mL	Unstressed
	Purity 99%		+/- 144.2054	µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,510.1 µg/mL	+/- 18.7758	µg/mL	Gravimetric
	CAS # 74-87-3.SEC (Lot 18343)		+/- 141.2337	µg/mL	Unstressed
	Purity 99%		+/- 144.5155	µg/mL	Stressed
3	Vinyl chloride	2,518.3 µg/mL	+/- 19.4159	µg/mL	Gravimetric
	CAS # 75-01-4.SEC (Lot MKBK6872V)		+/- 141.7727	µg/mL	Unstressed
	Purity 99%		+/- 145.0634	µg/mL	Stressed
4	1,3-Butadiene	2,510.8 µg/mL	+/- 17.5328	µg/mL	Gravimetric
	CAS # 106-99-0.SEC (Lot 24033)		+/- 141.1137	µg/mL	Unstressed
	Purity 99%		+/- 144.4001	µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,506.4 µg/mL	+/- 23.4232	µg/mL	Gravimetric
	CAS # 74-83-9.SEC (Lot 00017022)		+/- 141.7223	µg/mL	Unstressed
	Purity 99%		+/- 144.9835	µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,523.5 µg/mL	+/- 21.4589	µg/mL	Gravimetric
	CAS # 75-00-3.SEC (Lot 00004202)		+/- 142.3524	µg/mL	Unstressed
	Purity 99%		+/- 145.6434	µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,500.0 µg/mL	+/- 14.5352	µg/mL	Gravimetric
	CAS # 75-43-4 * (Lot 4938100)		+/- 140.1725	µg/mL	Unstressed
	Purity 99%		+/- 143.4524	µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)		2,496.5	µg/mL	+/-	17.7311	µg/mL	Gravimetric
	CAS # 75-69-4.SEC	(Lot 253600)			+/-	140.3462	µg/mL	Unstressed
	Purity 99%				+/-	143.6131	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)

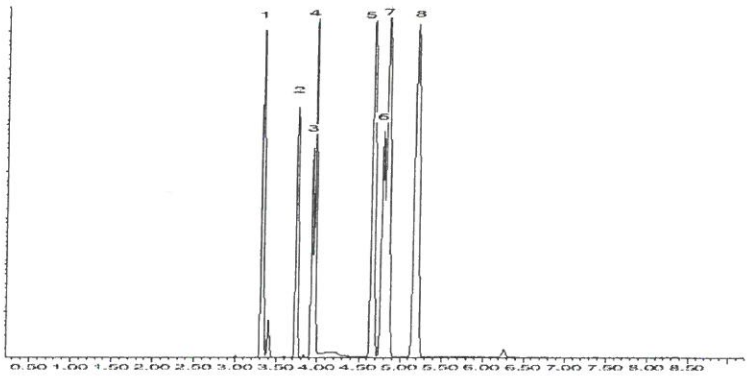
Carrier Gas:
helium-constant pressure 30 psi

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.

Brandon Reish - Mix Technician

Date Mixed: 09-Apr-2020 **Balance:** 1127510105

Feng-Yun Lo - QC Analyst

Date Passed: 24-Apr-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

VM569723_00009

Rec: 2-21-20

VM569723_00009

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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 **CAS #** 110-75-8 (Lot MKBS6526V) **Purity** 99%	2,500.0 µg/mL	+/- 14.5352 +/- 53.5253 +/- 55.0814	µg/mL µg/mL 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

VM569723S_00009

VM569723S-00009

Rec: 2-21-20

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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.:** A0153415

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 : September 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-Chloroethyl vinyl ether	2,503.3 µg/mL	+/- 14.6910	µg/mL	Gravimetric
	CAS # 110-75-8.SEC (Lot BQZ2K-QD)		+/- 53.6339	µg/mL	Unstressed
	Purity 99%		+/- 55.1910	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_00024

Rcd 4-20-20 VM569724_00024

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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. : 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

VM569724_00025

Rec: 12/2/20
VM569724_00025

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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.:** A0160321

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, 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%

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: 4/20/19 VM5697245_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. : 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_00005

Rec: 12/2/20
VM569727_00005

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Catalog No. : 569727 **Lot No.:** A0158129

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 : February 28, 2023 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Cyclohexanone	25,040.0 µg/mL	+/- 146.6147 µg/mL	Gravimetric
	CAS # 108-94-1 (Lot MKBZ8847V)		+/- 1,510.8738 µg/mL	Unstressed
	Purity 99%		+/- 1,514.4604 µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM569727S_00004

Rec: 9/9/19 (14)
VM569727S - 0004

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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_00005

Rec: 6/19/19
VMS70806_00005

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Catalog No. : 570806 **Lot No.:** A0140938

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 : 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	Pentachloroethane	2,501.0 µg/mL	+/- 14.6773	µg/mL	Gravimetric
	CAS # 76-01-7 (Lot L7GVM)		+/- 140.2428	µg/mL	Unstressed
	Purity 99%		+/- 143.5236	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm570806S_00006

Rcld 10-13-20 VH5708765_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. : 570806.SEC **Lot No.:** A0146080

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 : February 29, 2024 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Pentachloroethane	2,502.7 µg/mL	+/- 14.6871	µg/mL	Gravimetric
	CAS # 76-01-7.SEC (Lot 5854000)		+/- 140.3362	µg/mL	Unstressed
	Purity 99%		+/- 143.6193	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm570807_00005

Rev: 4/19/14

VM570807_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. : 570807 **Lot No.:** A0126478

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 (Lot STBF0201V) **Purity** 95%	2,501.4 µg/mL	+/- 14.6793 µg/mL +/- 140.2624 µg/mL +/- 143.5437 µg/mL	Gravimetric Unstressed Stressed
2	1-Methylnaphthalene **CAS #** 90-12-0 (Lot 523400-9) **Purity** 98%	2,505.9 µg/mL	+/- 14.7058 µg/mL +/- 140.5153 µg/mL +/- 143.8025 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm570807S_00006

Rcld 10-13-20 VM5708075_ 00006

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Catalog No. : 570807.SEC **Lot No.:** A0144306

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 : December 31, 2023 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Methylnaphthalene	2,505.4 µg/mL	+/- 14.7029	µg/mL	Gravimetric
	CAS # 91-57-6.SEC (Lot 76023-1)		+/- 140.4878	µg/mL	Unstressed
	Purity 98%		+/- 143.7744	µg/mL	Stressed
2	1-Methylnaphthalene	2,511.0 µg/mL	+/- 14.7360	µg/mL	Gravimetric
	CAS # 90-12-0.SEC (Lot OEE3F)		+/- 140.8035	µg/mL	Unstressed
	Purity 99%		+/- 144.0975	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM570808_00007

Rec: 4/16/21
VMS70808_0007

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Catalog No. : 570808 **Lot No.:** A0162183

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 : December 31, 2021 **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 SHBL2068) **Purity** 99%	25,052.0 µg/mL	+/- 146.6850 µg/mL +/- 1,239.3901 µg/mL +/- 1,270.2026 µg/mL	Gravimetric Unstressed Stressed
2	Chloroprene (2-chloro-1,3-butadiene) **CAS #** 126-99-8 (Lot 200520JLM) **Purity** 99%	2,507.5 µg/mL	+/- 14.7154 µg/mL +/- 124.0568 µg/mL +/- 127.1407 µg/mL	Gravimetric Unstressed Stressed
3	Methacrylonitrile **CAS #** 126-98-7 (Lot 1012019) **Purity** 99%	25,046.0 µg/mL	+/- 146.6498 µg/mL +/- 1,239.0932 µg/mL +/- 1,269.8984 µg/mL	Gravimetric Unstressed Stressed
4	2,2,4-Trimethylpentane (isooctane) **CAS #** 540-84-1 (Lot SHBF8066V) **Purity** 99%	2,519.0 µg/mL	+/- 14.7829 µg/mL +/- 124.6257 µg/mL +/- 127.7238 µg/mL	Gravimetric Unstressed Stressed
5	1-Butanol **CAS #** 71-36-3 (Lot SHBL0546) **Purity** 99%	62,559.5 µg/mL	+/- 366.2807 µg/mL +/- 3,094.9851 µg/mL +/- 3,171.9298 µg/mL	Gravimetric Unstressed Stressed
6	2-Nitropropane **CAS #** 79-46-9 (Lot BCCB9352) **Purity** 97%	5,022.2 µg/mL	+/- 29.4059 µg/mL +/- 248.4606 µg/mL +/- 254.6375 µg/mL	Gravimetric Unstressed Stressed
7	1-Chlorohexane **CAS #** 544-10-5 (Lot BCBS3368V) **Purity** 98%	2,502.4 µg/mL	+/- 14.6857 µg/mL +/- 123.8059 µg/mL +/- 126.8837 µg/mL	Gravimetric Unstressed Stressed

8	1,2,3-Trimethylbenzene **CAS #** 526-73-8 **Purity** 99%	(Lot 8776.10-14)	2,515.5	µg/mL	+/- 14.7624 +/- 124.4526 +/- 127.5464	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Benzyl chloride **CAS #** 100-44-7 **Purity** 99%	(Lot SHBH2102V)	2,506.0	µg/mL	+/- 14.7066 +/- 123.9825 +/- 127.0647	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	1,3,5-Trichlorobenzene **CAS #** 108-70-3 **Purity** 99%	(Lot 11319AS)	2,502.5	µg/mL	+/- 14.6861 +/- 123.8094 +/- 126.8872	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)

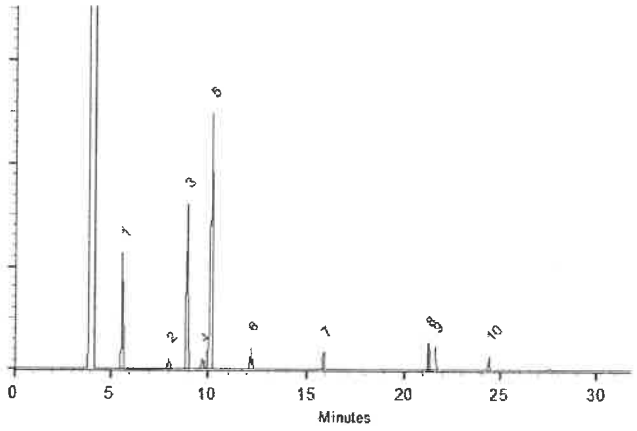
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Clara Windle - Operations Technician I

Date Mixed: 29-Jun-2020 **Balance:** B251644995

Justine Albertson - Operations Tech-ARM QC

Date Passed: 02-Jul-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

VM570808S_00010

Rec: 3/22/21
VM570808S-00010

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Catalog No. : 570808.SEC **Lot No.:** A0163851

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 : February 28, 2022 **Storage:** 0°C or colder

Ship: Ambient

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 TFT5I) **Purity** 99%	25,018.5 µg/mL	+/- 146.4888 µg/mL +/- 1,237.7327 µg/mL +/- 1,268.5041 µg/mL	Gravimetric Unstressed Stressed
2	Chloroprene (2-chloro-1,3-butadiene) **CAS #** 126-99-8 * (Lot 200520JLM) **Purity** 99%	2,502.0 µg/mL	+/- 14.6831 µg/mL +/- 123.7846 µg/mL +/- 126.8619 µg/mL	Gravimetric Unstressed Stressed
3	Methacrylonitrile **CAS #** 126-98-7 * (Lot 1012014) **Purity** 99%	25,009.0 µg/mL	+/- 146.4332 µg/mL +/- 1,237.2627 µg/mL +/- 1,268.0224 µg/mL	Gravimetric Unstressed Stressed
4	2,2,4-Trimethylpentane (Isooctane) **CAS #** 540-84-1.SEC (Lot 8014900) **Purity** 99%	2,503.5 µg/mL	+/- 14.6919 µg/mL +/- 123.8589 µg/mL +/- 126.9379 µg/mL	Gravimetric Unstressed Stressed
5	1-Butanol **CAS #** 71-36-3.SEC (Lot 6B6UL) **Purity** 99%	62,545.0 µg/mL	+/- 366.1958 µg/mL +/- 3,094.2678 µg/mL +/- 3,171.1946 µg/mL	Gravimetric Unstressed Stressed
6	2-Nitropropane **CAS #** 79-46-9.SEC (Lot Y4YWD) **Purity** 98%	5,014.7 µg/mL	+/- 29.3619 µg/mL +/- 248.0888 µg/mL +/- 254.2565 µg/mL	Gravimetric Unstressed Stressed
7	1-Chlorohexane **CAS #** 544-10-5.SEC (Lot 8171700) **Purity** 99%	2,501.5 µg/mL	+/- 14.6802 µg/mL +/- 123.7599 µg/mL +/- 126.8365 µg/mL	Gravimetric Unstressed Stressed

8	1,2,3-Trimethylbenzene		2,503.1	µg/mL	+/-	14.6895	µg/mL	Gravimetric
	CAS # 526-73-8.SEC	(Lot 8658900)			+/-	123.8383	µg/mL	Unstressed
	Purity 97%				+/-	126.9169	µg/mL	Stressed
9	Benzyl chloride		2,502.5	µg/mL	+/-	14.6861	µg/mL	Gravimetric
	CAS # 100-44-7.SEC	(Lot H29N03)			+/-	123.8094	µg/mL	Unstressed
	Purity 99%				+/-	126.8872	µg/mL	Stressed
10	1,3,5-Trichlorobenzene		2,502.0	µg/mL	+/-	14.6831	µg/mL	Gravimetric
	CAS # 108-70-3.SEC	(Lot I28U021)			+/-	123.7846	µg/mL	Unstressed
	Purity 99%				+/-	126.8619	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.**

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

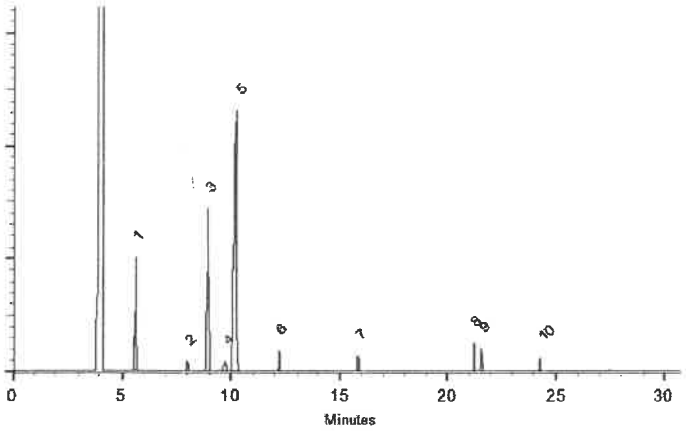
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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: 25-Aug-2020 **Balance:** 1128342314

Justine Albertson - Operations Tech-ARM QC

Date Passed: 28-Aug-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

VM570809_00009

Rec'd 6/19/21 VM570809_00009

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Catalog No. : 570809 Lot No.: A0163113

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 : January 31, 2022 Storage: 0°C or colder

Ship: Ambient

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 SHBL1336)	5,034.5	µg/mL	+/- 29.4781 +/- 303.7737 +/- 304.4948	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	Ethyl acrylate CAS # 140-88-5 Purity 99%	(Lot 10129902)	2,517.0	µg/mL	+/- 14.7712 +/- 151.8750 +/- 152.2356	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	Methyl methacrylate CAS # 80-62-6 Purity 99%	(Lot MKCK0733)	5,016.5	µg/mL	+/- 29.3727 +/- 302.6876 +/- 303.4062	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	Butyl acetate CAS # 123-86-4 Purity 99%	(Lot SHBK5137)	2,513.5	µg/mL	+/- 14.7506 +/- 151.6638 +/- 152.0239	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM570809S_00009

Rc'd 10/13/20 VM 5708095_ 00009

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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.:** A0160820

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 : 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	Ethyl acetate **CAS #** 141-78-6.SEC (Lot C386A-GG) **Purity** 99%	5,004.5 µg/mL	+/- 29.3024 µg/mL +/- 301.9636 µg/mL +/- 302.6804 µg/mL	Gravimetric Unstressed Stressed
2	Ethyl acrylate **CAS #** 140-88-5.SEC (Lot YIFAM-TG) **Purity** 99%	2,500.5 µg/mL	+/- 14.6743 µg/mL +/- 150.8794 µg/mL +/- 151.2376 µg/mL	Gravimetric Unstressed Stressed
3	Methyl methacrylate **CAS #** 80-62-6.SEC (Lot G01X021) **Purity** 99%	5,018.0 µg/mL	+/- 29.3815 µg/mL +/- 302.7781 µg/mL +/- 303.4969 µg/mL	Gravimetric Unstressed Stressed
4	Butyl acetate **CAS #** 123-86-4.SEC (Lot V2L2G-GT) **Purity** 99%	2,501.5 µg/mL	+/- 14.6802 µg/mL +/- 150.9398 µg/mL +/- 151.2981 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM571992_00005

Rc'd 4/19/21 VM571992_00005

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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.:** A0159680

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 : October 31, 2022 **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 SHBK7710) **Purity** 99%	2,518.8 µg/mL	+/- 14.6442 µg/mL +/- 151.9673 µg/mL +/- 152.3281 µg/mL		Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1 (Lot 00016133) **Purity** 99%	2,523.8 µg/mL	+/- 14.6733 µg/mL +/- 152.2690 µg/mL +/- 152.6305 µg/mL		Gravimetric Unstressed Stressed
3	1,1-dichloroethene **CAS #** 75-35-4 (Lot SHBK2437) **Purity** 99%	2,517.5 µg/mL	+/- 14.6370 µg/mL +/- 151.8919 µg/mL +/- 152.2525 µg/mL		Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0 (Lot SHBL0592) **Purity** 99%	25,122.1 µg/mL	+/- 146.0546 µg/mL +/- 1,515.7284 µg/mL +/- 1,519.3270 µg/mL		Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9 (Lot SHBK5436) **Purity** 99%	5,041.4 µg/mL	+/- 29.3110 µg/mL +/- 304.1685 µg/mL +/- 304.8906 µg/mL		Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4 (Lot D4406-0122JM) **Purity** 99%	2,520.5 µg/mL	+/- 14.6544 µg/mL +/- 152.0729 µg/mL +/- 152.4340 µg/mL		Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1 (Lot 191118KJ) **Purity** 99%	2,521.0 µg/mL	+/- 14.6573 µg/mL +/- 152.1031 µg/mL +/- 152.4642 µg/mL		Gravimetric Unstressed Stressed

Reagent

VM571992S_00008

Rec'd 6/10/21 VM571992S 00058

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Catalog No. : 571992.SEC **Lot No.:** A0167172

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, 2023 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Nominal Concentration (weight/volume)	Expanded Uncertainty (95% C.L., k=2)		
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7.SEC (Lot F23X068) **Purity** 99%	2,501.7 µg/mL	+/- 14.5449 +/- 150.9366 +/- 151.2950	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%	2,500.8 µg/mL	+/- 14.5401 +/- 150.8864 +/- 151.2446	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	1,1-Dichloroethene **CAS #** 75-35-4.SEC (Lot 7692300) **Purity** 99%	2,501.2 µg/mL	+/- 14.5420 +/- 150.9065 +/- 151.2647	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0.SEC (Lot HGCHN) **Purity** 99%	25,001.2 µg/mL	+/- 145.3513 +/- 1,508.4304 +/- 1,512.0117	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9.SEC (Lot UCNEL) **Purity** 99%	5,000.2 µg/mL	+/- 29.0714 +/- 301.6822 +/- 302.3985	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4.SEC (Lot Y25A027) **Purity** 99%	2,501.0 µg/mL	+/- 14.5410 +/- 150.8964 +/- 151.2547	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1.SEC (Lot H3HGC) **Purity** 99%	2,501.7 µg/mL	+/- 14.5449 +/- 150.9366 +/- 151.2950	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Reagent

VM571993_00004

Rec: 6-11-20
VM571993_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. : 571993 **Lot No.:** A0158947

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 : 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	Acetonitrile **CAS #** 75-05-8 (Lot SHBH6233) **Purity** 99%	25,021.3 µg/mL	+/- 146.5054 µg/mL +/- 1,237.8729 µg/mL +/- 1,268.6477 µg/mL		Gravimetric Unstressed Stressed
2	Diisopropyl ether (DIPE) **CAS #** 108-20-3 (Lot SHBH1927V) **Purity** 99%	2,503.7 µg/mL	+/- 14.6929 µg/mL +/- 123.8671 µg/mL +/- 126.9464 µg/mL		Gravimetric Unstressed Stressed
3	Ethyl-tert-butyl ether (ETBE) **CAS #** 637-92-3 (Lot MKCG1429) **Purity** 99%	2,502.3 µg/mL	+/- 14.6851 µg/mL +/- 123.8011 µg/mL +/- 126.8788 µg/mL		Gravimetric Unstressed Stressed
4	Propionitrile **CAS #** 107-12-0 (Lot BCBW0865) **Purity** 99%	25,038.0 µg/mL	+/- 146.6030 µg/mL +/- 1,238.6975 µg/mL +/- 1,269.4928 µg/mL		Gravimetric Unstressed Stressed
5	tert-Amyl alcohol **CAS #** 75-85-4 (Lot STBG1140V) **Purity** 99%	25,036.7 µg/mL	+/- 146.5952 µg/mL +/- 1,238.6315 µg/mL +/- 1,269.4252 µg/mL		Gravimetric Unstressed Stressed
6	tert-Amyl methyl ether (TAME) **CAS #** 994-05-8 (Lot HMBG6382V) **Purity** 99%	2,502.7 µg/mL	+/- 14.6871 µg/mL +/- 123.8176 µg/mL +/- 126.8957 µg/mL		Gravimetric Unstressed Stressed

Reagent

VM571993S_00008

Rec: 3/22/21

VM571993S_00008

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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.:** A0165034

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 : October 31, 2022 **Storage:** 0°C or colder

Ship: Ambient

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%	25,064.0 µg/mL	+/- 146.7552 µg/mL +/- 1,239.9837 µg/mL +/- 1,270.8110 µg/mL	Gravimetric Unstressed Stressed
2	Diisopropyl ether (DIPE) **CAS #** 108-20-3.SEC (Lot LL7TN-SH) **Purity** 99%	2,523.0 µg/mL	+/- 14.8064 µg/mL +/- 124.8236 µg/mL +/- 127.9267 µg/mL	Gravimetric Unstressed Stressed
3	Ethyl-tert-butyl ether (ETBE) **CAS #** 637-92-3.SEC (Lot UCI5B) **Purity** 98%	2,502.9 µg/mL	+/- 14.6885 µg/mL +/- 123.8302 µg/mL +/- 126.9085 µg/mL	Gravimetric Unstressed Stressed
4	Propionitrile **CAS #** 107-12-0.SEC (Lot SASVN) **Purity** 99%	25,061.0 µg/mL	+/- 146.7377 µg/mL +/- 1,239.8353 µg/mL +/- 1,270.6589 µg/mL	Gravimetric Unstressed Stressed
5	tert-Amyl alcohol **CAS #** 75-85-4.SEC (Lot D87JO) **Purity** 99%	25,080.0 µg/mL	+/- 146.8489 µg/mL +/- 1,240.7753 µg/mL +/- 1,271.6223 µg/mL	Gravimetric Unstressed Stressed
6	tert-Amyl methyl ether (TAME) **CAS #** 994-05-8.SEC (Lot 8471400) **Purity** 99%	2,519.0 µg/mL	+/- 14.7829 µg/mL +/- 124.6257 µg/mL +/- 127.7238 µg/mL	Gravimetric Unstressed 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.: 240-154716-1

SDG No.: Frog Mortar Creek

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-081721	240-154716-1	98	113	94	97
MSA-SW37B-081721	240-154716-2	97	108	91	98
MSA-SW37C-081721	240-154716-3	100	117	95	99
MSA-SW37D-081721	240-154716-4	93	111	91	90
MSA-SW38A-081721	240-154716-5	96	110	89	94
MSA-SW38B-081721	240-154716-6	99	111	92	96
MSA-SW38C-081721	240-154716-7	97	114	93	99
MSA-SW38D-081721	240-154716-8	100	113	94	98
MSA-SW40A-081721	240-154716-9	102	111	92	97
MSA-SW40B-081721	240-154716-10	105	113	93	98
MSA-SW40C-081721	240-154716-11	101	115	95	100
MSA-SW40D-081721	240-154716-12	102	114	93	97
MSA-SW41A-081721	240-154716-13	106	115	94	98
MSA-SW41B-081721	240-154716-14	104	114	91	94
MSA-SW41C-081721	240-154716-15	99	112	93	98
MSA-SW41D-081721	240-154716-16	99	110	92	92
MSA-SW42A-081721	240-154716-17	100	109	93	95
MSA-SW42B-081721	240-154716-18	107	117	95	100
MSA-SW42C-081721	240-154716-19	105	116	93	95
MSA-SW42D-081721	240-154716-20	97	107	89	92
MSA-SW43A-081721	240-154716-21	105	120	97	103
MSA-SW43B-081721	240-154716-22	97	104	88	91
MSA-SW43C-081721	240-154716-23	105	113	92	99
MSA-SW43D-081721	240-154716-24	98	111	93	99
MSA-SW44A-081721	240-154716-25	105	112	93	100
MSA-SW44B-081721	240-154716-26	107	119	94	103
MSA-SW44C-081721	240-154716-27	106	113	94	103
MSA-SW44D-081721	240-154716-28	97	115	92	98
TB-081721	240-154716-29	102	116	96	103
MSA-SW46A-081721	240-154716-30	96	108	89	94
MSA-SW47A-081721	240-154716-31	97	112	95	98
MSA-SW48A-081721	240-154716-32	97	109	91	96
MSA-SW49A-081721	240-154716-33	95	109	88	92
	MB 240-500502/8	106	117	98	101
	MB 240-500679/8	104	116	98	103

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	73-120
DCA = 1,2-Dichloroethane-d4 (Surr)	62-137
TOL = Toluene-d8 (Surr)	78-122
BFB = 4-Bromofluorobenzene (Surr)	56-136

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	MB 240-501270/8	110	119	95	102
	LCS 240-500502/5	104	108	89	95
	LCS 240-500679/5	99	107	89	97
	LCS 240-501270/5	110	114	93	97
	240-154707-E-5 MS	95	100	90	96
	200-59769-B-1 MS	109	110	95	97
	240-154707-H-5 MSD	101	106	90	95
	200-59769-B-1 MSD	108	108	92	95

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	73-120
DCA = 1,2-Dichloroethane-d4 (Surr)	62-137
TOL = Toluene-d8 (Surr)	78-122
BFB = 4-Bromofluorobenzene (Surr)	56-136

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287552.D

Lab ID: LCS 240-500502/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	55.4	138	50-149	
Benzene	20.0	21.5	107	77-123	
Bromobenzene	20.0	20.2	101	80-122	
Bromochloromethane	20.0	21.7	108	71-121	
Bromodichloromethane	20.0	21.9	109	69-126	
Bromoform	20.0	19.4	97	57-129	
Bromomethane	20.0	18.5	93	36-142	
2-Butanone	40.0	65.5	164	54-156	*+
Carbon disulfide	20.0	23.0	115	43-140	
Carbon tetrachloride	20.0	22.8	114	55-137	
Chlorobenzene	20.0	19.8	99	80-121	
Chloroethane	20.0	18.2	91	38-152	
2-Chloroethyl vinyl ether	20.0	24.3	122	40-157	
Chloroform	20.0	22.1	110	74-122	
Chloromethane	20.0	19.4	97	47-143	
2-Chlorotoluene	20.0	20.2	101	79-124	
4-Chlorotoluene	20.0	19.9	100	80-125	
cis-1,2-Dichloroethene	20.0	22.2	111	77-123	
cis-1,3-Dichloropropene	20.0	21.0	105	64-130	
Dibromochloromethane	20.0	20.8	104	70-124	
1,2-Dibromo-3-Chloropropane	20.0	21.4	107	53-135	
1,2-Dibromoethane	20.0	20.9	104	71-134	
Dibromomethane	20.0	23.4	117	67-131	
1,2-Dichlorobenzene	20.0	20.4	102	78-120	
1,3-Dichlorobenzene	20.0	20.0	100	80-120	
1,4-Dichlorobenzene	20.0	19.6	98	80-120	
Dichlorodifluoromethane	20.0	22.7	114	34-153	
1,1-Dichloroethane	20.0	21.6	108	72-127	
1,2-Dichloroethane	20.0	21.9	110	66-128	
1,1-Dichloroethene	20.0	21.9	109	63-134	
1,2-Dichloropropane	20.0	21.9	110	75-133	
1,3-Dichloropropane	20.0	20.3	101	68-139	
2,2-Dichloropropane	20.0	22.5	112	48-142	
1,1-Dichloropropene	20.0	21.1	106	71-124	
Ethylbenzene	20.0	20.6	103	80-121	
Hexachlorobutadiene	20.0	21.2	106	37-162	
2-Hexanone	40.0	47.7	119	43-167	
Isopropylbenzene	20.0	20.5	103	74-128	
Methylene Chloride	20.0	20.3	102	71-125	
4-Methyl-2-pentanone	40.0	46.2	115	46-158	
Methyl tert-butyl ether	20.0	21.6	108	65-126	
m-Xylene & p-Xylene	20.0	20.2	101	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287552.D

Lab ID: LCS 240-500502/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	21.8	109	53-138	
n-Butylbenzene	20.0	20.5	102	62-139	
n-Propylbenzene	20.0	20.7	103	76-127	
o-Xylene	20.0	20.0	100	80-123	
p-Isopropyltoluene	20.0	20.8	104	71-132	
sec-Butylbenzene	20.0	21.0	105	69-135	
Styrene	20.0	19.9	99	80-135	
tert-Butyl alcohol	200	283	141	33-153	
tert-Butylbenzene	20.0	21.0	105	64-134	
1,1,1,2-Tetrachloroethane	20.0	18.8	94	71-124	
1,1,2,2-Tetrachloroethane	20.0	21.3	107	58-157	
Tetrachloroethene	20.0	21.4	107	76-123	
Toluene	20.0	19.9	99	80-123	
trans-1,2-Dichloroethene	20.0	22.2	111	75-124	
trans-1,3-Dichloropropene	20.0	20.1	100	57-129	
1,2,3-Trichlorobenzene	20.0	20.7	104	45-149	
1,2,4-Trichlorobenzene	20.0	20.7	104	44-147	
1,1,1-Trichloroethane	20.0	22.4	112	64-131	
Trichloroethene	20.0	20.9	104	70-122	
Trichlorofluoromethane	20.0	20.4	102	30-170	
1,2,3-Trichloropropane	20.0	21.3	106	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	22.9	115	51-146	
1,2,4-Trimethylbenzene	20.0	20.9	104	77-129	
Vinyl acetate	20.0	22.0	110	44-145	
Vinyl chloride	20.0	19.7	98	60-144	
Xylenes, Total	40.0	40.2	101	80-121	

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287584.D

Lab ID: LCS 240-500679/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	61.5	154	50-149	*+
Benzene	20.0	20.4	102	77-123	
Bromobenzene	20.0	19.9	100	80-122	
Bromochloromethane	20.0	20.3	102	71-121	
Bromodichloromethane	20.0	21.7	108	69-126	
Bromoform	20.0	20.5	102	57-129	
Bromomethane	20.0	14.3	71	36-142	
2-Butanone	40.0	59.6	149	54-156	
Carbon disulfide	20.0	20.2	101	43-140	
Carbon tetrachloride	20.0	20.3	101	55-137	
Chlorobenzene	20.0	19.3	96	80-121	
Chloroethane	20.0	14.5	73	38-152	
2-Chloroethyl vinyl ether	20.0	26.0	130	40-157	
Chloroform	20.0	20.4	102	74-122	
Chloromethane	20.0	14.3	72	47-143	
2-Chlorotoluene	20.0	19.7	98	79-124	
4-Chlorotoluene	20.0	20.3	101	80-125	
cis-1,2-Dichloroethene	20.0	20.2	101	77-123	
cis-1,3-Dichloropropene	20.0	21.7	109	64-130	
Dibromochloromethane	20.0	21.1	105	70-124	
1,2-Dibromo-3-Chloropropane	20.0	21.9	109	53-135	
1,2-Dibromoethane	20.0	20.6	103	71-134	
Dibromomethane	20.0	23.1	115	67-131	
1,2-Dichlorobenzene	20.0	19.9	99	78-120	
1,3-Dichlorobenzene	20.0	19.6	98	80-120	
1,4-Dichlorobenzene	20.0	19.6	98	80-120	
Dichlorodifluoromethane	20.0	15.3	76	34-153	
1,1-Dichloroethane	20.0	19.4	97	72-127	
1,2-Dichloroethane	20.0	21.8	109	66-128	
1,1-Dichloroethene	20.0	18.9	94	63-134	
1,2-Dichloropropane	20.0	21.4	107	75-133	
1,3-Dichloropropane	20.0	20.7	103	68-139	
2,2-Dichloropropane	20.0	19.5	97	48-142	
1,1-Dichloropropene	20.0	19.8	99	71-124	
Ethylbenzene	20.0	19.7	98	80-121	
Hexachlorobutadiene	20.0	19.9	99	37-162	
2-Hexanone	40.0	43.1	108	43-167	
Isopropylbenzene	20.0	18.6	93	74-128	
Methylene Chloride	20.0	17.7	89	71-125	
4-Methyl-2-pentanone	40.0	46.1	115	46-158	
Methyl tert-butyl ether	20.0	20.6	103	65-126	
m-Xylene & p-Xylene	20.0	19.4	97	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287584.D

Lab ID: LCS 240-500679/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	20.5	103	53-138	
n-Butylbenzene	20.0	19.7	99	62-139	
n-Propylbenzene	20.0	19.6	98	76-127	
o-Xylene	20.0	19.0	95	80-123	
p-Isopropyltoluene	20.0	20.2	101	71-132	
sec-Butylbenzene	20.0	20.0	100	69-135	
Styrene	20.0	19.4	97	80-135	
tert-Butyl alcohol	200	255	128	33-153	
tert-Butylbenzene	20.0	20.7	104	64-134	
1,1,1,2-Tetrachloroethane	20.0	18.3	91	71-124	
1,1,2,2-Tetrachloroethane	20.0	21.3	106	58-157	
Tetrachloroethene	20.0	20.2	101	76-123	
Toluene	20.0	19.1	95	80-123	
trans-1,2-Dichloroethene	20.0	19.1	95	75-124	
trans-1,3-Dichloropropene	20.0	20.7	103	57-129	
1,2,3-Trichlorobenzene	20.0	19.3	96	45-149	
1,2,4-Trichlorobenzene	20.0	19.5	98	44-147	
1,1,1-Trichloroethane	20.0	20.0	100	64-131	
Trichloroethene	20.0	21.4	107	70-122	
Trichlorofluoromethane	20.0	16.1	81	30-170	
1,2,3-Trichloropropane	20.0	21.2	106	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	20.3	101	51-146	
1,2,4-Trimethylbenzene	20.0	19.9	99	77-129	
Vinyl acetate	20.0	20.5	102	44-145	
Vinyl chloride	20.0	15.5	78	60-144	
Xylenes, Total	40.0	38.4	96	80-121	

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287640.D

Lab ID: LCS 240-501270/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	71.5	179	50-149	*+
Benzene	20.0	21.0	105	77-123	
Bromobenzene	20.0	20.1	101	80-122	
Bromochloromethane	20.0	22.3	111	71-121	
Bromodichloromethane	20.0	21.8	109	69-126	
Bromoform	20.0	20.9	104	57-129	
Bromomethane	20.0	16.3	81	36-142	
2-Butanone	40.0	60.1	150	54-156	
Carbon disulfide	20.0	21.8	109	43-140	
Carbon tetrachloride	20.0	21.8	109	55-137	
Chlorobenzene	20.0	19.7	99	80-121	
Chloroethane	20.0	16.2	81	38-152	
2-Chloroethyl vinyl ether	20.0	23.4	117	40-157	
Chloroform	20.0	21.3	107	74-122	
Chloromethane	20.0	15.6	78	47-143	
2-Chlorotoluene	20.0	20.1	100	79-124	
4-Chlorotoluene	20.0	19.8	99	80-125	
cis-1,2-Dichloroethene	20.0	22.4	112	77-123	
cis-1,3-Dichloropropene	20.0	19.9	100	64-130	
Dibromochloromethane	20.0	21.3	106	70-124	
1,2-Dibromo-3-Chloropropane	20.0	24.2	121	53-135	
1,2-Dibromoethane	20.0	20.1	100	71-134	
Dibromomethane	20.0	24.5	122	67-131	
1,2-Dichlorobenzene	20.0	20.7	103	78-120	
1,3-Dichlorobenzene	20.0	20.0	100	80-120	
1,4-Dichlorobenzene	20.0	19.4	97	80-120	
Dichlorodifluoromethane	20.0	15.5	77	34-153	
1,1-Dichloroethane	20.0	21.0	105	72-127	
1,2-Dichloroethane	20.0	21.5	107	66-128	
1,1-Dichloroethene	20.0	20.3	101	63-134	
1,2-Dichloropropane	20.0	21.4	107	75-133	
1,3-Dichloropropane	20.0	19.8	99	68-139	
2,2-Dichloropropane	20.0	23.0	115	48-142	
1,1-Dichloropropene	20.0	19.9	100	71-124	
Ethylbenzene	20.0	20.5	102	80-121	
Hexachlorobutadiene	20.0	22.5	113	37-162	
2-Hexanone	40.0	43.2	108	43-167	
Isopropylbenzene	20.0	19.8	99	74-128	
Methylene Chloride	20.0	19.6	98	71-125	
4-Methyl-2-pentanone	40.0	46.4	116	46-158	
Methyl tert-butyl ether	20.0	22.5	113	65-126	
m-Xylene & p-Xylene	20.0	20.0	100	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287640.D

Lab ID: LCS 240-501270/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	24.0	120	53-138	
n-Butylbenzene	20.0	20.4	102	62-139	
n-Propylbenzene	20.0	20.2	101	76-127	
o-Xylene	20.0	20.1	100	80-123	
p-Isopropyltoluene	20.0	20.6	103	71-132	
sec-Butylbenzene	20.0	20.1	100	69-135	
Styrene	20.0	19.8	99	80-135	
tert-Butyl alcohol	200	564	282	33-153	*+
tert-Butylbenzene	20.0	20.3	101	64-134	
1,1,1,2-Tetrachloroethane	20.0	19.5	97	71-124	
1,1,2,2-Tetrachloroethane	20.0	21.7	108	58-157	
Tetrachloroethene	20.0	21.4	107	76-123	
Toluene	20.0	19.6	98	80-123	
trans-1,2-Dichloroethene	20.0	21.3	107	75-124	
trans-1,3-Dichloropropene	20.0	19.2	96	57-129	
1,2,3-Trichlorobenzene	20.0	23.4	117	45-149	
1,2,4-Trichlorobenzene	20.0	22.3	111	44-147	
1,1,1-Trichloroethane	20.0	21.8	109	64-131	
Trichloroethene	20.0	20.4	102	70-122	
Trichlorofluoromethane	20.0	17.5	87	30-170	
1,2,3-Trichloropropane	20.0	21.9	110	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	21.8	109	51-146	
1,2,4-Trimethylbenzene	20.0	20.3	102	77-129	
Vinyl acetate	20.0	19.2	96	44-145	
Vinyl chloride	20.0	16.9	85	60-144	
Xylenes, Total	40.0	40.1	100	80-121	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287564.D

Lab ID: 240-154707-E-5 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acetone	40.0	10 U	47.4	118	33-149	
Benzene	20.0	1.0 U	20.5	102	64-128	
Bromobenzene	20.0	1.0 U	20.5	103	77-120	
Bromochloromethane	20.0	1.0 U	19.0	95	65-124	
Bromodichloromethane	20.0	1.0 U	20.6	103	62-125	
Bromoform	20.0	1.0 U	18.8	94	47-125	
Bromomethane	20.0	1.0 U	15.8	79	28-150	
2-Butanone	40.0	10 U	55.0	137	40-151	
Carbon tetrachloride	20.0	1.0 U	19.3	96	51-133	
Chlorobenzene	20.0	1.0 U	19.7	99	74-121	
Chloroethane	20.0	1.0 U	16.2	81	10-199	
Chloroform	20.0	1.0 U	19.7	98	70-122	
Chloromethane	20.0	1.0 U	17.3	86	32-149	
2-Chlorotoluene	20.0	1.0 U	19.9	100	75-120	
4-Chlorotoluene	20.0	1.0 U	20.7	103	75-120	
cis-1,2-Dichloroethene	20.0	1.0 U	19.8	99	66-128	
cis-1,3-Dichloropropene	20.0	1.0 U	20.6	103	47-125	
Dibromochloromethane	20.0	1.0 U	20.2	101	65-120	
1,2-Dibromo-3-Chloropropane	20.0	2.0 U	20.2	101	41-129	
1,2-Dibromoethane	20.0	1.0 U	21.0	105	69-125	
Dibromomethane	20.0	1.0 U	21.4	107	64-126	
1,2-Dichlorobenzene	20.0	1.0 U	20.2	101	73-120	
1,3-Dichlorobenzene	20.0	1.0 U	19.7	98	73-120	
1,4-Dichlorobenzene	20.0	1.0 U	19.6	98	74-120	
Dichlorodifluoromethane	20.0	1.0 U	17.4	87	38-139	
1,1-Dichloroethane	20.0	1.0 U	19.0	95	68-125	
1,2-Dichloroethane	20.0	1.0 U	20.9	105	63-126	
1,1-Dichloroethene	20.0	1.0 U	18.2	91	56-135	
1,2-Dichloropropane	20.0	1.0 U	20.8	104	69-130	
1,3-Dichloropropane	20.0	1.0 U	21.0	105	72-122	
2,2-Dichloropropane	20.0	1.0 U	19.4	97	38-145	
1,1-Dichloropropene	20.0	1.0 U	19.7	99	59-125	
Ethylbenzene	20.0	1.0 U	20.1	101	67-127	
Hexachlorobutadiene	20.0	1.0 U	19.1	95	24-165	
Isopropylbenzene	20.0	1.0 U	18.6	93	64-129	
Methylene Chloride	20.0	5.0 U	17.4	87	62-129	
4-Methyl-2-pentanone	40.0	10 U	41.3	103	31-153	
Methyl tert-butyl ether	20.0	1.0 U	19.3	97	47-134	
m-Xylene & p-Xylene	20.0	2.0 U	19.3	97	71-123	
Naphthalene	20.0	1.0 U	20.8	104	49-139	
n-Butylbenzene	20.0	1.0 U	20.0	100	51-134	
n-Propylbenzene	20.0	1.0 U	20.8	104	67-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287564.D

Lab ID: 240-154707-E-5 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
o-Xylene	20.0	1.0 U	18.8	94	70-125	
p-Isopropyltoluene	20.0	1.0 U	20.1	101	64-128	
sec-Butylbenzene	20.0	1.0 U	20.6	103	62-130	
Styrene	20.0	1.0 U	19.7	99	70-139	
tert-Butylbenzene	20.0	1.0 U	21.4	107	47-140	
1,1,1,2-Tetrachloroethane	20.0	1.0 U	17.7	89	68-121	
1,1,2,2-Tetrachloroethane	20.0	1.0 U	21.7	108	54-145	
Tetrachloroethene	20.0	1.0 U	20.2	101	62-131	
Toluene	20.0	1.0 U	20.0	100	58-135	
trans-1,2-Dichloroethene	20.0	1.0 U	19.0	95	56-136	
trans-1,3-Dichloropropene	20.0	1.0 U	20.0	100	47-120	
1,2,3-Trichlorobenzene	20.0	1.0 U	19.5	97	46-148	
1,2,4-Trichlorobenzene	20.0	1.0 U	19.3	96	29-156	
1,1,1-Trichloroethane	20.0	1.0 U	19.1	95	60-130	
Trichloroethene	20.0	0.59 J	20.9	102	61-124	
Trichlorofluoromethane	20.0	1.0 U	17.8	89	24-177	
1,2,3-Trichloropropane	20.0	1.0 U	21.3	107	54-134	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	1.0 U	20.0	100	41-147	
1,2,4-Trimethylbenzene	20.0	1.0 U	20.4	102	69-125	
Vinyl chloride	20.0	1.0 U	17.5	87	43-157	
Xylenes, Total	40.0	2.0 U	38.1	95	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287656.D

Lab ID: 200-59769-B-1 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acetone	800	200 U	1080	136	33-149	
Benzene	400	20 U	403	101	64-128	
Bromobenzene	400	20 U	408	102	77-120	
Bromochloromethane	400	20 U	439	110	65-124	
Bromodichloromethane	400	20 U	412	103	62-125	
Bromoform	400	20 U	356	89	47-125	
Bromomethane	400	20 U	323	81	28-150	
2-Butanone	800	200 U	1110	139	40-151	
Carbon disulfide	400	20 U	402	101	38-140	
Carbon tetrachloride	400	20 U	397	99	51-133	
Chlorobenzene	400	20 U	379	95	74-121	
Chloroethane	400	20 U	327	82	10-199	
2-Chloroethyl vinyl ether	400	200 U	80.3 J	20	10-120	
Chloroform	400	20 U	423	106	70-122	
Chloromethane	400	20 U	302	76	32-149	
2-Chlorotoluene	400	20 U	407	102	75-120	
4-Chlorotoluene	400	20 U	399	100	75-120	
cis-1,2-Dichloroethene	400	440	864	106	66-128	
cis-1,3-Dichloropropene	400	20 U	372	93	47-125	
Dibromochloromethane	400	20 U	397	99	65-120	
1,2-Dibromo-3-Chloropropane	400	40 U	423	106	41-129	
1,2-Dibromoethane	400	20 U	381	95	69-125	
Dibromomethane	400	20 U	452	113	64-126	
1,2-Dichlorobenzene	400	20 U	410	102	73-120	
1,3-Dichlorobenzene	400	20 U	402	100	73-120	
1,4-Dichlorobenzene	400	20 U	391	98	74-120	
Dichlorodifluoromethane	400	20 U	274	68	38-139	
1,1-Dichloroethane	400	20 U	407	102	68-125	
1,2-Dichloroethane	400	20 U	420	105	63-126	
1,1-Dichloroethene	400	20 U	389	97	56-135	
1,2-Dichloropropane	400	20 U	401	100	69-130	
1,3-Dichloropropane	400	20 U	384	96	72-122	
2,2-Dichloropropane	400	20 U	429	107	38-145	
1,1-Dichloropropene	400	20 U	374	94	59-125	
Ethylbenzene	400	20 U	393	98	67-127	
Hexachlorobutadiene	400	20 U	358	89	24-165	
2-Hexanone	800	200 U	774	97	35-156	
Isopropylbenzene	400	20 U	368	92	64-129	
Methylene Chloride	400	100 U	389	97	62-129	
4-Methyl-2-pentanone	800	200 U	821	103	31-153	
Methyl tert-butyl ether	400	20 U	431	108	47-134	
m-Xylene & p-Xylene	400	40 U	381	95	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287656.D

Lab ID: 200-59769-B-1 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Naphthalene	400	20 U	437	109	49-139	
n-Butylbenzene	400	20 U	379	95	51-134	
n-Propylbenzene	400	20 U	401	100	67-122	
o-Xylene	400	20 U	387	97	70-125	
p-Isopropyltoluene	400	20 U	399	100	64-128	
sec-Butylbenzene	400	20 U	394	99	62-130	
Styrene	400	20 U	371	93	70-139	
tert-Butylbenzene	400	20 U	398	99	47-140	
1,1,1,2-Tetrachloroethane	400	20 U	379	95	68-121	
1,1,2,2-Tetrachloroethane	400	20 U	438	110	54-145	
Tetrachloroethene	400	320	710	98	62-131	
Toluene	400	20 U	383	96	58-135	
trans-1,2-Dichloroethene	400	20 U	410	103	56-136	
trans-1,3-Dichloropropene	400	20 U	357	89	47-120	
1,2,3-Trichlorobenzene	400	20 U	412	103	46-148	
1,2,4-Trichlorobenzene	400	20 U	402	100	29-156	
1,1,1-Trichloroethane	400	20 U	411	103	60-130	
Trichloroethene	400	140	544	100	61-124	
Trichlorofluoromethane	400	20 U	349	87	24-177	
1,2,3-Trichloropropane	400	20 U	445	111	54-134	
1,1,2-Trichloro-1,2,2-trichfluoroethane	400	20 U	401	100	41-147	
1,2,4-Trimethylbenzene	400	20 U	418	104	69-125	
Vinyl acetate	400	40 U	350	87	28-131	
Vinyl chloride	400	78	403	81	43-157	
Xylenes, Total	800	40 U	768	96	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287565.D

Lab ID: 240-154707-H-5 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	40.0	55.0	138	15	34	33-149	
Benzene	20.0	20.6	103	0	14	64-128	
Bromobenzene	20.0	20.1	101	2	16	77-120	
Bromochloromethane	20.0	19.9	100	5	15	65-124	
Bromodichloromethane	20.0	20.9	104	1	13	62-125	
Bromoform	20.0	18.9	94	0	15	47-125	
Bromomethane	20.0	15.9	79	0	26	28-150	
2-Butanone	40.0	56.0	140	2	20	40-151	
Carbon tetrachloride	20.0	19.4	97	1	24	51-133	
Chlorobenzene	20.0	19.3	97	2	14	74-121	
Chloroethane	20.0	15.6	78	4	30	10-199	
Chloroform	20.0	19.7	99	0	14	70-122	
Chloromethane	20.0	17.2	86	0	27	32-149	
2-Chlorotoluene	20.0	19.0	95	5	19	75-120	
4-Chlorotoluene	20.0	19.4	97	6	18	75-120	
cis-1,2-Dichloroethene	20.0	19.9	99	0	14	66-128	
cis-1,3-Dichloropropene	20.0	20.4	102	1	13	47-125	
Dibromochloromethane	20.0	20.1	101	0	13	65-120	
1,2-Dibromo-3-Chloropropane	20.0	20.8	104	3	22	41-129	
1,2-Dibromoethane	20.0	20.5	102	2	14	69-125	
Dibromomethane	20.0	22.4	112	4	12	64-126	
1,2-Dichlorobenzene	20.0	19.6	98	3	14	73-120	
1,3-Dichlorobenzene	20.0	19.5	97	1	14	73-120	
1,4-Dichlorobenzene	20.0	19.3	96	2	15	74-120	
Dichlorodifluoromethane	20.0	18.5	93	6	35	38-139	
1,1-Dichloroethane	20.0	19.5	97	3	13	68-125	
1,2-Dichloroethane	20.0	21.3	107	2	12	63-126	
1,1-Dichloroethene	20.0	18.6	93	2	26	56-135	
1,2-Dichloropropane	20.0	21.2	106	2	13	69-130	
1,3-Dichloropropane	20.0	21.0	105	0	14	72-122	
2,2-Dichloropropane	20.0	19.2	96	1	21	38-145	
1,1-Dichloropropene	20.0	19.7	99	0	24	59-125	
Ethylbenzene	20.0	18.8	94	7	15	67-127	
Hexachlorobutadiene	20.0	18.5	92	3	35	24-165	
Isopropylbenzene	20.0	18.2	91	2	18	64-129	
Methylene Chloride	20.0	17.7	88	2	17	62-129	
4-Methyl-2-pentanone	40.0	44.5	111	7	15	31-153	
Methyl tert-butyl ether	20.0	19.4	97	0	16	47-134	
m-Xylene & p-Xylene	20.0	19.2	96	1	16	71-123	
Naphthalene	20.0	21.2	106	2	21	49-139	
n-Butylbenzene	20.0	19.2	96	4	28	51-134	
n-Propylbenzene	20.0	19.2	96	8	22	67-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287565.D

Lab ID: 240-154707-H-5 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
o-Xylene	20.0	19.3	96	2	15	70-125	
p-Isopropyltoluene	20.0	19.8	99	2	23	64-128	
sec-Butylbenzene	20.0	19.4	97	6	28	62-130	
Styrene	20.0	19.9	99	1	18	70-139	
tert-Butylbenzene	20.0	20.8	104	3	24	47-140	
1,1,1,2-Tetrachloroethane	20.0	17.3	87	2	14	68-121	
1,1,2,2-Tetrachloroethane	20.0	21.1	105	3	15	54-145	
Tetrachloroethene	20.0	20.2	101	0	20	62-131	
Toluene	20.0	19.5	97	3	14	58-135	
trans-1,2-Dichloroethene	20.0	19.0	95	0	15	56-136	
trans-1,3-Dichloropropene	20.0	20.0	100	0	14	47-120	
1,2,3-Trichlorobenzene	20.0	20.0	100	3	23	46-148	
1,2,4-Trichlorobenzene	20.0	18.8	94	2	19	29-156	
1,1,1-Trichloroethane	20.0	19.5	97	2	17	60-130	
Trichloroethene	20.0	21.2	103	2	15	61-124	
Trichlorofluoromethane	20.0	17.5	88	2	34	24-177	
1,2,3-Trichloropropane	20.0	20.5	103	4	17	54-134	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	20.0	100	0	35	41-147	
1,2,4-Trimethylbenzene	20.0	19.7	98	4	20	69-125	
Vinyl chloride	20.0	17.4	87	0	24	43-157	
Xylenes, Total	40.0	38.5	96	1	15	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287657.D

Lab ID: 200-59769-B-1 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	800	1150	144	6	34	33-149	
Benzene	400	412	103	2	14	64-128	
Bromobenzene	400	408	102	0	16	77-120	
Bromochloromethane	400	422	106	4	15	65-124	
Bromodichloromethane	400	425	106	3	13	62-125	
Bromoform	400	394	99	10	15	47-125	
Bromomethane	400	313	78	3	26	28-150	
2-Butanone	800	1360	170	20	20	40-151	F1
Carbon disulfide	400	417	104	4	23	38-140	
Carbon tetrachloride	400	416	104	5	24	51-133	
Chlorobenzene	400	381	95	1	14	74-121	
Chloroethane	400	315	79	4	30	10-199	
2-Chloroethyl vinyl ether	400	71.3 J	18	12	35	10-120	
Chloroform	400	423	106	0	14	70-122	
Chloromethane	400	293	73	3	27	32-149	
2-Chlorotoluene	400	396	99	3	19	75-120	
4-Chlorotoluene	400	387	97	3	18	75-120	
cis-1,2-Dichloroethene	400	864	106	0	14	66-128	
cis-1,3-Dichloropropene	400	391	98	5	13	47-125	
Dibromochloromethane	400	401	100	1	13	65-120	
1,2-Dibromo-3-Chloropropane	400	441	110	4	22	41-129	
1,2-Dibromoethane	400	394	99	3	14	69-125	
Dibromomethane	400	471	118	4	12	64-126	
1,2-Dichlorobenzene	400	407	102	1	14	73-120	
1,3-Dichlorobenzene	400	392	98	2	14	73-120	
1,4-Dichlorobenzene	400	382	95	2	15	74-120	
Dichlorodifluoromethane	400	277	69	1	35	38-139	
1,1-Dichloroethane	400	416	104	2	13	68-125	
1,2-Dichloroethane	400	419	105	0	12	63-126	
1,1-Dichloroethene	400	401	100	3	26	56-135	
1,2-Dichloropropane	400	422	106	5	13	69-130	
1,3-Dichloropropane	400	389	97	1	14	72-122	
2,2-Dichloropropane	400	437	109	2	21	38-145	
1,1-Dichloropropene	400	389	97	4	24	59-125	
Ethylbenzene	400	399	100	1	15	67-127	
Hexachlorobutadiene	400	396	99	10	35	24-165	
2-Hexanone	800	933	117	19	17	35-156	F2
Isopropylbenzene	400	377	94	2	18	64-129	
Methylene Chloride	400	388	97	0	17	62-129	
4-Methyl-2-pentanone	800	914	114	11	15	31-153	
Methyl tert-butyl ether	400	428	107	1	16	47-134	
m-Xylene & p-Xylene	400	380	95	0	16	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1287657.D

Lab ID: 200-59769-B-1 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Naphthalene	400	441	110	1	21	49-139	
n-Butylbenzene	400	374	93	1	28	51-134	
n-Propylbenzene	400	395	99	1	22	67-122	
o-Xylene	400	390	98	1	15	70-125	
p-Isopropyltoluene	400	385	96	4	23	64-128	
sec-Butylbenzene	400	386	97	2	28	62-130	
Styrene	400	393	98	6	18	70-139	
tert-Butylbenzene	400	390	98	2	24	47-140	
1,1,1,2-Tetrachloroethane	400	373	93	2	14	68-121	
1,1,2,2-Tetrachloroethane	400	433	108	1	15	54-145	
Tetrachloroethene	400	707	98	0	20	62-131	
Toluene	400	377	94	2	14	58-135	
trans-1,2-Dichloroethene	400	424	106	3	15	56-136	
trans-1,3-Dichloropropene	400	370	93	4	14	47-120	
1,2,3-Trichlorobenzene	400	425	106	3	23	46-148	
1,2,4-Trichlorobenzene	400	410	103	2	19	29-156	
1,1,1-Trichloroethane	400	426	106	4	17	60-130	
Trichloroethene	400	558	104	3	15	61-124	
Trichlorofluoromethane	400	338	84	3	34	24-177	
1,2,3-Trichloropropane	400	435	109	2	17	54-134	
1,1,2-Trichloro-1,2,2-trichfluoroethane	400	392	98	2	35	41-147	
1,2,4-Trimethylbenzene	400	397	99	5	20	69-125	
Vinyl acetate	400	358	90	2	14	28-131	
Vinyl chloride	400	399	80	1	24	43-157	
Xylenes, Total	800	770	96	0	15	71-123	

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: U1287555.D Lab Sample ID: MB 240-500502/8

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

Instrument ID: A3UX12 Date Analyzed: 08/21/2021 13:56

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 240-500502/5	U1287552.D	08/21/2021 12:50
	240-154707-E-5 MS	U1287564.D	08/21/2021 17:15
	240-154707-H-5 MSD	U1287565.D	08/21/2021 17:37
MSA-SW37A-081721	240-154716-1	U1287573.D	08/21/2021 20:34
MSA-SW37B-081721	240-154716-2	U1287574.D	08/21/2021 20:56
MSA-SW37C-081721	240-154716-3	U1287575.D	08/21/2021 21:19
MSA-SW37D-081721	240-154716-4	U1287576.D	08/21/2021 21:41

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: U1287587.D Lab Sample ID: MB 240-500679/8

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

Instrument ID: A3UX12 Date Analyzed: 08/23/2021 18:57

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 240-500679/5	U1287584.D	08/23/2021 17:50
MSA-SW38A-081721	240-154716-5	U1287588.D	08/23/2021 19:18
MSA-SW38B-081721	240-154716-6	U1287589.D	08/23/2021 19:40
MSA-SW38C-081721	240-154716-7	U1287590.D	08/23/2021 20:03
MSA-SW38D-081721	240-154716-8	U1287591.D	08/23/2021 20:25
MSA-SW40A-081721	240-154716-9	U1287592.D	08/23/2021 20:47
MSA-SW40B-081721	240-154716-10	U1287593.D	08/23/2021 21:09
MSA-SW40C-081721	240-154716-11	U1287594.D	08/23/2021 21:31
MSA-SW40D-081721	240-154716-12	U1287595.D	08/23/2021 21:53
MSA-SW41A-081721	240-154716-13	U1287596.D	08/23/2021 22:15
MSA-SW41B-081721	240-154716-14	U1287597.D	08/23/2021 22:37
MSA-SW41C-081721	240-154716-15	U1287598.D	08/23/2021 23:00
MSA-SW41D-081721	240-154716-16	U1287599.D	08/23/2021 23:22
MSA-SW42A-081721	240-154716-17	U1287600.D	08/23/2021 23:44
MSA-SW42B-081721	240-154716-18	U1287601.D	08/24/2021 00:06
MSA-SW42C-081721	240-154716-19	U1287602.D	08/24/2021 00:28
MSA-SW42D-081721	240-154716-20	U1287603.D	08/24/2021 00:50
MSA-SW43A-081721	240-154716-21	U1287604.D	08/24/2021 01:12
MSA-SW43B-081721	240-154716-22	U1287605.D	08/24/2021 01:34
MSA-SW43D-081721	240-154716-24	U1287607.D	08/24/2021 02:19

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: U1287643.D Lab Sample ID: MB 240-501270/8

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

Instrument ID: A3UX12 Date Analyzed: 08/26/2021 20:31

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 240-501270/5	U1287640.D	08/26/2021 19:25
MSA-SW43C-081721	240-154716-23	U1287644.D	08/26/2021 20:54
MSA-SW44A-081721	240-154716-25	U1287645.D	08/26/2021 21:16
MSA-SW44B-081721	240-154716-26	U1287646.D	08/26/2021 21:38
MSA-SW44C-081721	240-154716-27	U1287647.D	08/26/2021 22:00
MSA-SW44D-081721	240-154716-28	U1287648.D	08/26/2021 22:23
TB-081721	240-154716-29	U1287649.D	08/26/2021 22:45
MSA-SW46A-081721	240-154716-30	U1287650.D	08/26/2021 23:07
MSA-SW47A-081721	240-154716-31	U1287651.D	08/26/2021 23:29
MSA-SW48A-081721	240-154716-32	U1287652.D	08/26/2021 23:52
MSA-SW49A-081721	240-154716-33	U1287653.D	08/27/2021 00:14
	200-59769-B-1 MS	U1287656.D	08/27/2021 01:21
	200-59769-B-1 MSD	U1287657.D	08/27/2021 01:42

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB4720.D BFB Injection Date: 07/31/2021

Instrument ID: A3UX12 BFB Injection Time: 10:57

Analysis Batch No.: 497502

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.0	
75	30.0 - 60.0 % of mass 95	54.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	74.4	
175	5.0 - 9.0 % of mass 174	6.1	(8.2) 1
176	95.0 - 101.0 % of mass 174	71.9	(96.6) 1
177	5.0 - 9.0 % of mass 176	4.7	(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
	STD8260 240-497502/10	U1287160.D	07/31/2021	11:43
	STD8260 240-497502/11	U1287161.D	07/31/2021	12:05
	STD8260 240-497502/12	U1287162.D	07/31/2021	12:27
	STD8260 240-497502/13	U1287163.D	07/31/2021	12:49
	ICIS 240-497502/14	U1287164.D	07/31/2021	13:11
	STD8260 240-497502/15	U1287165.D	07/31/2021	13:33
	STD8260 240-497502/16	U1287166.D	07/31/2021	13:55
	STD8260 240-497502/17	U1287167.D	07/31/2021	14:17
	ICV 240-497502/18	U1287168.D	07/31/2021	14:39
	STDA9 240-497502/21	U1287171.D	07/31/2021	15:46
	STDA9 240-497502/22	U1287172.D	07/31/2021	16:08
	STDA9 240-497502/23	U1287173.D	07/31/2021	16:30
	STDA9 240-497502/24	U1287174.D	07/31/2021	16:52
	STDA9 240-497502/25	U1287175.D	07/31/2021	17:14
	STDA9 240-497502/26	U1287176.D	07/31/2021	17:37
	STDA9 240-497502/27	U1287177.D	07/31/2021	17:59

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB4721.D BFB Injection Date: 08/02/2021

Instrument ID: A3UX12 BFB Injection Time: 16:50

Analysis Batch No.: 497699

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.1	
75	30.0 - 60.0 % of mass 95	55.7	
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	Greater than 50% of mass 95	70.6	
175	5.0 - 9.0 % of mass 174	5.8	(8.2) 1
176	95.0 - 101.0 % of mass 174	67.2	(95.2) 1
177	5.0 - 9.0 % of mass 176	4.7	(6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 240-497699/6	U1287184.D	08/02/2021	18:21

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB4735.D BFB Injection Date: 08/21/2021

Instrument ID: A3UX12 BFB Injection Time: 11:44

Analysis Batch No.: 500502

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.7	
75	30.0 - 60.0 % of mass 95	54.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	71.6	
175	5.0 - 9.0 % of mass 174	6.3	(8.8) 1
176	95.0 - 101.0 % of mass 174	69.7	(97.4) 1
177	5.0 - 9.0 % of mass 176	4.8	(6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-500502/3	U1287550.D	08/21/2021	12:06
	CCVIS 240-500502/4	U1287551.D	08/21/2021	12:28
	LCS 240-500502/5	U1287552.D	08/21/2021	12:50
	MB 240-500502/8	U1287555.D	08/21/2021	13:56
	240-154707-E-5 MS	U1287564.D	08/21/2021	17:15
	240-154707-H-5 MSD	U1287565.D	08/21/2021	17:37
MSA-SW37A-081721	240-154716-1	U1287573.D	08/21/2021	20:34
MSA-SW37B-081721	240-154716-2	U1287574.D	08/21/2021	20:56
MSA-SW37C-081721	240-154716-3	U1287575.D	08/21/2021	21:19
MSA-SW37D-081721	240-154716-4	U1287576.D	08/21/2021	21:41

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB4736.D BFB Injection Date: 08/23/2021

Instrument ID: A3UX12 BFB Injection Time: 16:44

Analysis Batch No.: 500679

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.0	
75	30.0 - 60.0 % of mass 95	52.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	75.9	
175	5.0 - 9.0 % of mass 174	6.0	(7.9) 1
176	95.0 - 101.0 % of mass 174	73.2	(96.5) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-500679/3	U1287582.D	08/23/2021	17:06
	CCVIS 240-500679/4	U1287583.D	08/23/2021	17:28
	LCS 240-500679/5	U1287584.D	08/23/2021	17:50
	MB 240-500679/8	U1287587.D	08/23/2021	18:57
MSA-SW38A-081721	240-154716-5	U1287588.D	08/23/2021	19:18
MSA-SW38B-081721	240-154716-6	U1287589.D	08/23/2021	19:40
MSA-SW38C-081721	240-154716-7	U1287590.D	08/23/2021	20:03
MSA-SW38D-081721	240-154716-8	U1287591.D	08/23/2021	20:25
MSA-SW40A-081721	240-154716-9	U1287592.D	08/23/2021	20:47
MSA-SW40B-081721	240-154716-10	U1287593.D	08/23/2021	21:09
MSA-SW40C-081721	240-154716-11	U1287594.D	08/23/2021	21:31
MSA-SW40D-081721	240-154716-12	U1287595.D	08/23/2021	21:53
MSA-SW41A-081721	240-154716-13	U1287596.D	08/23/2021	22:15
MSA-SW41B-081721	240-154716-14	U1287597.D	08/23/2021	22:37
MSA-SW41C-081721	240-154716-15	U1287598.D	08/23/2021	23:00
MSA-SW41D-081721	240-154716-16	U1287599.D	08/23/2021	23:22
MSA-SW42A-081721	240-154716-17	U1287600.D	08/23/2021	23:44
MSA-SW42B-081721	240-154716-18	U1287601.D	08/24/2021	0:06
MSA-SW42C-081721	240-154716-19	U1287602.D	08/24/2021	0:28
MSA-SW42D-081721	240-154716-20	U1287603.D	08/24/2021	0:50
MSA-SW43A-081721	240-154716-21	U1287604.D	08/24/2021	1:12
MSA-SW43B-081721	240-154716-22	U1287605.D	08/24/2021	1:34
MSA-SW43D-081721	240-154716-24	U1287607.D	08/24/2021	2:19

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB4738.D BFB Injection Date: 08/26/2021

Instrument ID: A3UX12 BFB Injection Time: 18:15

Analysis Batch No.: 501270

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.0	
75	30.0 - 60.0 % of mass 95	51.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.4	(0.6) 1
174	Greater than 50% of mass 95	76.1	
175	5.0 - 9.0 % of mass 174	6.2	(8.1) 1
176	95.0 - 101.0 % of mass 174	73.1	(96.0) 1
177	5.0 - 9.0 % of mass 176	4.7	(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
	CCV 240-501270/3	U1287638.D	08/26/2021	18:40
	CCVIS 240-501270/4	U1287639.D	08/26/2021	19:02
	LCS 240-501270/5	U1287640.D	08/26/2021	19:25
	MB 240-501270/8	U1287643.D	08/26/2021	20:31
MSA-SW43C-081721	240-154716-23	U1287644.D	08/26/2021	20:54
MSA-SW44A-081721	240-154716-25	U1287645.D	08/26/2021	21:16
MSA-SW44B-081721	240-154716-26	U1287646.D	08/26/2021	21:38
MSA-SW44C-081721	240-154716-27	U1287647.D	08/26/2021	22:00
MSA-SW44D-081721	240-154716-28	U1287648.D	08/26/2021	22:23
TB-081721	240-154716-29	U1287649.D	08/26/2021	22:45
MSA-SW46A-081721	240-154716-30	U1287650.D	08/26/2021	23:07
MSA-SW47A-081721	240-154716-31	U1287651.D	08/26/2021	23:29
MSA-SW48A-081721	240-154716-32	U1287652.D	08/26/2021	23:52
MSA-SW49A-081721	240-154716-33	U1287653.D	08/27/2021	0:14
	200-59769-B-1 MS	U1287656.D	08/27/2021	1:21
	200-59769-B-1 MSD	U1287657.D	08/27/2021	1:42

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Sample No.: ICIS 240-497502/14 Date Analyzed: 07/31/2021 13:11

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1287164.D Heated Purge: (Y/N) N

Calibration ID: 62057

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		816084	5.10	503211	7.75	297851	9.98
UPPER LIMIT		1632168	5.60	1006422	8.25	595702	10.48
LOWER LIMIT		408042	4.60	251606	7.25	148926	9.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-497502/18		979145	5.10	635231	7.75	354556	9.98
CCVIS 240-500502/4		749763	5.10	510238	7.75	276160	9.98
CCVIS 240-500679/4		837050	5.10	579208	7.75	319182	9.98
CCVIS 240-501270/4		750758	5.10	497581	7.75	275377	9.98

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-500502/4 Date Analyzed: 08/21/2021 12:28

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1287551.D Heated Purge: (Y/N) N

Calibration ID: 62061

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		749763	5.10	510238	7.75	276160	9.98
UPPER LIMIT		1499526	5.60	1020476	8.25	552320	10.48
LOWER LIMIT		374882	4.60	255119	7.25	138080	9.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-500502/5		733063	5.10	490453	7.75	273508	9.98
MB 240-500502/8		682091	5.10	425482	7.75	225902	9.98
240-154707-E-5 MS		800331	5.10	536319	7.75	286904	9.98
240-154707-H-5 MSD		812098	5.10	559376	7.75	306827	9.98
240-154716-1	MSA-SW37A-081721	778340	5.10	514589	7.75	261182	9.98
240-154716-2	MSA-SW37B-081721	743767	5.10	503937	7.75	267688	9.98
240-154716-3	MSA-SW37C-081721	755790	5.10	503656	7.75	260642	9.98
240-154716-4	MSA-SW37D-081721	747037	5.10	508390	7.75	268479	9.98

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-500679/4 Date Analyzed: 08/23/2021 17:28

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1287583.D Heated Purge: (Y/N) N

Calibration ID: 62061

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		837050	5.10	579208	7.75	319182	9.98
UPPER LIMIT		1674100	5.60	1158416	8.25	638364	10.48
LOWER LIMIT		418525	4.60	289604	7.25	159591	9.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-500679/5		837550	5.10	584483	7.75	320995	9.98
MB 240-500679/8		737228	5.10	485889	7.75	244662	9.98
240-154716-5	MSA-SW38A-081721	760775	5.10	517847	7.75	268425	9.98
240-154716-6	MSA-SW38B-081721	742002	5.10	492326	7.75	259281	9.98
240-154716-7	MSA-SW38C-081721	756826	5.10	506527	7.75	274039	9.98
240-154716-8	MSA-SW38D-081721	749987	5.10	494361	7.75	249141	9.98
240-154716-9	MSA-SW40A-081721	665332	5.10	438058	7.75	234262	9.98
240-154716-10	MSA-SW40B-081721	645497	5.10	421371	7.75	237438	9.98
240-154716-11	MSA-SW40C-081721	694570	5.10	449373	7.75	238731	9.98
240-154716-12	MSA-SW40D-081721	680539	5.10	435931	7.75	240615	9.98
240-154716-13	MSA-SW41A-081721	661562	5.10	436326	7.75	244250	9.98
240-154716-14	MSA-SW41B-081721	695467	5.10	445092	7.75	246099	9.98
240-154716-15	MSA-SW41C-081721	693034	5.10	462096	7.75	240439	9.98
240-154716-16	MSA-SW41D-081721	691869	5.10	450657	7.75	246768	9.98
240-154716-17	MSA-SW42A-081721	710363	5.10	443680	7.75	227405	9.98
240-154716-18	MSA-SW42B-081721	678132	5.10	440140	7.75	237007	9.98
240-154716-19	MSA-SW42C-081721	686892	5.10	440539	7.75	238782	9.98
240-154716-20	MSA-SW42D-081721	679709	5.10	443612	7.75	247169	9.98
240-154716-21	MSA-SW43A-081721	675319	5.10	441506	7.75	231070	9.98
240-154716-22	MSA-SW43B-081721	674311	5.10	437179	7.75	236018	9.98
240-154716-24	MSA-SW43D-081721	694726	5.10	445367	7.75	236553	9.98

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-501270/4 Date Analyzed: 08/26/2021 19:02

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1287639.D Heated Purge: (Y/N) N

Calibration ID: 62061

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		750758	5.10	497581	7.75	275377	9.98
UPPER LIMIT		1501516	5.60	995162	8.25	550754	10.48
LOWER LIMIT		375379	4.60	248791	7.25	137689	9.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-501270/5		747578	5.10	499170	7.75	283611	9.98
MB 240-501270/8		670896	5.10	444250	7.75	243186	9.98
240-154716-23	MSA-SW43C-081721	663163	5.10	436574	7.75	246175	9.98
240-154716-25	MSA-SW44A-081721	656735	5.10	433696	7.75	237134	9.98
240-154716-26	MSA-SW44B-081721	654945	5.10	430621	7.75	240069	9.98
240-154716-27	MSA-SW44C-081721	672890	5.10	443078	7.75	238662	9.98
240-154716-28	MSA-SW44D-081721	759143	5.10	518381	7.75	266761	9.98
240-154716-29	TB-081721	737539	5.10	489666	7.75	254037	9.98
240-154716-30	MSA-SW46A-081721	759795	5.10	530190	7.75	278892	9.98
240-154716-31	MSA-SW47A-081721	750614	5.10	512890	7.75	258285	9.98
240-154716-32	MSA-SW48A-081721	761449	5.10	521933	7.75	282518	9.98
240-154716-33	MSA-SW49A-081721	760463	5.10	527553	7.75	276644	9.98
200-59769-B-1 MS		723127	5.10	475783	7.75	253046	9.98
200-59769-B-1 MSD		727604	5.10	492135	7.75	271058	9.98

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-081721 Lab Sample ID: 240-154716-1

Matrix: Water Lab File ID: U1287573.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:18

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:34

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U *+	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-081721 Lab Sample ID: 240-154716-1

Matrix: Water Lab File ID: U1287573.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:18

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:34

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-081721 Lab Sample ID: 240-154716-1

Matrix: Water Lab File ID: U1287573.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:18

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:34

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		56-136
1868-53-7	Dibromofluoromethane (Surr)	98		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-081721 Lab Sample ID: 240-154716-1

Matrix: Water Lab File ID: U1287573.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:18

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:34

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.: 500502 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-081721 Lab Sample ID: 240-154716-1

Matrix: Water Lab File ID: U1287573.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:18

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:34

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.: 500502 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\20210821-112421.b\U1287573.D
Lims ID: 240-154716-B-1
Client ID: MSA-SW37A-081721
Sample Type: Client
Inject. Date: 21-Aug-2021 20:34:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112421-026
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 13:59:27 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 13:59:27

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	98	778340	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	514589	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	261182	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.539	-0.012	92	192117	19.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	264809	22.7	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	714655	18.7	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	261820	19.4	
9 Dichlorodifluoromethane	85		1.415				ND	
10 Chloromethane	50		1.640				ND	
12 Vinyl chloride	62		1.688				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.255				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.670				ND	
23 Acetone	43		2.693				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.178				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.137				ND	
41 cis-1,2-Dichloroethene	96		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		4.681				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		4.859				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		5.592				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		6.220				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.350				ND	U
71 Toluene	91		6.504				ND	
72 trans-1,3-Dichloropropene	75		6.705				ND	
76 Tetrachloroethene	166		6.989				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	
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	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.048				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.190				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.959				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.065				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.148				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

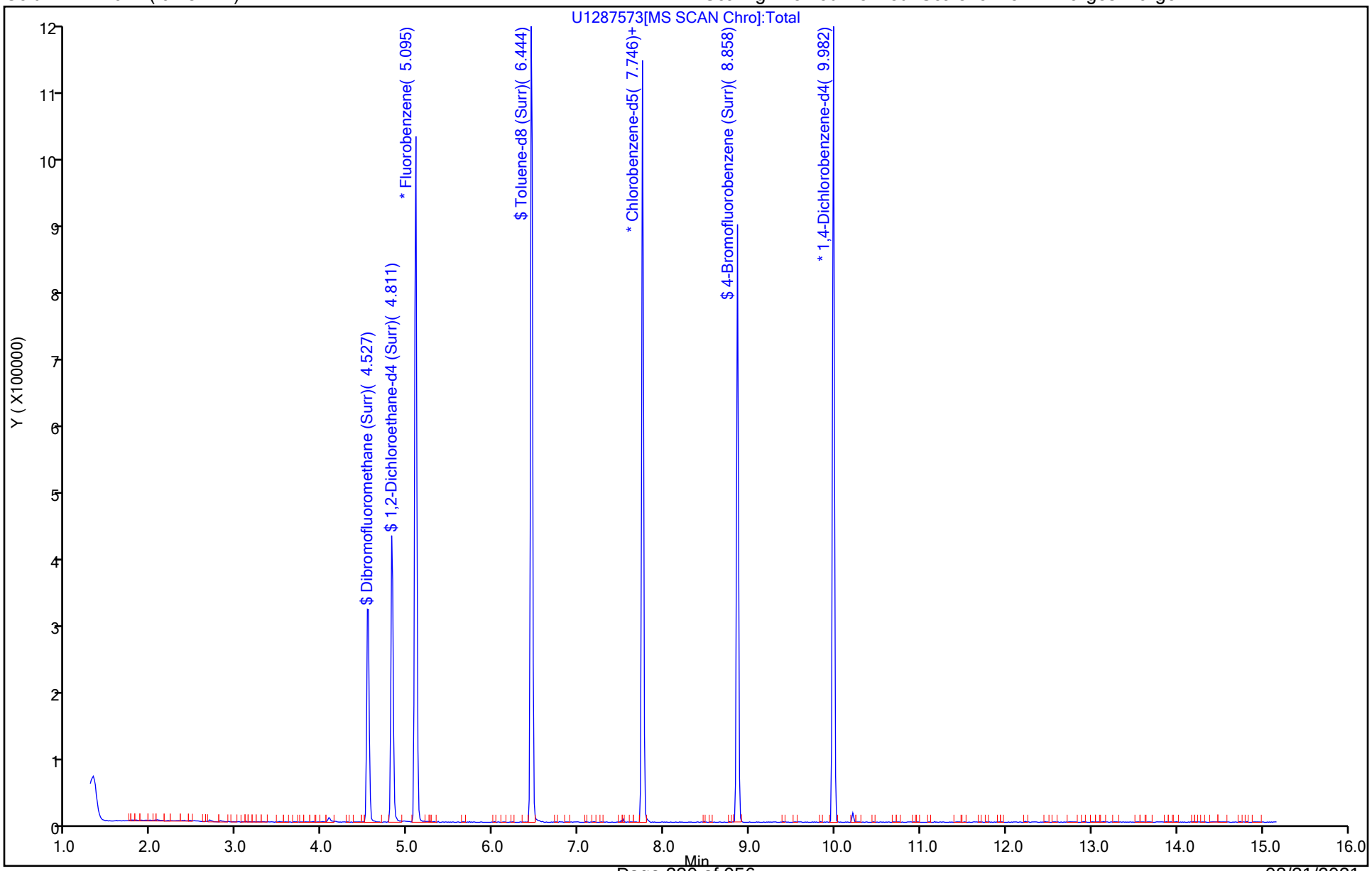
Report Date: 23-Aug-2021 13:59:27 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287573.D

Injection Date:	21-Aug-2021 20:34:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-1	Lab Sample ID:	240-154716-1	Worklist Smp#:	26
Client ID:	MSA-SW37A-081721				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
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\20210821-112421.b\U1287573.D				
Lims ID:	240-154716-B-1				
Client ID:	MSA-SW37A-081721				
Sample Type:	Client				
Inject. Date:	21-Aug-2021 20:34:30	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112421-026				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	23-Aug-2021 13:59:27	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1677				

First Level Reviewer: laveyt Date: 23-Aug-2021 13:59:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.6	98.00
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.7	113.47
$ 6 Toluene-d8 (Surr)	20.0	18.7	93.71
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.4	96.83

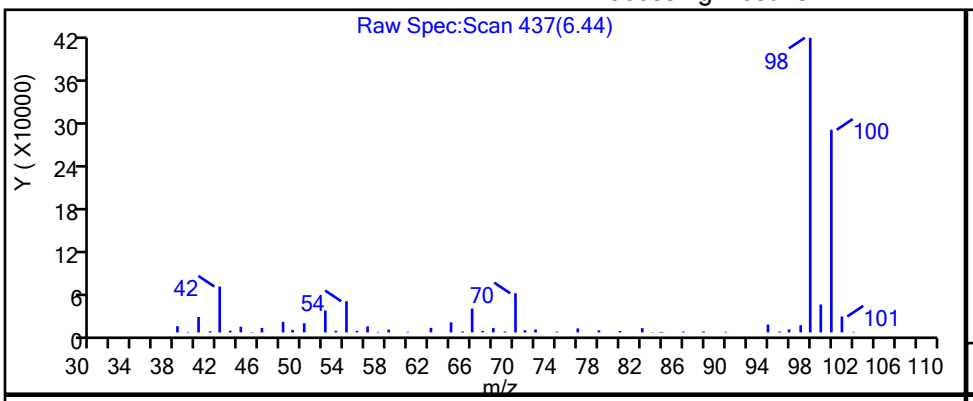
User Disabled Compound Report

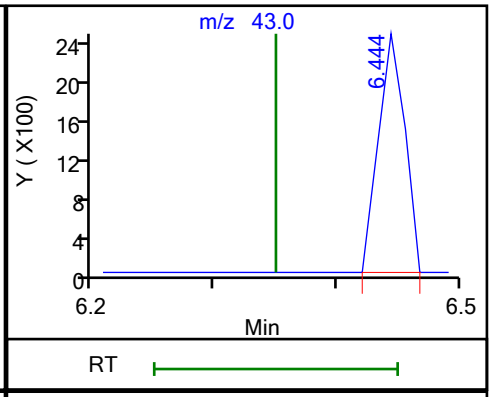
Eurofins TestAmerica, Canton

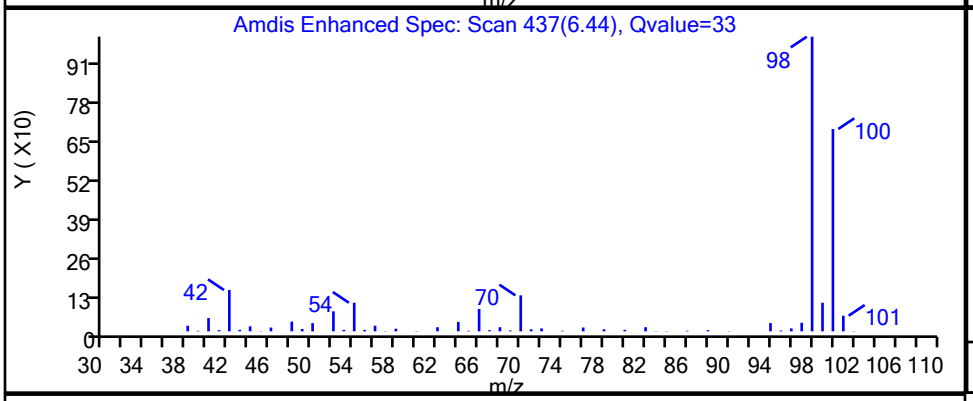
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287573.D				
Injection Date:	21-Aug-2021 20:34:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-B-1	Lab Sample ID:	240-154716-1		
Client ID:	MSA-SW37A-081721				
Operator ID:	001904	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

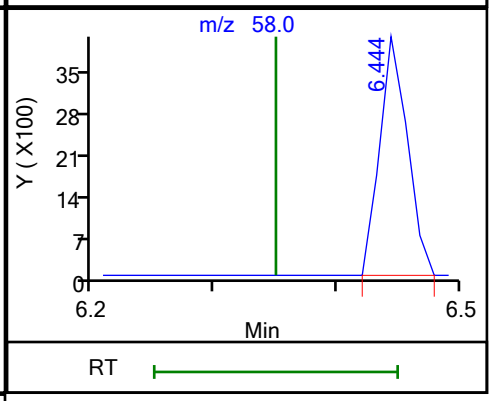
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

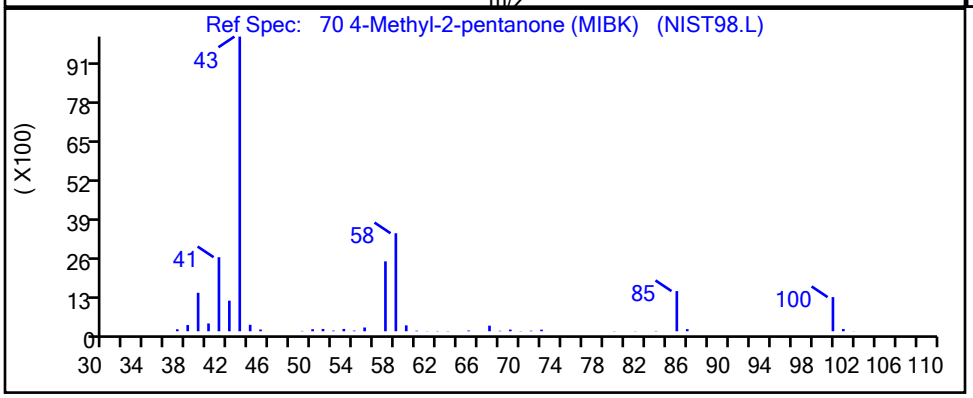
Processing Results











RT	Mass	Response	Amount
6.44	43.00	3688	0.235792
6.44	58.00	6467	

Reviewer: laveyt, 23-Aug-2021 13:59:19

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-081721 Lab Sample ID: 240-154716-2

Matrix: Water Lab File ID: U1287574.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:20

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:56

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U *+	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-081721 Lab Sample ID: 240-154716-2

Matrix: Water Lab File ID: U1287574.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:20

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:56

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-081721 Lab Sample ID: 240-154716-2

Matrix: Water Lab File ID: U1287574.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:20

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:56

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		62-137
2037-26-5	Toluene-d8 (Surr)	91		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-081721 Lab Sample ID: 240-154716-2

Matrix: Water Lab File ID: U1287574.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:20

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:56

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.: 500502 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-081721 Lab Sample ID: 240-154716-2

Matrix: Water Lab File ID: U1287574.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:20

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 20:56

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.: 500502 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\20210821-112421.b\U1287574.D
Lims ID: 240-154716-B-2
Client ID: MSA-SW37B-081721
Sample Type: Client
Inject. Date: 21-Aug-2021 20:56:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112421-027
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 13:59:45 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 13:59:45

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	98	743767	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	503937	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	267688	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.539	0.000	93	180992	19.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	241904	21.7	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	677373	18.1	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	260149	19.6	
9 Dichlorodifluoromethane	85		1.415				ND	
10 Chloromethane	50		1.640				ND	
12 Vinyl chloride	62		1.688				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.255				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.670				ND	
23 Acetone	43		2.693				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.178				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.137				ND	
41 cis-1,2-Dichloroethene	96		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		4.681				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		4.859				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		5.592				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		6.220				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.350				ND	U
71 Toluene	91		6.504				ND	
72 trans-1,3-Dichloropropene	75		6.705				ND	
76 Tetrachloroethene	166		6.989				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	
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	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.048				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.190				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.959				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.065				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.148				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

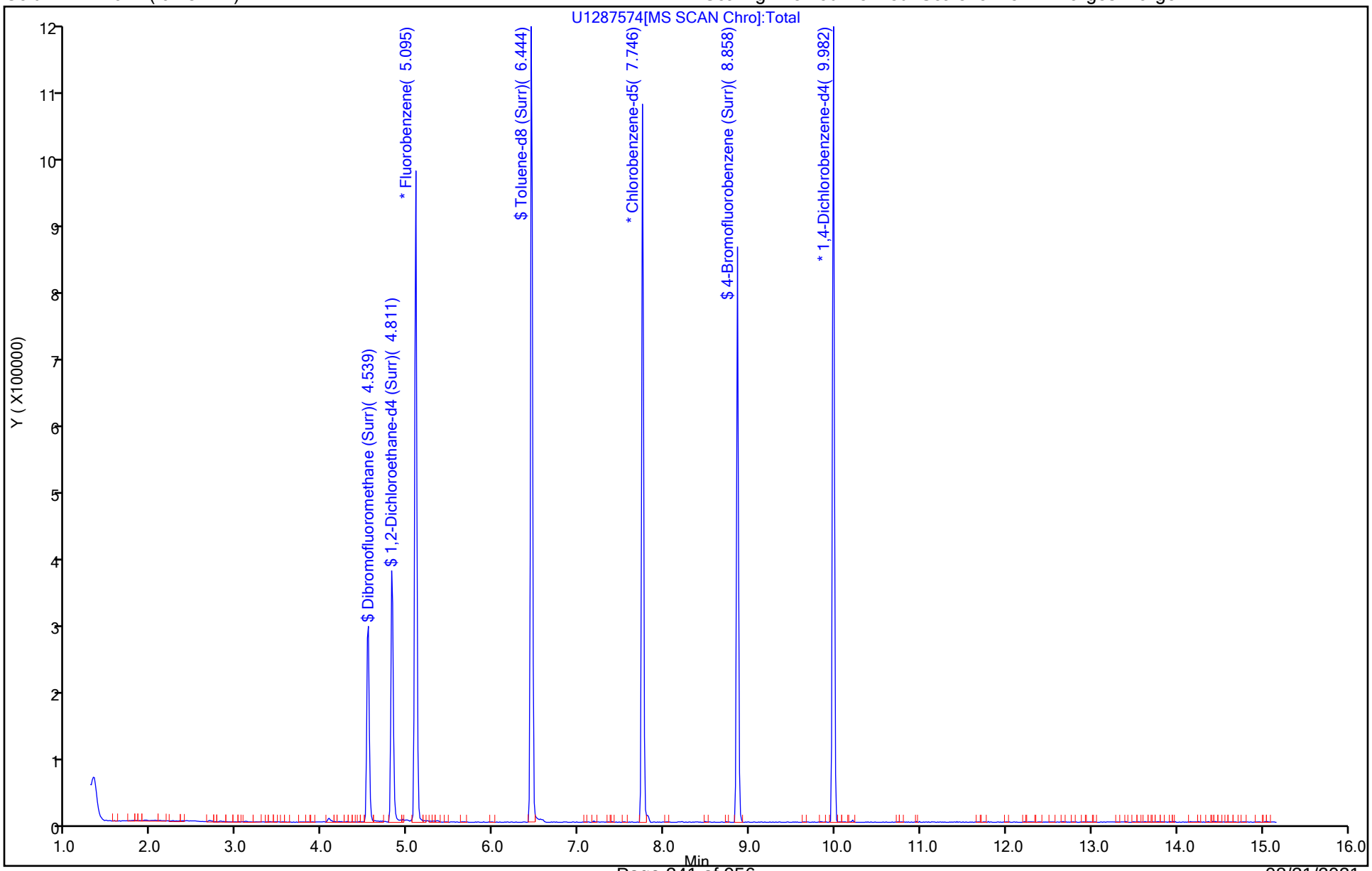
Report Date: 23-Aug-2021 13:59:45 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287574.D

Injection Date:	21-Aug-2021 20:56:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-2	Lab Sample ID:	240-154716-2	Worklist Smp#:	27
Client ID:	MSA-SW37B-081721				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
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\20210821-112421.b\U1287574.D				
Lims ID:	240-154716-B-2				
Client ID:	MSA-SW37B-081721				
Sample Type:	Client				
Inject. Date:	21-Aug-2021 20:56:30	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112421-027				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	23-Aug-2021 13:59:45	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1677				

First Level Reviewer: laveyt Date: 23-Aug-2021 13:59:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.3	96.62
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.7	108.48
$ 6 Toluene-d8 (Surr)	20.0	18.1	90.70
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.6	98.24

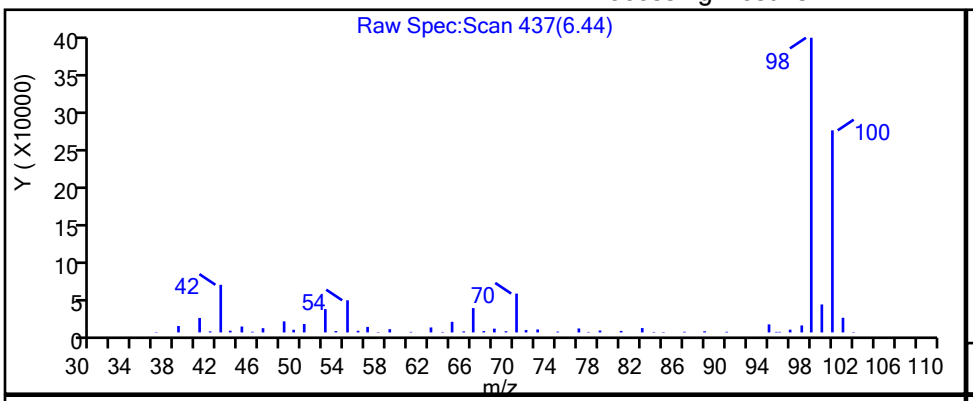
User Disabled Compound Report

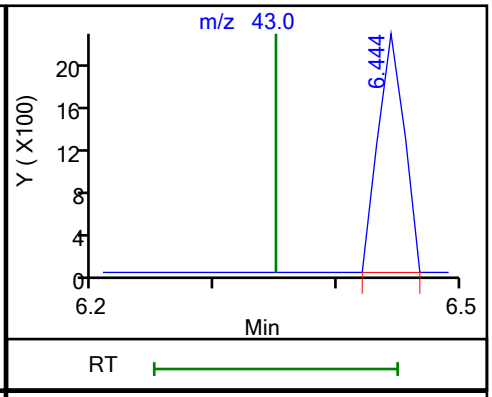
Eurofins TestAmerica, Canton

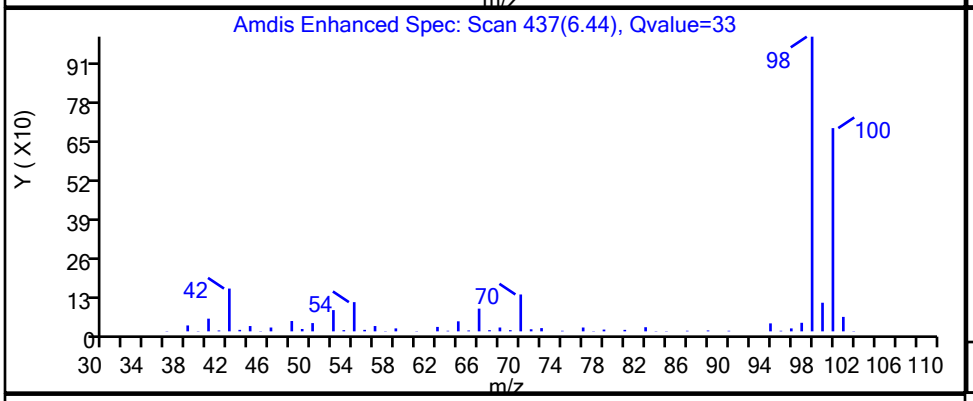
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287574.D				
Injection Date:	21-Aug-2021 20:56:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-B-2	Lab Sample ID:	240-154716-2		
Client ID:	MSA-SW37B-081721				
Operator ID:	001904	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

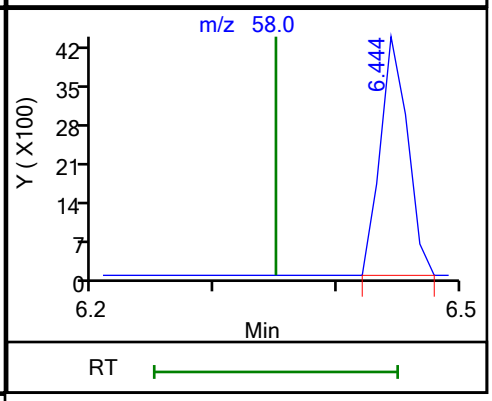
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

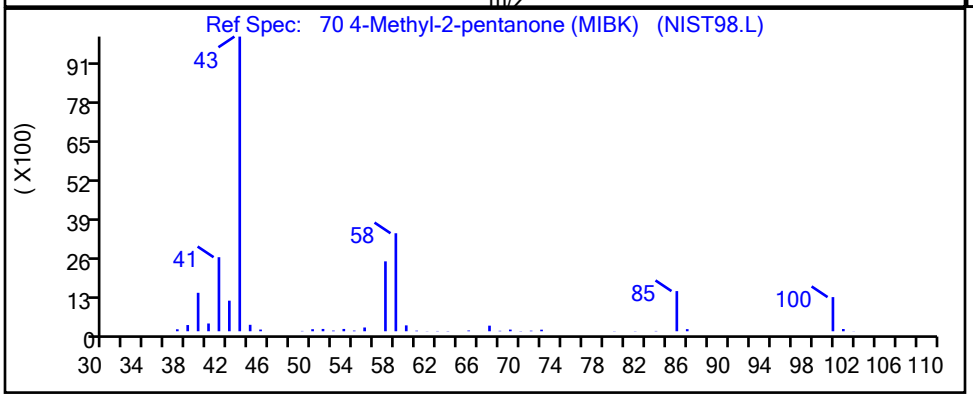
Processing Results











RT	Mass	Response	Amount
6.44	43.00	3345	0.223804
6.44	58.00	6737	

Reviewer: laveyt, 23-Aug-2021 13:59:39

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-081721 Lab Sample ID: 240-154716-3

Matrix: Water Lab File ID: U1287575.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:22

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:19

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U *+	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-081721 Lab Sample ID: 240-154716-3

Matrix: Water Lab File ID: U1287575.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:22

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:19

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-081721 Lab Sample ID: 240-154716-3

Matrix: Water Lab File ID: U1287575.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:22

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:19

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	100		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-081721 Lab Sample ID: 240-154716-3

Matrix: Water Lab File ID: U1287575.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:22

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:19

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.: 500502 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-081721 Lab Sample ID: 240-154716-3

Matrix: Water Lab File ID: U1287575.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:22

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:19

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.: 500502 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\20210821-112421.b\U1287575.D
Lims ID: 240-154716-A-3
Client ID: MSA-SW37C-081721
Sample Type: Client
Inject. Date: 21-Aug-2021 21:19:30 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112421-028
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 14:00:13 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 14:00:13

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	98	755790	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	503656	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	260642	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.539	0.000	91	191300	20.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	266087	23.5	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	710517	19.0	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	261352	19.8	
9 Dichlorodifluoromethane	85		1.415				ND	
10 Chloromethane	50		1.640				ND	
12 Vinyl chloride	62		1.688				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.255				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.670				ND	
23 Acetone	43		2.693				ND	7
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.178				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.137				ND	
41 cis-1,2-Dichloroethene	96		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		4.681				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		4.859				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		5.592				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		6.220				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.350				ND	U
71 Toluene	91		6.504				ND	7
72 trans-1,3-Dichloropropene	75		6.705				ND	
76 Tetrachloroethene	166		6.989				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	
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	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.048				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.190				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.959				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.065				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.148				ND	
117 Naphthalene	128		12.219				ND	7
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

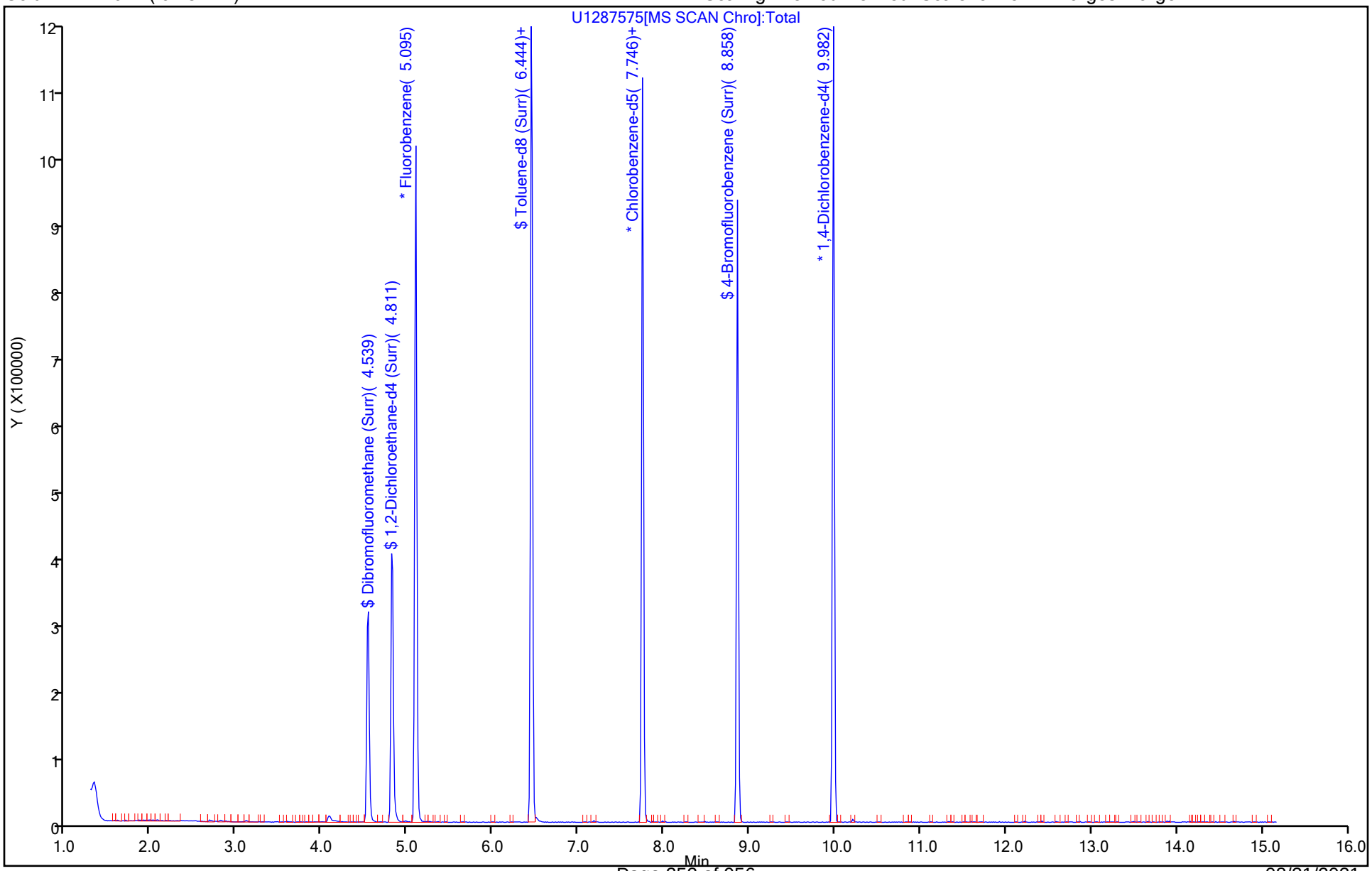
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 23-Aug-2021 14:00:13 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287575.D				
Injection Date:	21-Aug-2021 21:19:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-A-3	Lab Sample ID:	240-154716-3	Worklist Smp#:	28
Client ID:	MSA-SW37C-081721				
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\20210821-112421.b\U1287575.D				
Lims ID:	240-154716-A-3				
Client ID:	MSA-SW37C-081721				
Sample Type:	Client				
Inject. Date:	21-Aug-2021 21:19:30	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112421-028				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	23-Aug-2021 14:00:13	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1677				

First Level Reviewer: laveyt Date: 23-Aug-2021 14:00:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.1	100.50
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.5	117.42
$ 6 Toluene-d8 (Surr)	20.0	19.0	95.19
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.8	98.75

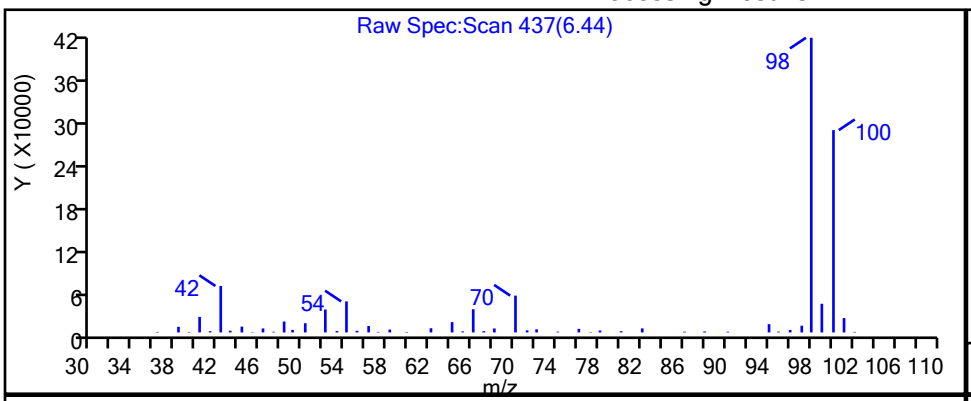
User Disabled Compound Report

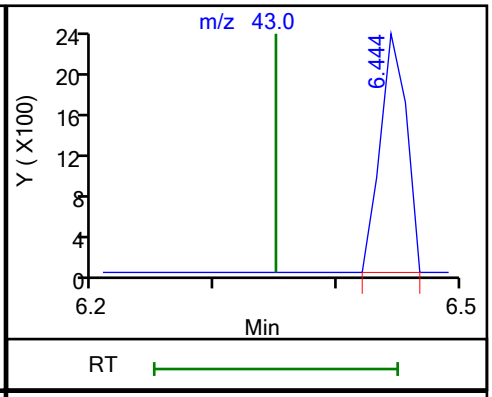
Eurofins TestAmerica, Canton

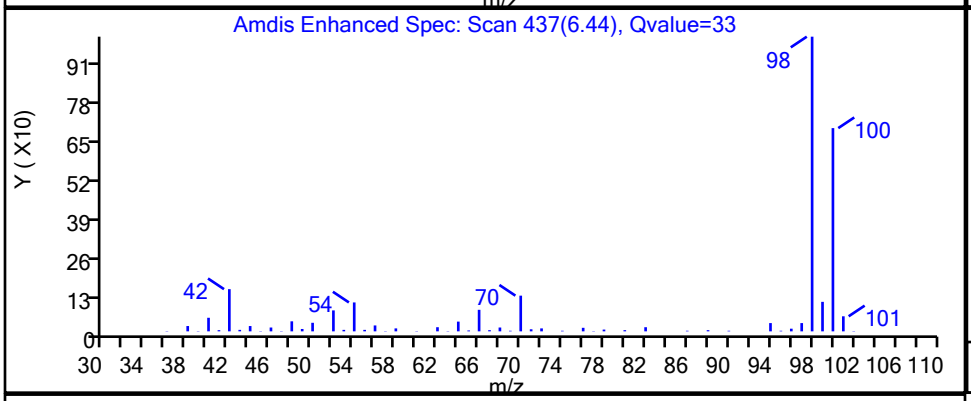
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287575.D				
Injection Date:	21-Aug-2021 21:19:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-A-3	Lab Sample ID:	240-154716-3		
Client ID:	MSA-SW37C-081721				
Operator ID:	001904	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

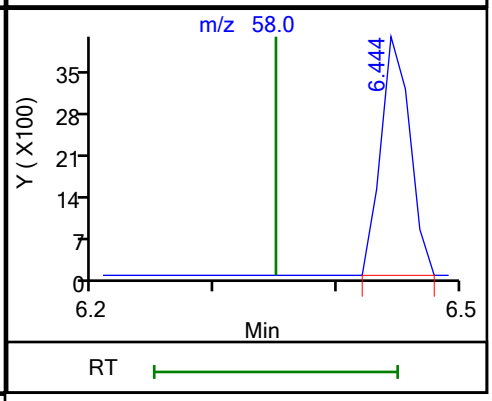
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

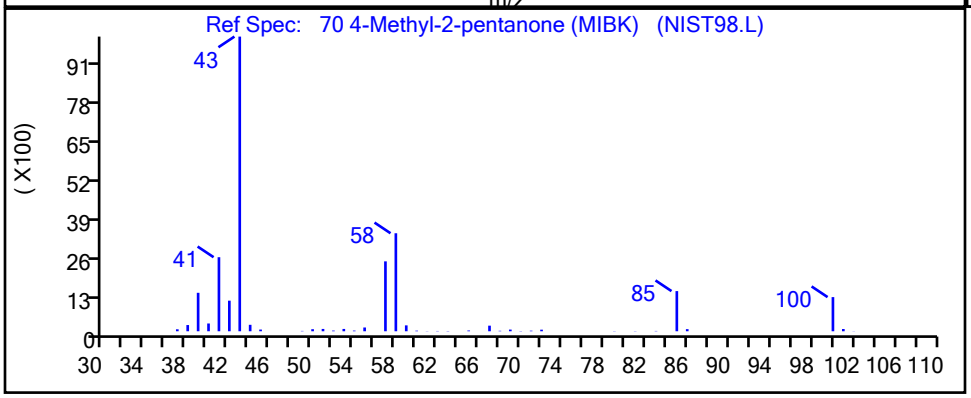
Processing Results











RT	Mass	Response	Amount
6.44	43.00	3582	0.235848
6.44	58.00	6663	

Reviewer: laveyt, 23-Aug-2021 14:00:05

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-081721 Lab Sample ID: 240-154716-4

Matrix: Water Lab File ID: U1287576.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:25

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:41

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U *+	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-081721 Lab Sample ID: 240-154716-4

Matrix: Water Lab File ID: U1287576.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:25

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:41

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-081721 Lab Sample ID: 240-154716-4

Matrix: Water Lab File ID: U1287576.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:25

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:41

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	90		56-136
1868-53-7	Dibromofluoromethane (Surr)	93		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		62-137
2037-26-5	Toluene-d8 (Surr)	91		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-081721 Lab Sample ID: 240-154716-4

Matrix: Water Lab File ID: U1287576.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:25

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:41

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.: 500502 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-081721 Lab Sample ID: 240-154716-4

Matrix: Water Lab File ID: U1287576.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:25

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 21:41

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.: 500502 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\20210821-112421.b\U1287576.D
Lims ID: 240-154716-A-4
Client ID: MSA-SW37D-081721
Sample Type: Client
Inject. Date: 21-Aug-2021 21:41:30 ALS Bottle#: 28 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112421-029
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 14:00:13 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 14:00:49

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	98	747037	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	91	508390	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	268479	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.539	0.000	92	175871	18.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	248742	22.2	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	683756	18.2	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	241438	18.1	
9 Dichlorodifluoromethane	85		1.415				ND	
10 Chloromethane	50		1.640				ND	
12 Vinyl chloride	62		1.688				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.255				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.670				ND	
23 Acetone	43		2.693				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.178				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.137				ND	
41 cis-1,2-Dichloroethene	96		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		4.681				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		4.859				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		5.592				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		6.220				ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.350				ND	
71 Toluene	91		6.504				ND	
72 trans-1,3-Dichloropropene	75		6.705				ND	
76 Tetrachloroethene	166		6.989				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	
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	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.048				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.190				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.959				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.065				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.148				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Reagents:

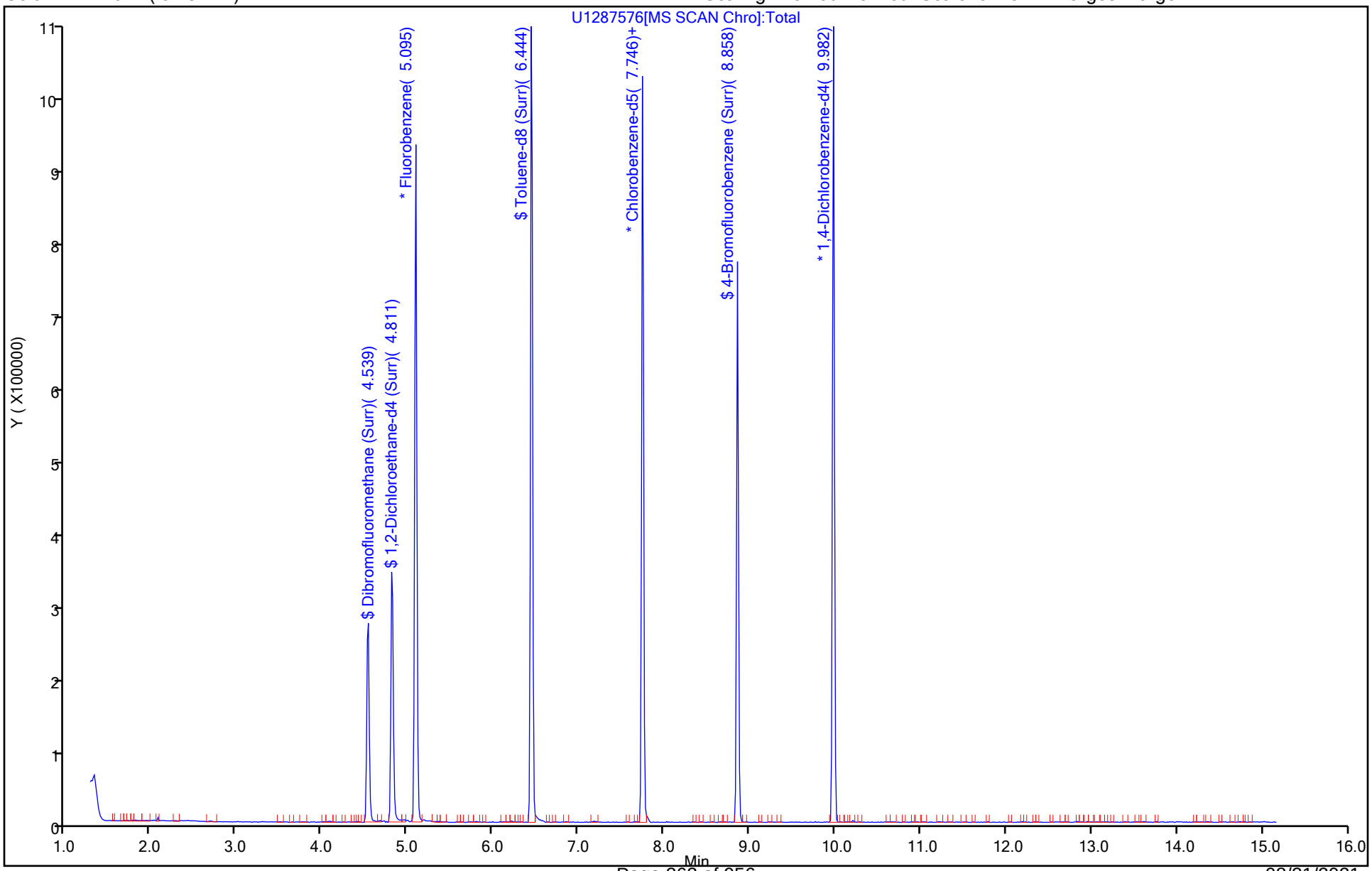
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 23-Aug-2021 14:00:50 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287576.D				
Injection Date:	21-Aug-2021 21:41:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-A-4	Lab Sample ID:	240-154716-4	Worklist Smp#:	29
Client ID:	MSA-SW37D-081721				
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\20210821-112421.b\U1287576.D				
Lims ID:	240-154716-A-4				
Client ID:	MSA-SW37D-081721				
Sample Type:	Client				
Inject. Date:	21-Aug-2021 21:41:30	ALS Bottle#:	28	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112421-029				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	23-Aug-2021 14:00:13	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1677				

First Level Reviewer: laveyt Date: 23-Aug-2021 14:00:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.7	93.48
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.2	111.06
$ 6 Toluene-d8 (Surr)	20.0	18.2	90.75
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.1	90.38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-081721 Lab Sample ID: 240-154716-5

Matrix: Water Lab File ID: U1287588.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:13

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:18

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-081721 Lab Sample ID: 240-154716-5

Matrix: Water Lab File ID: U1287588.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:13

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:18

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-081721 Lab Sample ID: 240-154716-5

Matrix: Water Lab File ID: U1287588.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:13

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:18

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		56-136
1868-53-7	Dibromofluoromethane (Surr)	96		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		62-137
2037-26-5	Toluene-d8 (Surr)	89		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-081721 Lab Sample ID: 240-154716-5

Matrix: Water Lab File ID: U1287588.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:13

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:18

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-081721 Lab Sample ID: 240-154716-5

Matrix: Water Lab File ID: U1287588.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:13

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:18

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.: 500679 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\20210823-112466.b\U1287588.D
Lims ID: 240-154716-B-5
Client ID: MSA-SW38A-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 19:18:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-009
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 19:42:19 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 19:42:19

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	760775	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	517847	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	268425	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	183704	19.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	251484	22.1	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	683670	17.8	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	257026	18.9	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	7
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	7
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

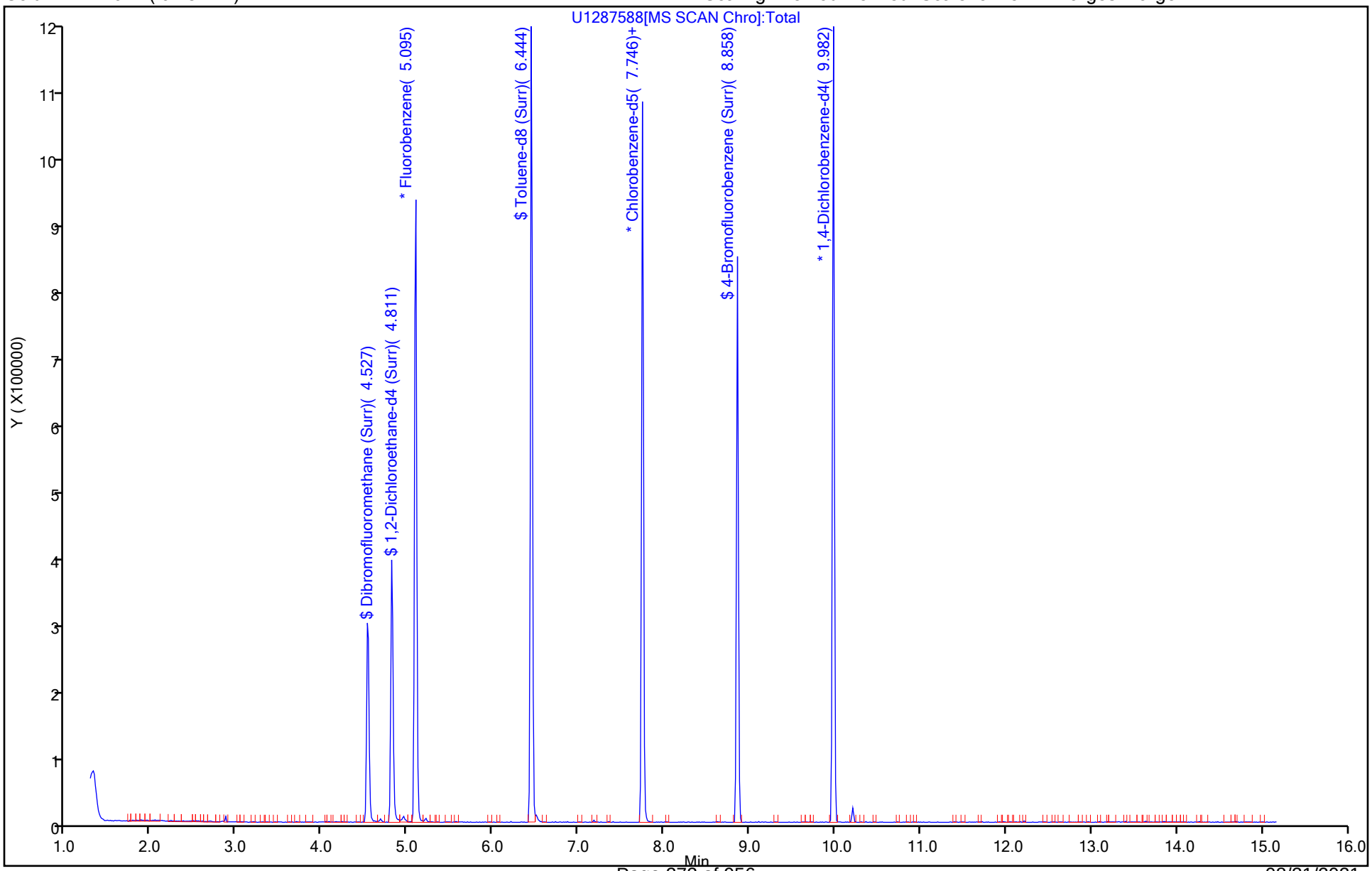
Report Date: 23-Aug-2021 19:42:19 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287588.D

Injection Date:	23-Aug-2021 19:18:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-5	Lab Sample ID:	240-154716-5	Worklist Smp#:	9
Client ID:	MSA-SW38A-081721				
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



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287588.D
Lims ID: 240-154716-B-5
Client ID: MSA-SW38A-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 19:18:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-009
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 19:42:19 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 19:42:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.2	95.88
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.1	110.25
$ 6 Toluene-d8 (Surr)	20.0	17.8	89.08
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.9	94.46

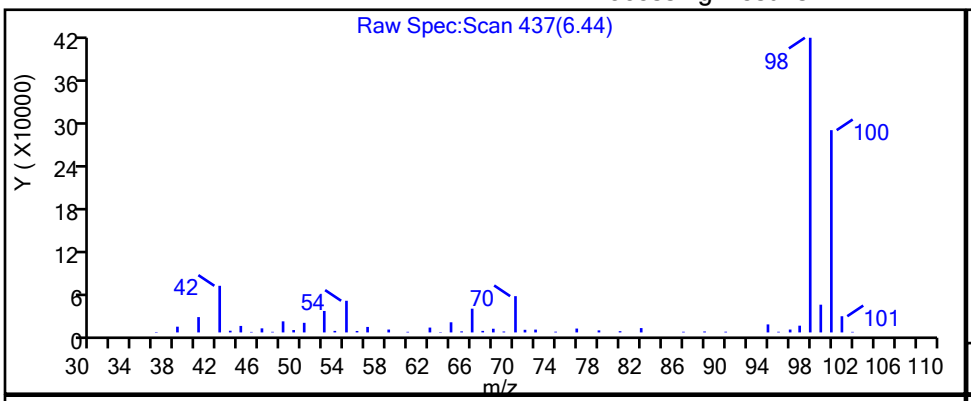
User Disabled Compound Report

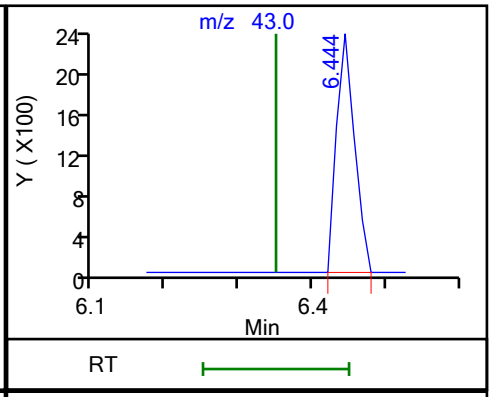
Eurofins TestAmerica, Canton

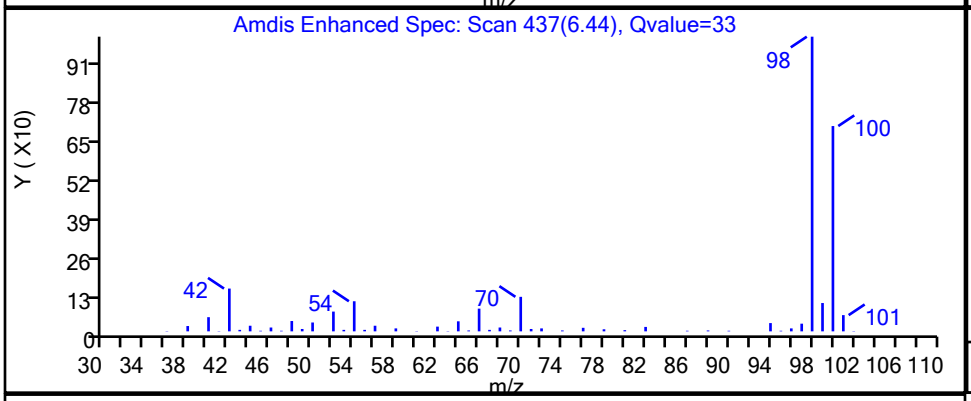
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287588.D				
Injection Date:	23-Aug-2021 19:18:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-B-5	Lab Sample ID:	240-154716-5		
Client ID:	MSA-SW38A-081721				
Operator ID:	001904	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

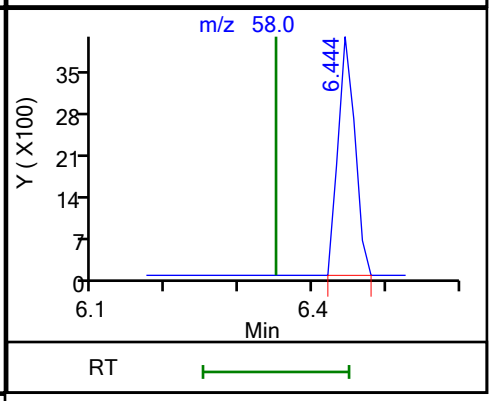
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

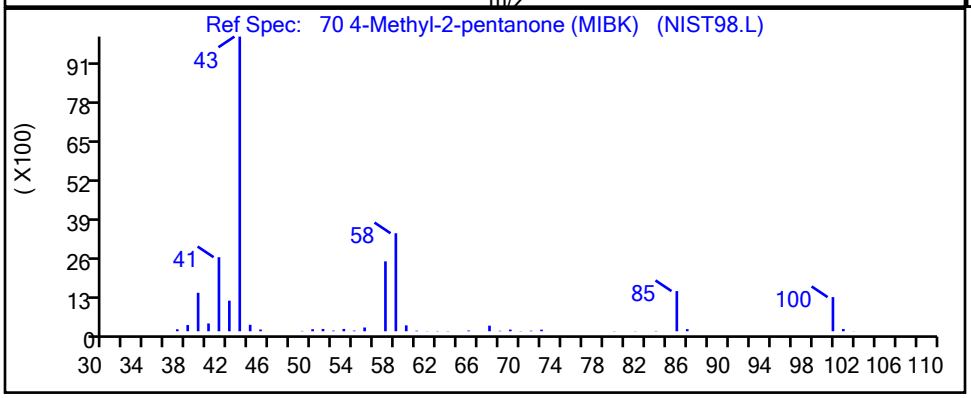
Processing Results











RT	Mass	Response	Amount
6.44	43.00	4074	0.266485
6.44	58.00	6433	

Reviewer: laveyt, 23-Aug-2021 19:41:59

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-081721 Lab Sample ID: 240-154716-6

Matrix: Water Lab File ID: U1287589.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:15

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:40

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-081721 Lab Sample ID: 240-154716-6

Matrix: Water Lab File ID: U1287589.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:15

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:40

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-081721 Lab Sample ID: 240-154716-6

Matrix: Water Lab File ID: U1287589.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:15

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:40

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-081721 Lab Sample ID: 240-154716-6

Matrix: Water Lab File ID: U1287589.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:15

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:40

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-081721 Lab Sample ID: 240-154716-6

Matrix: Water Lab File ID: U1287589.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:15

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 19:40

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.: 500679 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\20210823-112466.b\U1287589.D
Lims ID: 240-154716-B-6
Client ID: MSA-SW38B-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 19:40:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-010
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 20:38:19 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 20:38:19

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	98	742002	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	492326	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	259281	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	184606	19.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	246986	22.2	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	673554	18.5	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	248334	19.2	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	7
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	7
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

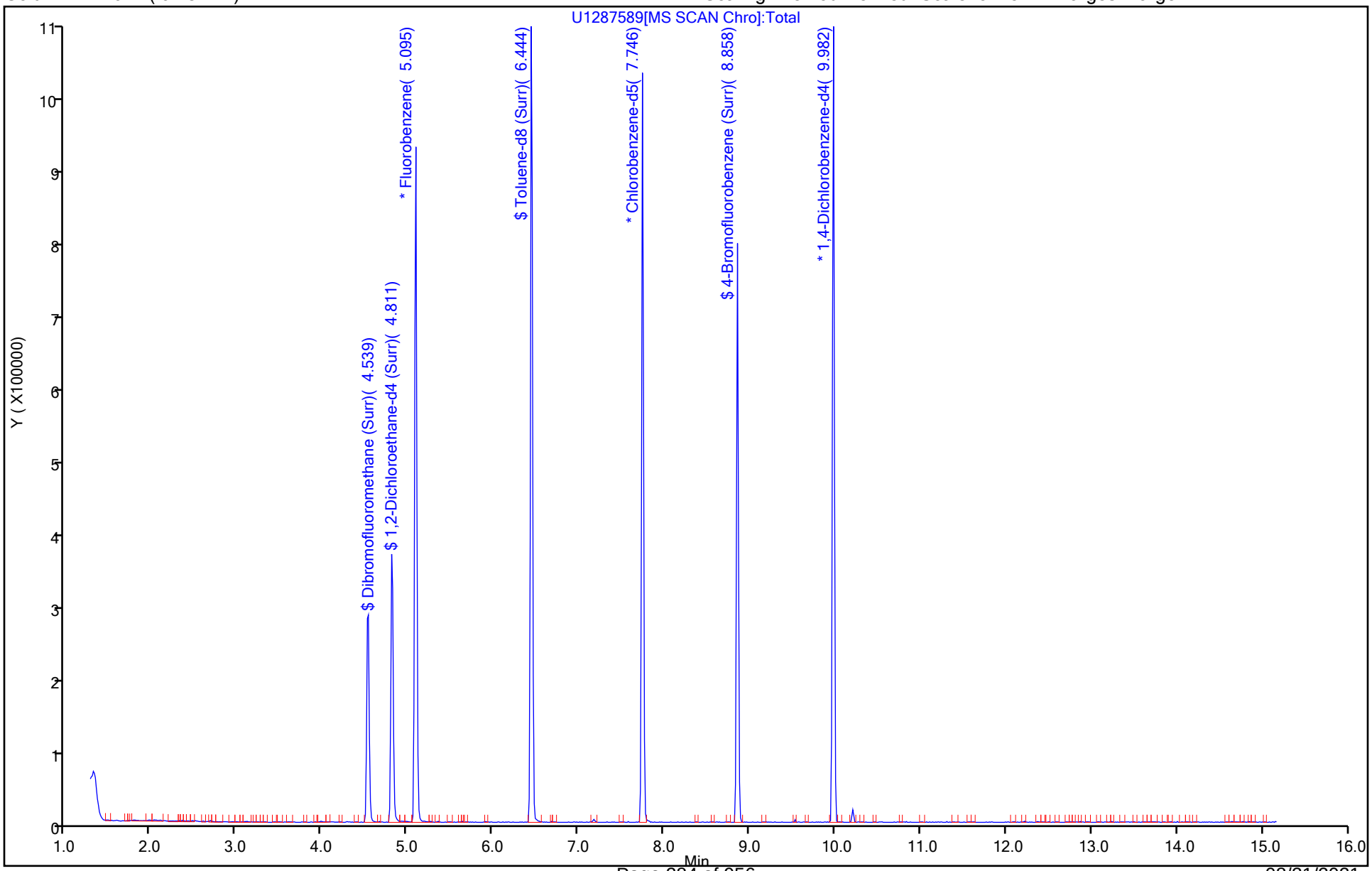
Report Date: 23-Aug-2021 20:38:19 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287589.D

Injection Date:	23-Aug-2021 19:40:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-6	Lab Sample ID:	240-154716-6	Worklist Smp#:	10
Client ID:	MSA-SW38B-081721				
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



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287589.D
Lims ID: 240-154716-B-6
Client ID: MSA-SW38B-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 19:40:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-010
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 20:38:19 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 20:38:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.8	98.79
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.2	111.02
$ 6 Toluene-d8 (Surr)	20.0	18.5	92.31
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.2	95.99

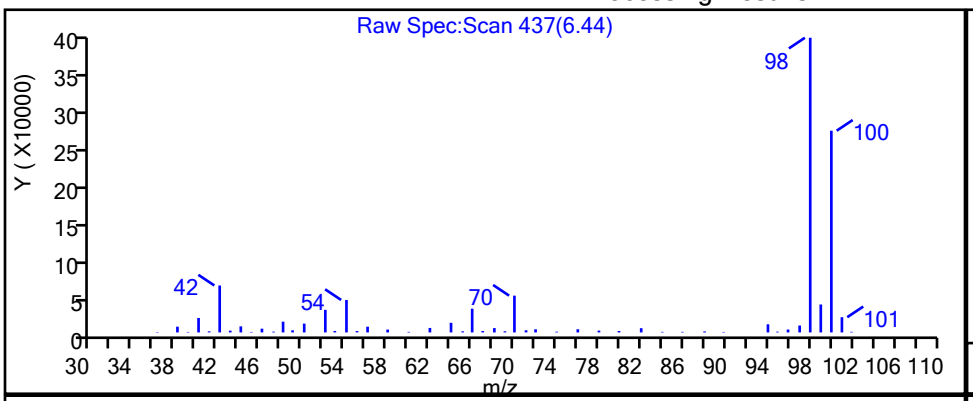
User Disabled Compound Report

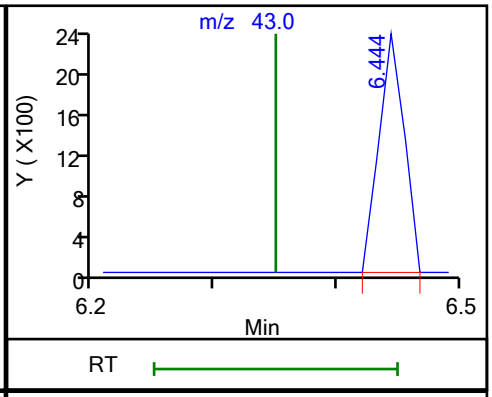
Eurofins TestAmerica, Canton

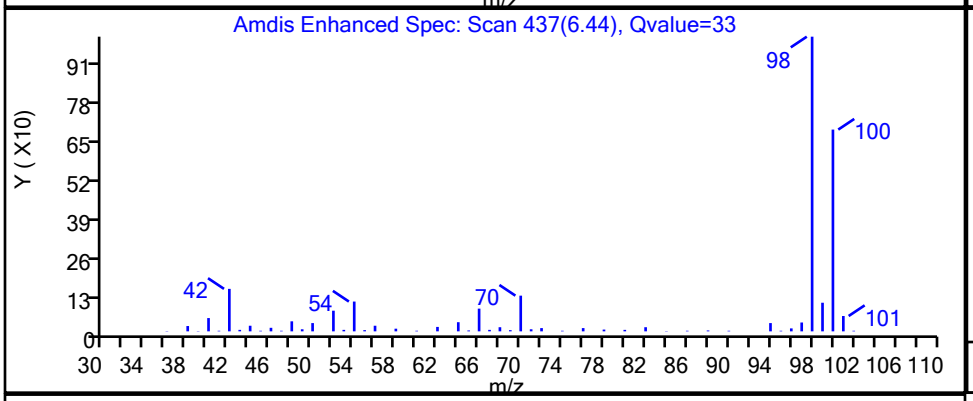
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287589.D				
Injection Date:	23-Aug-2021 19:40:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-B-6	Lab Sample ID:	240-154716-6		
Client ID:	MSA-SW38B-081721				
Operator ID:	001904	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

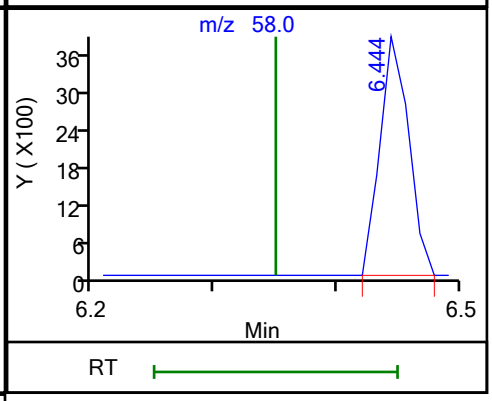
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

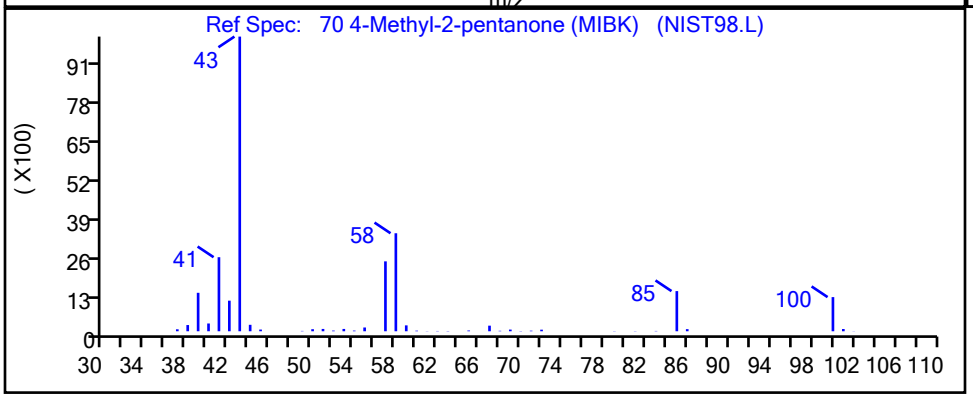
Processing Results











RT	Mass	Response	Amount
6.44	43.00	3371	0.226080
6.44	58.00	6250	

Reviewer: laveyt, 23-Aug-2021 20:38:13

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-081721 Lab Sample ID: 240-154716-7

Matrix: Water Lab File ID: U1287590.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:17

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:03

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-081721 Lab Sample ID: 240-154716-7

Matrix: Water Lab File ID: U1287590.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:17

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:03

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-081721 Lab Sample ID: 240-154716-7

Matrix: Water Lab File ID: U1287590.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:17

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:03

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-081721 Lab Sample ID: 240-154716-7

Matrix: Water Lab File ID: U1287590.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:17

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:03

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-081721 Lab Sample ID: 240-154716-7

Matrix: Water Lab File ID: U1287590.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:17

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:03

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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\20210823-112466.b\U1287590.D
Lims ID: 240-154716-B-7
Client ID: MSA-SW38C-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 20:03:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-011
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 20:38:19 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 20:38:32

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	98	756826	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	506527	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	274039	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	185274	19.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	259073	22.8	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	700867	18.7	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	264527	19.9	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

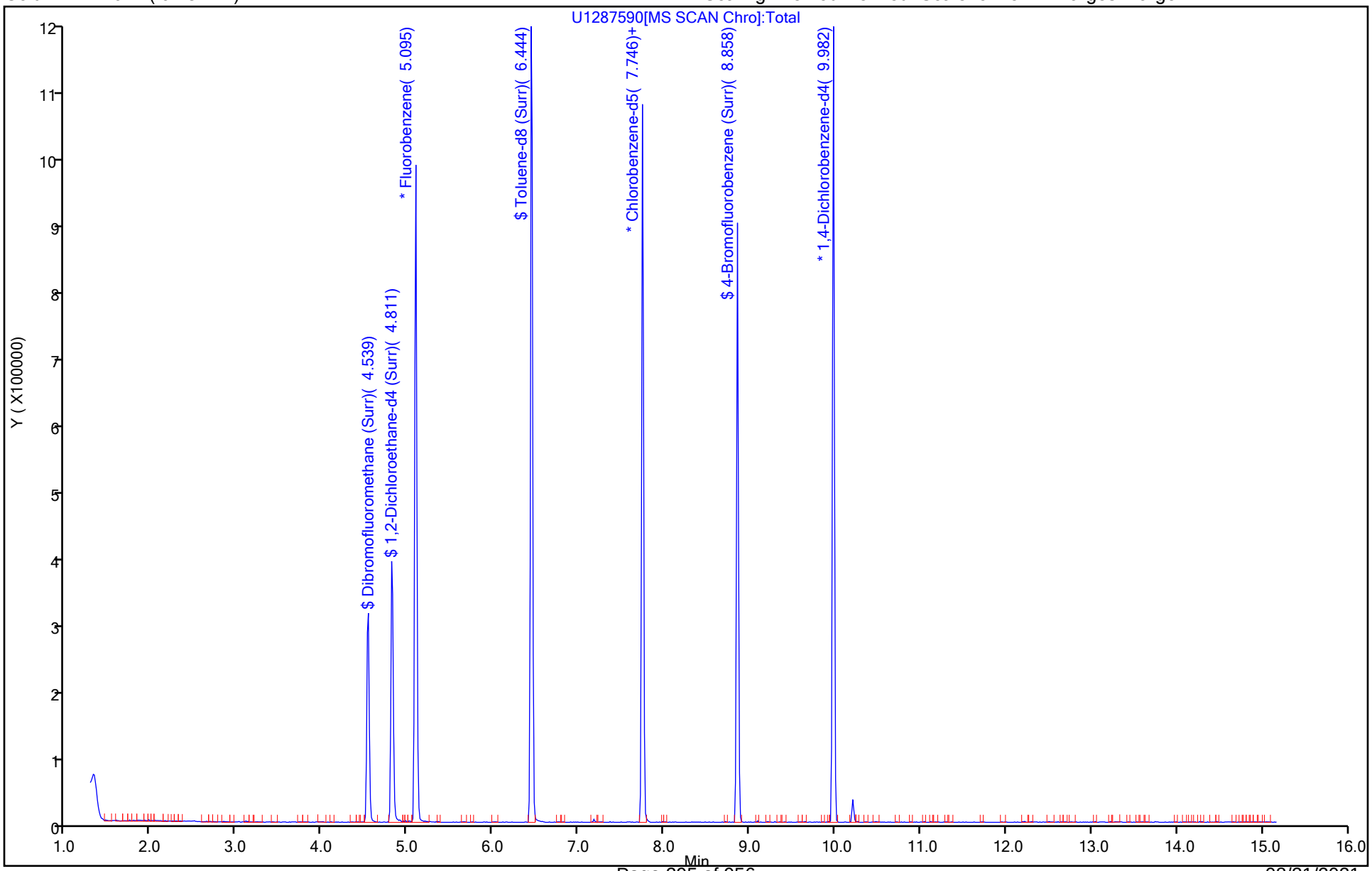
Report Date: 23-Aug-2021 20:38:32 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287590.D

Injection Date:	23-Aug-2021 20:03:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-7	Lab Sample ID:	240-154716-7	Worklist Smp#:	11
Client ID:	MSA-SW38C-081721				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
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\20210823-112466.b\U1287590.D
Lims ID: 240-154716-B-7
Client ID: MSA-SW38C-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 20:03:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-011
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 20:38:19 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 20:38:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.4	97.20
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.8	114.17
$ 6 Toluene-d8 (Surr)	20.0	18.7	93.37
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.9	99.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-081721 Lab Sample ID: 240-154716-8

Matrix: Water Lab File ID: U1287591.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:25

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-081721 Lab Sample ID: 240-154716-8

Matrix: Water Lab File ID: U1287591.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:25

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-081721 Lab Sample ID: 240-154716-8

Matrix: Water Lab File ID: U1287591.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:25

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	100		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-081721 Lab Sample ID: 240-154716-8

Matrix: Water Lab File ID: U1287591.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:25

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-081721 Lab Sample ID: 240-154716-8

Matrix: Water Lab File ID: U1287591.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:25

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.: 500679 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\20210823-112466.b\U1287591.D
Lims ID: 240-154716-B-8
Client ID: MSA-SW38D-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 20:25:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-012
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 18:41:04 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 20:42:32

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	98	749987	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	494361	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	249141	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	188180	19.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	254661	22.7	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	93	687413	18.8	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	254150	19.6	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				ND	7
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		5.592				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	6.503	0.000	97	4965	0.1169	
72 trans-1,3-Dichloropropene	75		6.705				ND	
76 Tetrachloroethene	166		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	7
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

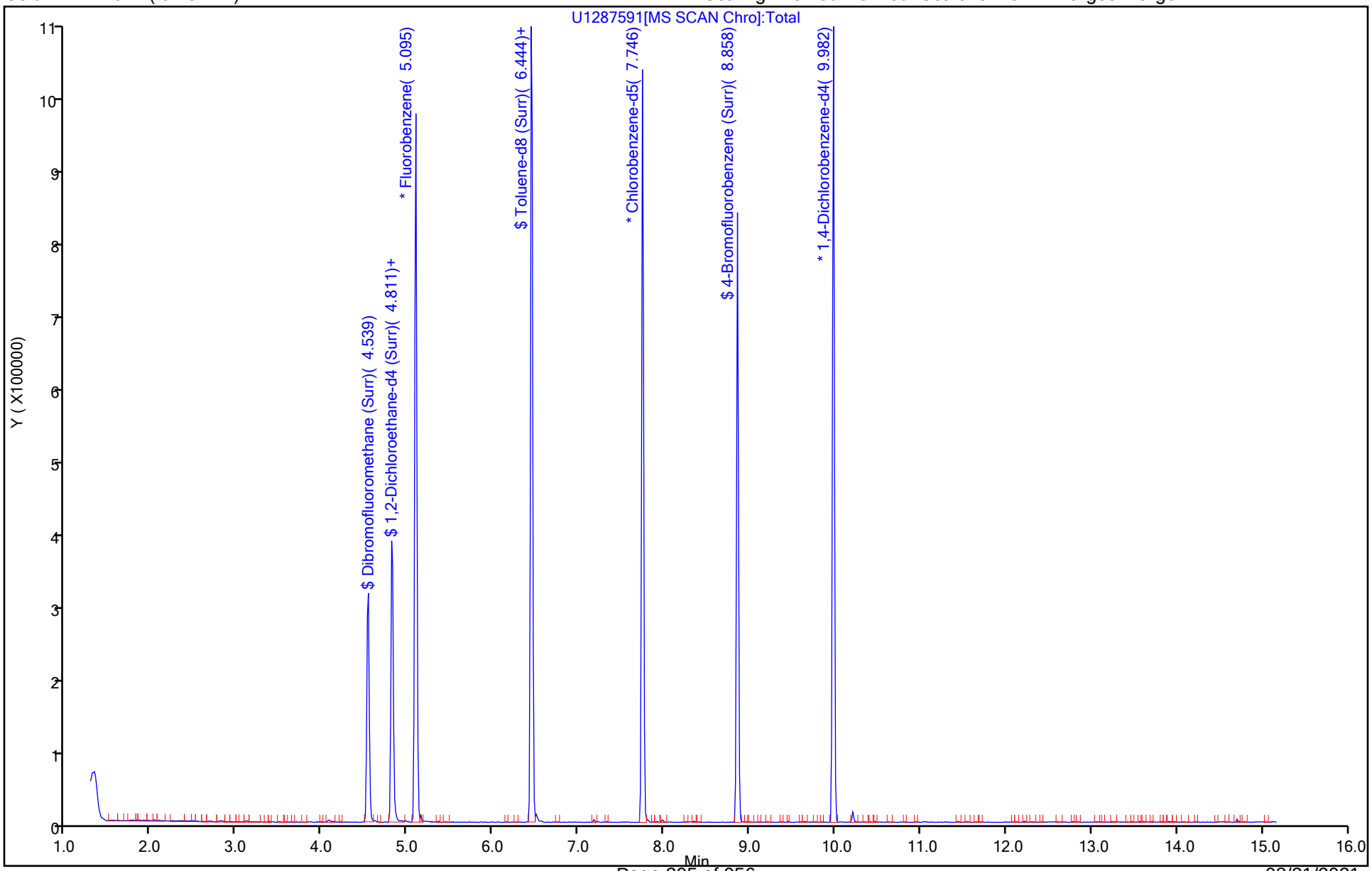
Report Date: 23-Aug-2021 20:42:32 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287591.D

Injection Date:	23-Aug-2021 20:25:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-8	Lab Sample ID:	240-154716-8	Worklist Smp#:	12
Client ID:	MSA-SW38D-081721				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
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\20210823-112466.b\U1287591.D				
Lims ID:	240-154716-B-8				
Client ID:	MSA-SW38D-081721				
Sample Type:	Client				
Inject. Date:	23-Aug-2021 20:25:30	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112466-012				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	23-Aug-2021 18:41:04	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1677				

First Level Reviewer: laveyt Date: 23-Aug-2021 20:42:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.9	99.63
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.7	113.25
$ 6 Toluene-d8 (Surr)	20.0	18.8	93.83
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.6	97.84

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-081721 Lab Sample ID: 240-154716-9

Matrix: Water Lab File ID: U1287592.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:55

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:47

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-081721 Lab Sample ID: 240-154716-9

Matrix: Water Lab File ID: U1287592.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:55

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:47

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-081721 Lab Sample ID: 240-154716-9

Matrix: Water Lab File ID: U1287592.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:55

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:47

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		56-136
1868-53-7	Dibromofluoromethane (Surr)	102		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-081721 Lab Sample ID: 240-154716-9

Matrix: Water Lab File ID: U1287592.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:55

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:47

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-081721 Lab Sample ID: 240-154716-9

Matrix: Water Lab File ID: U1287592.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:55

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 20:47

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.: 500679 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\20210823-112466.b\U1287592.D
Lims ID: 240-154716-B-9
Client ID: MSA-SW40A-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 20:47:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-013
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Aug-2021 00:35:22 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:18:10

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	98	665332	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	438058	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	234262	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	171302	20.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	221601	22.2	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	595831	18.4	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	223666	19.4	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	7
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

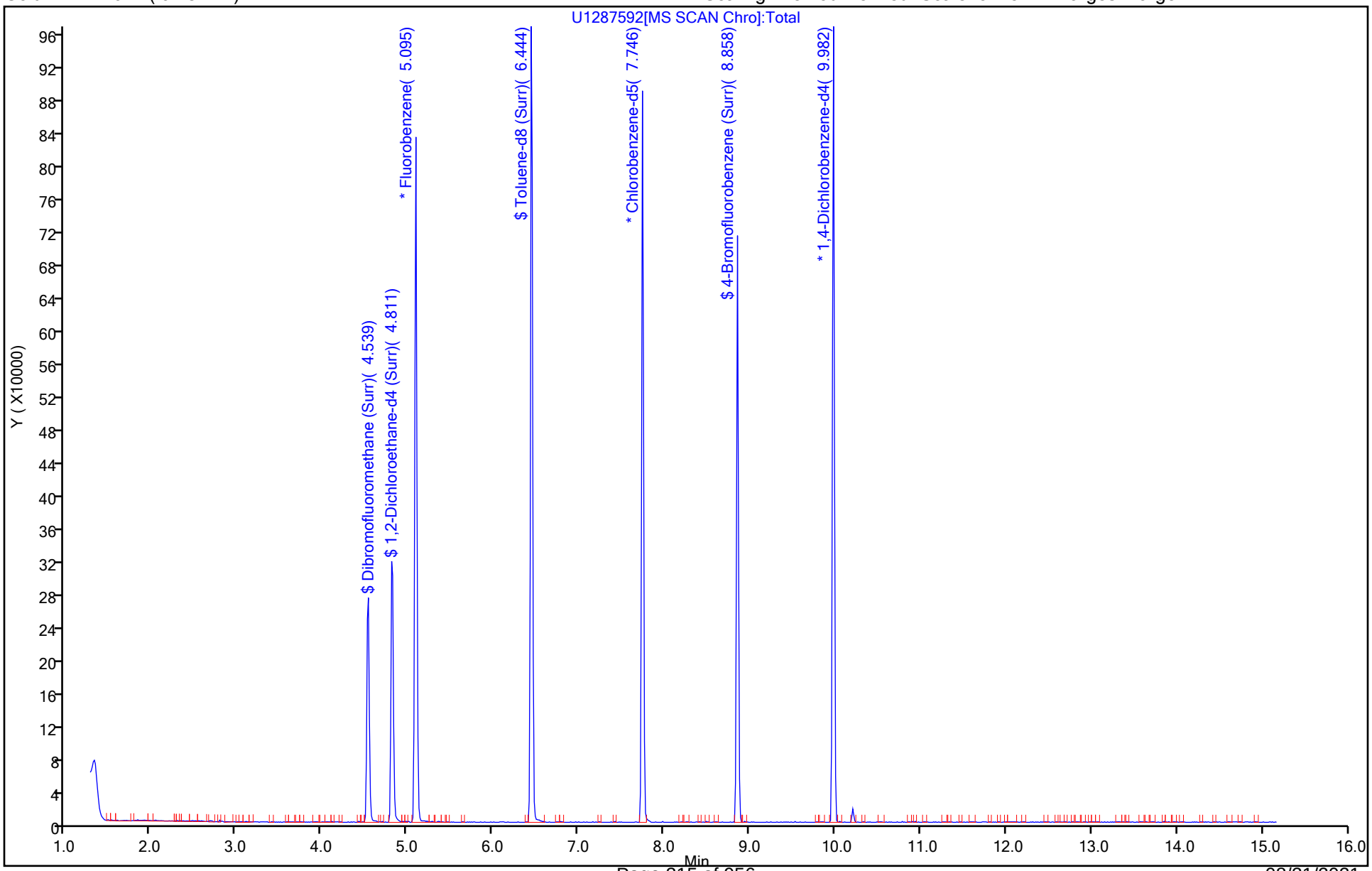
Report Date: 25-Aug-2021 13:18:10 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287592.D

Injection Date:	23-Aug-2021 20:47:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-9	Lab Sample ID:	240-154716-9	Worklist Smp#:	13
Client ID:	MSA-SW40A-081721				
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
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287592.D				
Lims ID:	240-154716-B-9				
Client ID:	MSA-SW40A-081721				
Sample Type:	Client				
Inject. Date:	23-Aug-2021 20:47:30	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112466-013				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	24-Aug-2021 00:35:22	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: laveyt Date: 25-Aug-2021 13:18:10

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.4	102.23
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.2	111.09
$ 6 Toluene-d8 (Surr)	20.0	18.4	91.78
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.4	97.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-081721 Lab Sample ID: 240-154716-10

Matrix: Water Lab File ID: U1287593.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:09

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-081721 Lab Sample ID: 240-154716-10

Matrix: Water Lab File ID: U1287593.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:09

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-081721 Lab Sample ID: 240-154716-10

Matrix: Water Lab File ID: U1287593.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:09

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-081721 Lab Sample ID: 240-154716-10

Matrix: Water Lab File ID: U1287593.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:09

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-081721 Lab Sample ID: 240-154716-10

Matrix: Water Lab File ID: U1287593.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:09

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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\20210823-112466.b\U1287593.D
Lims ID: 240-154716-B-10
Client ID: MSA-SW40B-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 21:09:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-014
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Aug-2021 00:35:22 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:18:29

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	98	645497	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	421371	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	237438	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	170912	21.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	217736	22.5	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	581306	18.6	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	217009	19.6	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	7
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

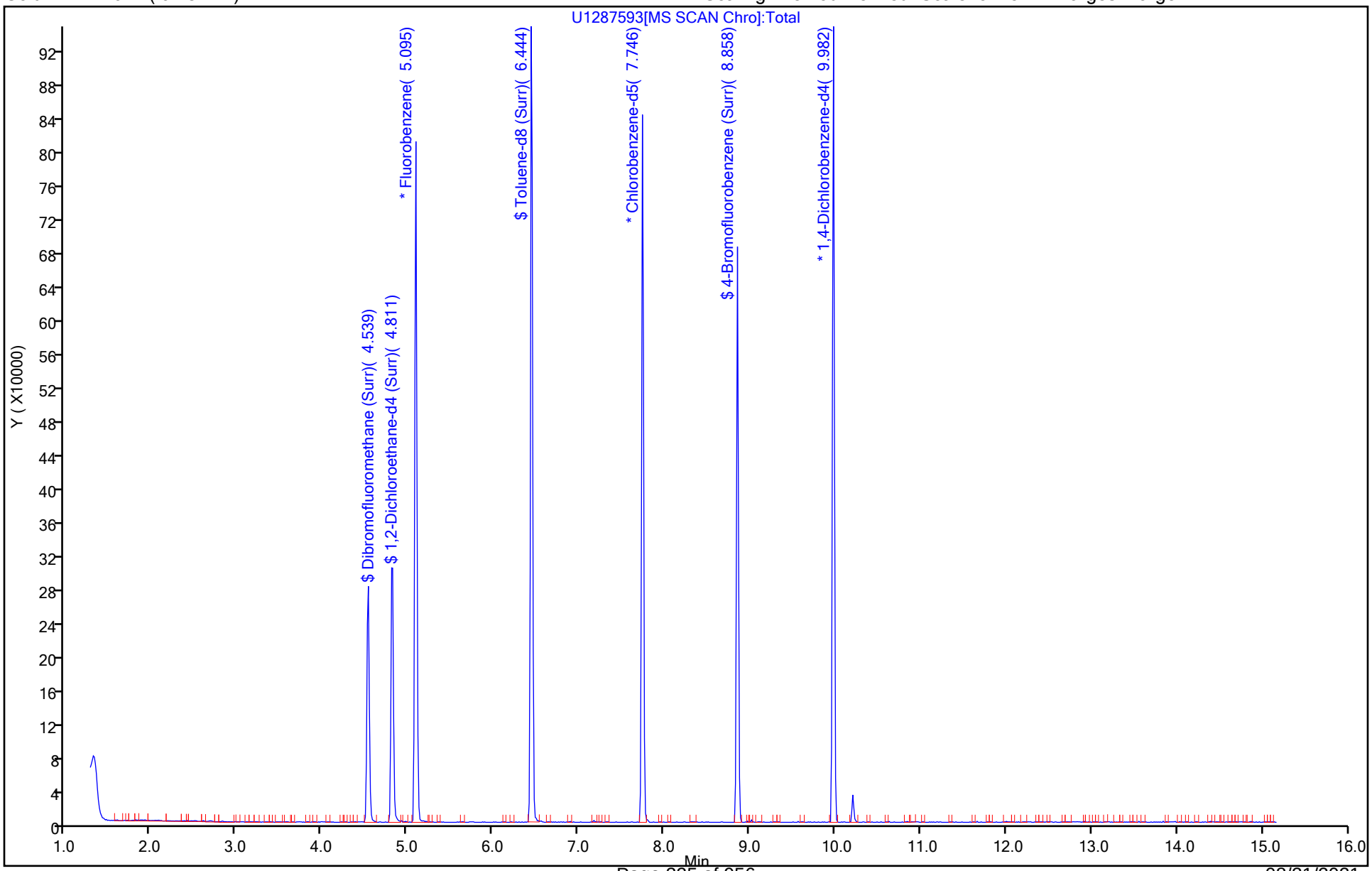
Report Date: 25-Aug-2021 13:18:30 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287593.D

Injection Date:	23-Aug-2021 21:09:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-10	Lab Sample ID:	240-154716-10	Worklist Smp#:	14
Client ID:	MSA-SW40B-081721				
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
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287593.D				
Lims ID:	240-154716-B-10				
Client ID:	MSA-SW40B-081721				
Sample Type:	Client				
Inject. Date:	23-Aug-2021 21:09:30	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112466-014				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	24-Aug-2021 00:35:22	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: laveyt Date: 25-Aug-2021 13:18:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.0	105.13
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.5	112.50
$ 6 Toluene-d8 (Surr)	20.0	18.6	93.09
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.6	98.01

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-081721 Lab Sample ID: 240-154716-11

Matrix: Water Lab File ID: U1287594.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-081721 Lab Sample ID: 240-154716-11

Matrix: Water Lab File ID: U1287594.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-081721 Lab Sample ID: 240-154716-11

Matrix: Water Lab File ID: U1287594.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		56-136
1868-53-7	Dibromofluoromethane (Surr)	101		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-081721 Lab Sample ID: 240-154716-11

Matrix: Water Lab File ID: U1287594.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-081721 Lab Sample ID: 240-154716-11

Matrix: Water Lab File ID: U1287594.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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\20210823-112466.b\U1287594.D
Lims ID: 240-154716-B-11
Client ID: MSA-SW40C-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 21:31:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-015
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:18:51 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:18:51

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	98	694570	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	449373	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	238731	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	176574	20.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.811	0.012	94	240014	23.1	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	634207	19.0	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	236925	20.1	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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	7
72 trans-1,3-Dichloropropene	75		6.705				ND	
76 Tetrachloroethene	166		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

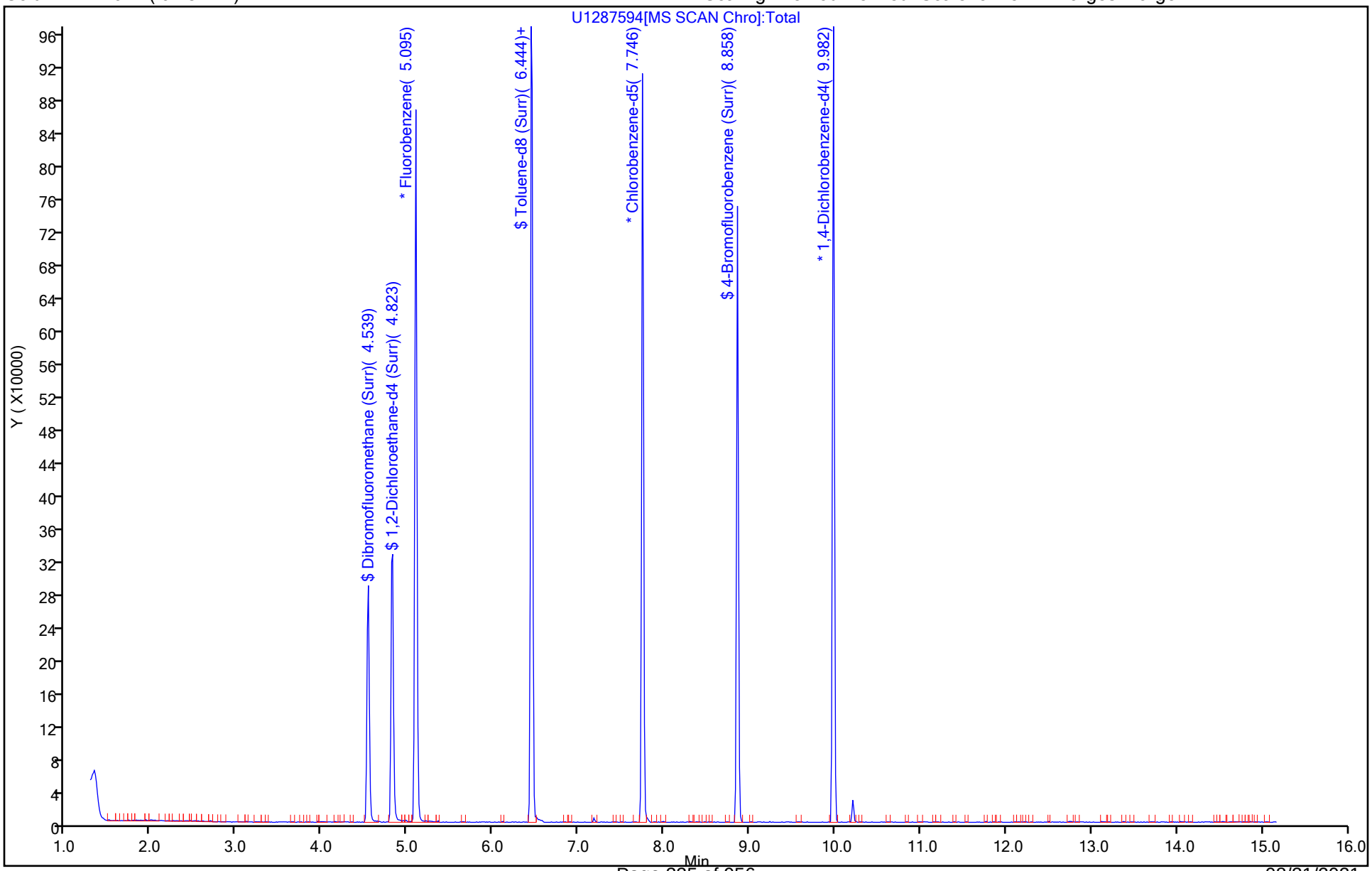
Report Date: 25-Aug-2021 13:18:51 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287594.D

Injection Date:	23-Aug-2021 21:31:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-11	Lab Sample ID:	240-154716-11	Worklist Smp#:	15
Client ID:	MSA-SW40C-081721				
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
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287594.D				
Lims ID:	240-154716-B-11				
Client ID:	MSA-SW40C-081721				
Sample Type:	Client				
Inject. Date:	23-Aug-2021 21:31:30	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112466-015				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	25-Aug-2021 13:18:51	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: laveyt Date: 25-Aug-2021 13:18:51

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.2	100.94
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.1	115.25
$ 6 Toluene-d8 (Surr)	20.0	19.0	95.23
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.1	100.34

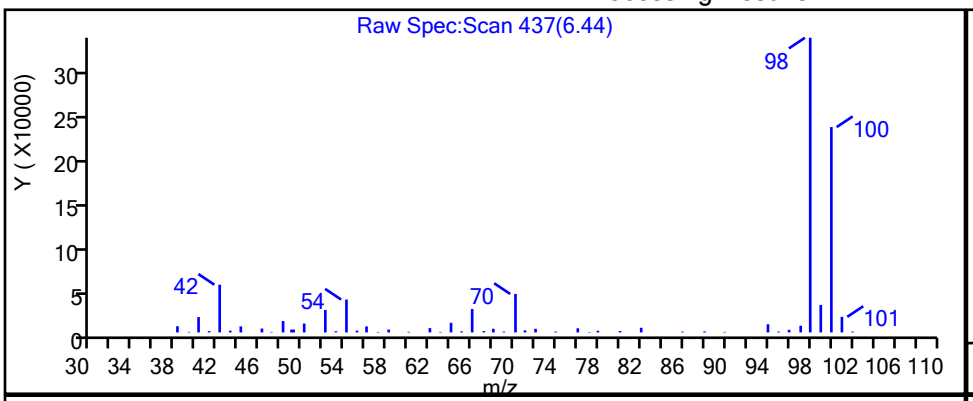
User Disabled Compound Report

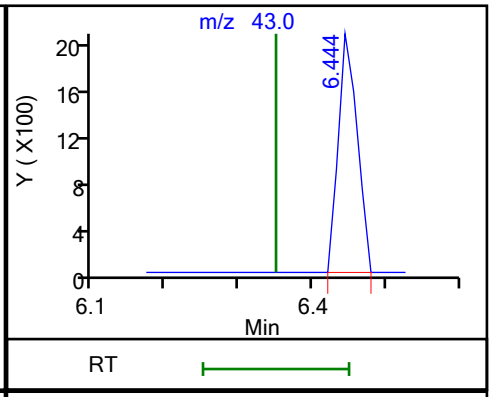
Eurofins TestAmerica, Canton

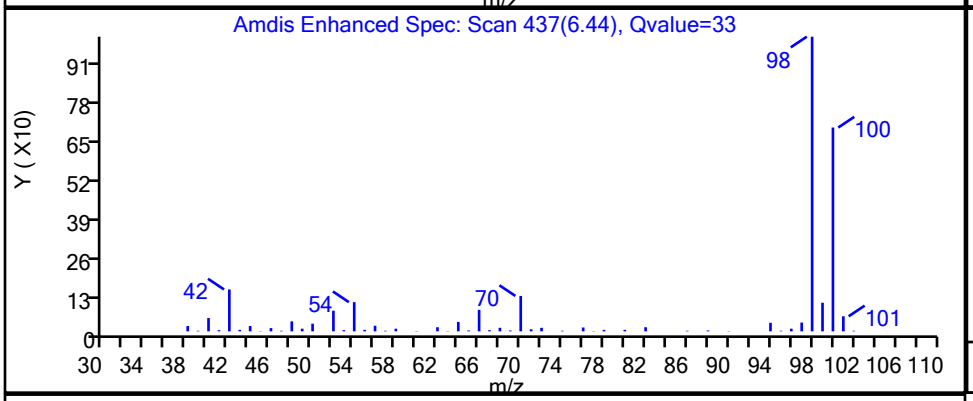
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287594.D				
Injection Date:	23-Aug-2021 21:31:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-B-11	Lab Sample ID:	240-154716-11		
Client ID:	MSA-SW40C-081721				
Operator ID:	001904	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

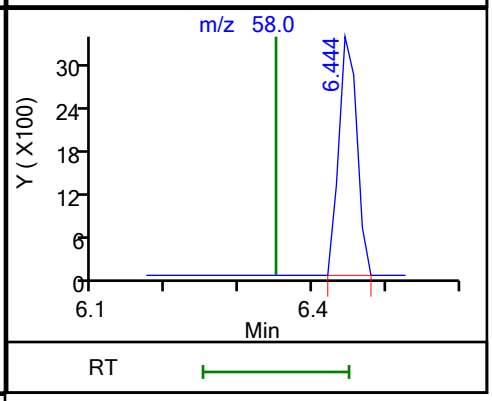
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

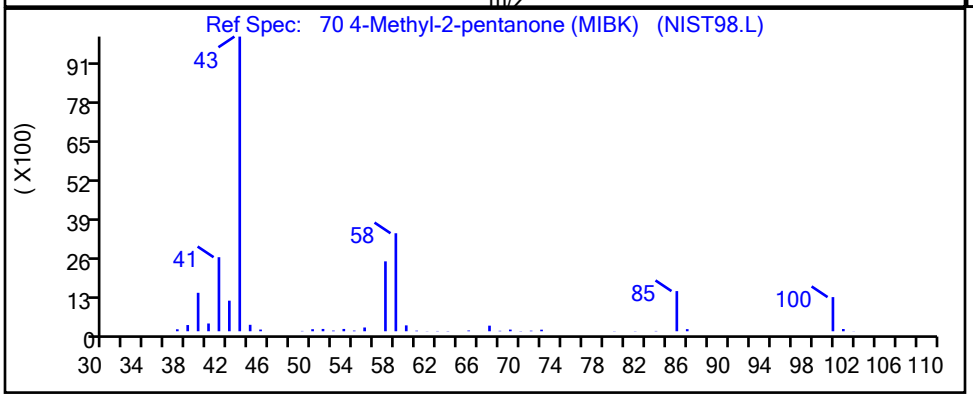
Processing Results











RT	Mass	Response	Amount
6.44	43.00	3601	0.257997
6.44	58.00	5711	

Reviewer: laveyt, 25-Aug-2021 13:18:42

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-081721 Lab Sample ID: 240-154716-12

Matrix: Water Lab File ID: U1287595.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:53

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-081721 Lab Sample ID: 240-154716-12

Matrix: Water Lab File ID: U1287595.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:53

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-081721 Lab Sample ID: 240-154716-12

Matrix: Water Lab File ID: U1287595.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:53

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		56-136
1868-53-7	Dibromofluoromethane (Surr)	102		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-081721 Lab Sample ID: 240-154716-12

Matrix: Water Lab File ID: U1287595.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:53

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-081721 Lab Sample ID: 240-154716-12

Matrix: Water Lab File ID: U1287595.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 21:53

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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\20210823-112466.b\U1287595.D
Lims ID: 240-154716-B-12
Client ID: MSA-SW40D-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 21:53:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-016
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:19:15 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:19:15

	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	98	680539	20.0	
*	2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	435931	20.0	
*	3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	240615	20.0	
$	4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	175587	20.5	
$	5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.811	0.012	94	233040	22.8	
$	6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	93	598522	18.5	
$	7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	221279	19.3	
	9 Dichlorodifluoromethane	85		1.403				ND	
	10 Chloromethane	50		1.628				ND	
	12 Vinyl chloride	62		1.676				ND	
	14 Bromomethane	94		1.936				ND	
	15 Chloroethane	64		1.983				ND	
	17 Trichlorofluoromethane	101		2.244				ND	
	21 1,1-Dichloroethene	61		2.646				ND	
	22 112TCTFE	101		2.658				ND	
	23 Acetone	43		2.681				ND	
	25 Carbon disulfide	76		2.847				ND	
	29 Methylene Chloride	49		3.060				ND	
	30 2-Methyl-2-propanol	59		3.167				ND	
	33 Methyl tert-butyl ether	73		3.285				ND	
	32 trans-1,2-Dichloroethene	61		3.285				ND	
	35 1,1-Dichloroethane	63		3.640				ND	
	36 Vinyl acetate	43		3.687				ND	
	37 Isopropyl ether	87		3.699				ND	
	39 Tert-butyl ethyl ether	59		4.007				ND	
	40 2,2-Dichloropropane	77		4.125				ND	
	41 cis-1,2-Dichloroethene	96		4.137				ND	
	42 2-Butanone (MEK)	72		4.149				ND	
	46 Chlorobromomethane	49		4.326				ND	
	48 Chloroform	83		4.397				ND	
	49 1,1,1-Trichloroethane	97		4.551				ND	
	51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	7
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

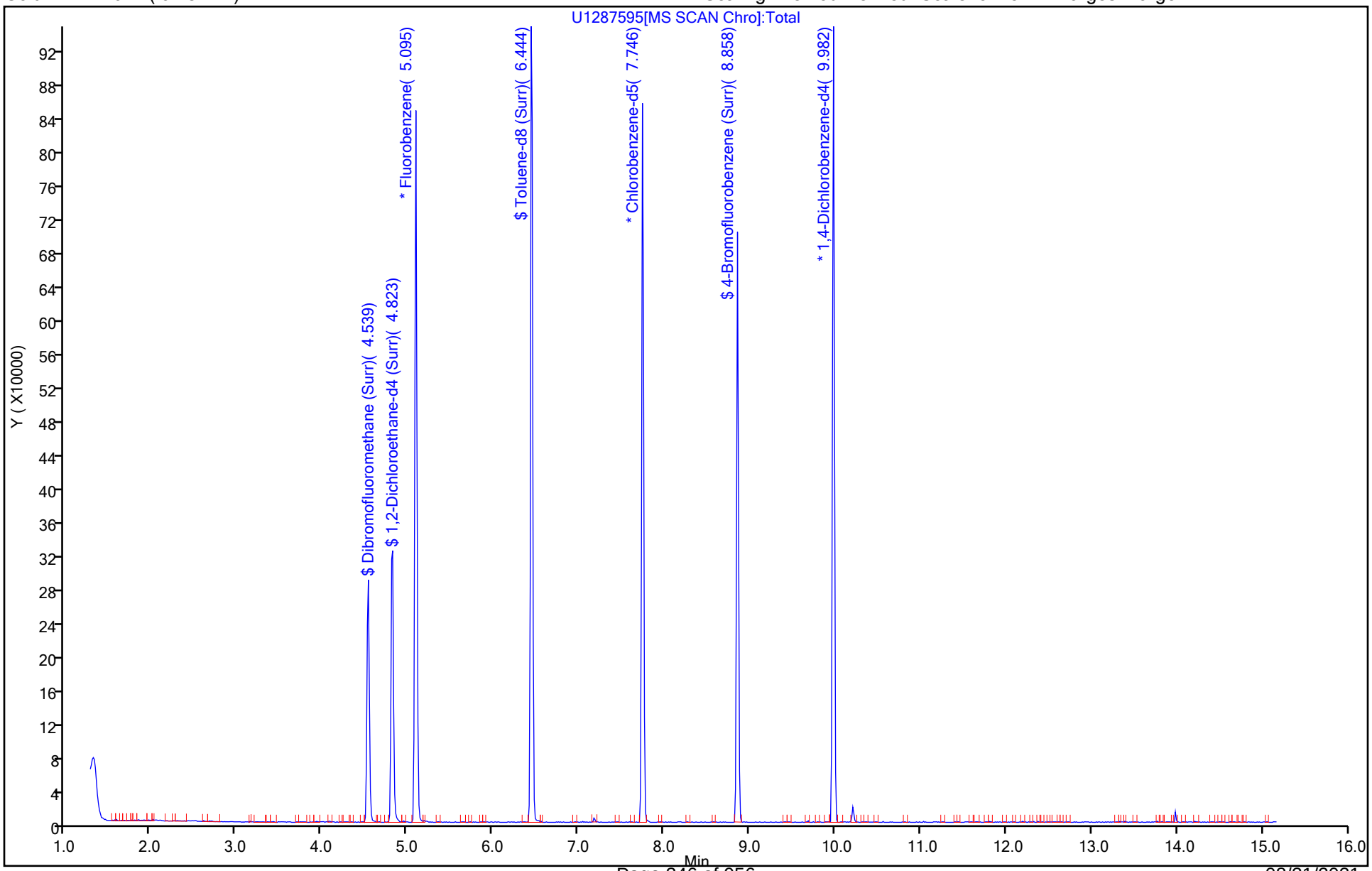
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 25-Aug-2021 13:19:16 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287595.D				
Injection Date:	23-Aug-2021 21:53:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-12	Lab Sample ID:	240-154716-12	Worklist Smp#:	16
Client ID:	MSA-SW40D-081721				
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
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287595.D				
Lims ID:	240-154716-B-12				
Client ID:	MSA-SW40D-081721				
Sample Type:	Client				
Inject. Date:	23-Aug-2021 21:53:30	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112466-016				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	25-Aug-2021 13:19:15	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: laveyt Date: 25-Aug-2021 13:19:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.5	102.44
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.8	114.21
$ 6 Toluene-d8 (Surr)	20.0	18.5	92.64
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.3	96.60

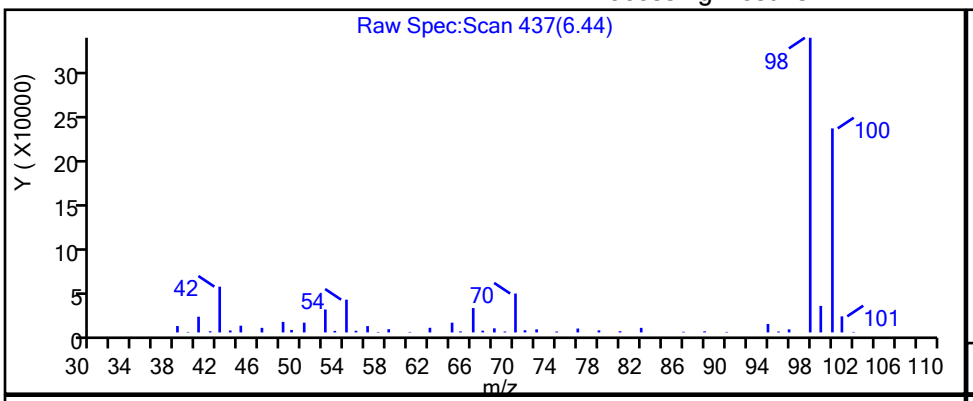
User Disabled Compound Report

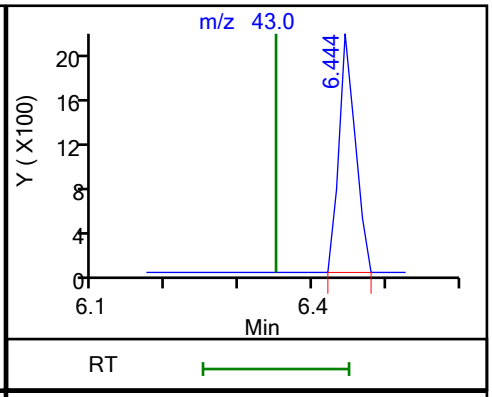
Eurofins TestAmerica, Canton

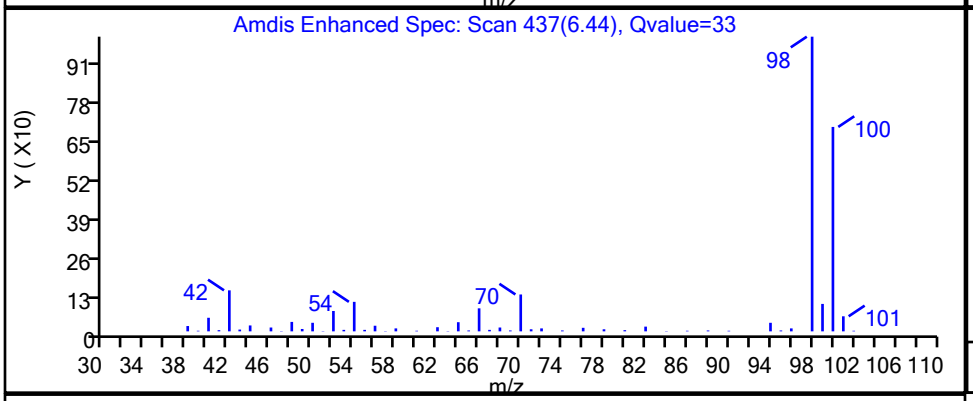
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287595.D				
Injection Date:	23-Aug-2021 21:53:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-B-12	Lab Sample ID:	240-154716-12		
Client ID:	MSA-SW40D-081721				
Operator ID:	001904	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

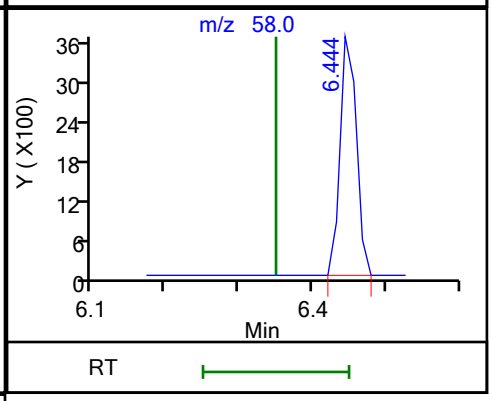
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

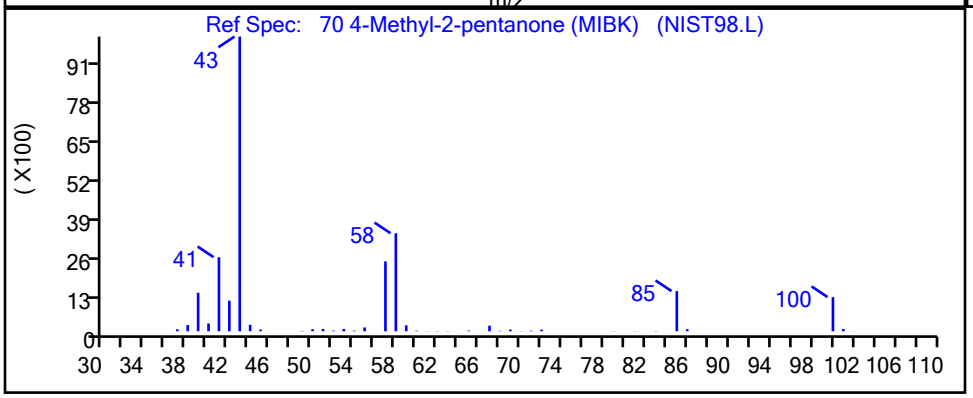
Processing Results











RT	Mass	Response	Amount
6.44	43.00	3430	0.250812
6.44	58.00	5685	

Reviewer: laveyt, 25-Aug-2021 13:18:57

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-081721 Lab Sample ID: 240-154716-13

Matrix: Water Lab File ID: U1287596.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:15

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-081721 Lab Sample ID: 240-154716-13

Matrix: Water Lab File ID: U1287596.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:15

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-081721 Lab Sample ID: 240-154716-13

Matrix: Water Lab File ID: U1287596.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:15

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-081721 Lab Sample ID: 240-154716-13

Matrix: Water Lab File ID: U1287596.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:15

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-081721 Lab Sample ID: 240-154716-13

Matrix: Water Lab File ID: U1287596.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:15

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.: 500679 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\20210823-112466.b\U1287596.D
Lims ID: 240-154716-B-13
Client ID: MSA-SW41A-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 22:15:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-017
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:19:37 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:19:37

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	98	661562	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	436326	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	244250	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	175810	21.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.811	0.012	94	228693	23.1	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	610829	18.9	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	86	225669	19.7	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

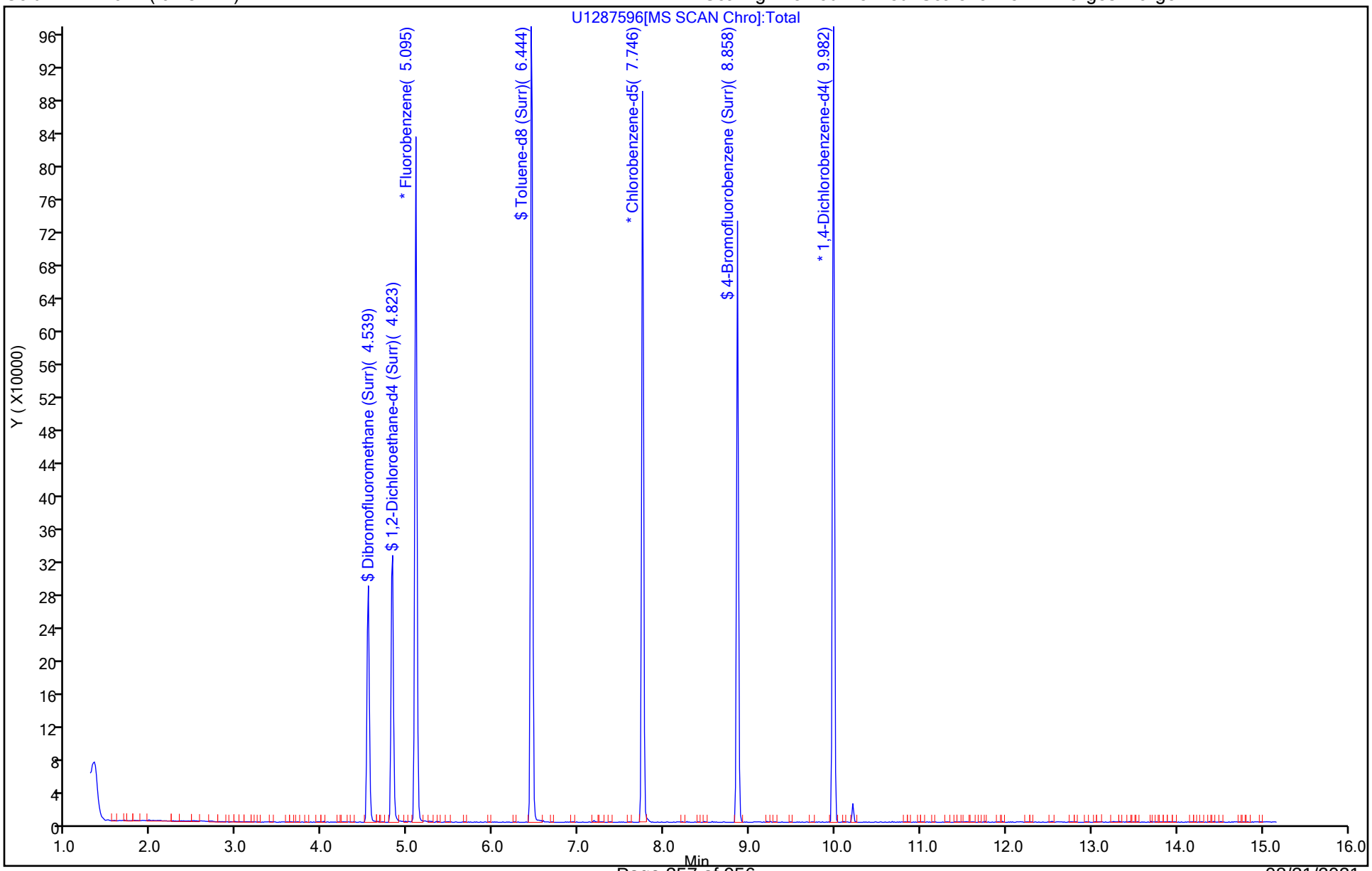
Report Date: 25-Aug-2021 13:19:37 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287596.D

Injection Date:	23-Aug-2021 22:15:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-13	Lab Sample ID:	240-154716-13	Worklist Smp#:	17
Client ID:	MSA-SW41A-081721				
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
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287596.D				
Lims ID:	240-154716-B-13				
Client ID:	MSA-SW41A-081721				
Sample Type:	Client				
Inject. Date:	23-Aug-2021 22:15:30	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112466-017				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	25-Aug-2021 13:19:37	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: laveyt Date: 25-Aug-2021 13:19:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.1	105.52
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.1	115.30
$ 6 Toluene-d8 (Surr)	20.0	18.9	94.46
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.7	98.43

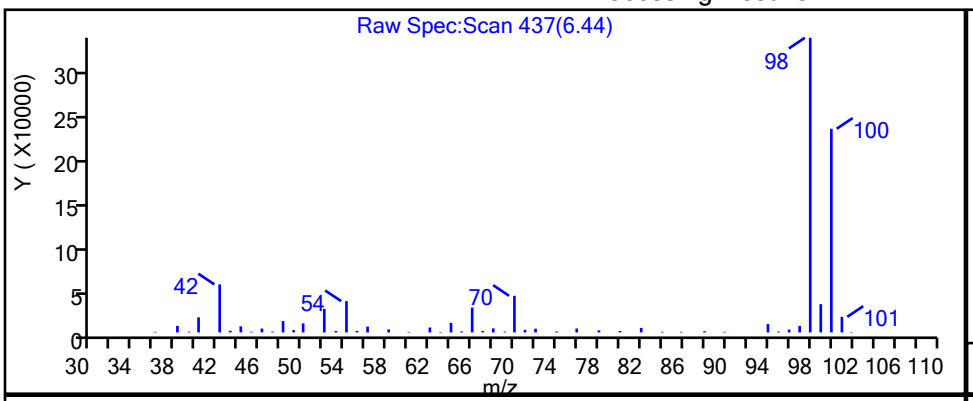
User Disabled Compound Report

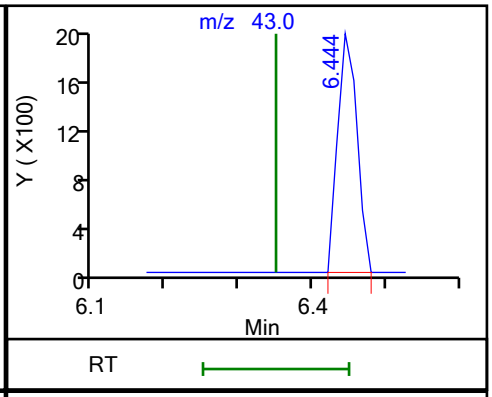
Eurofins TestAmerica, Canton

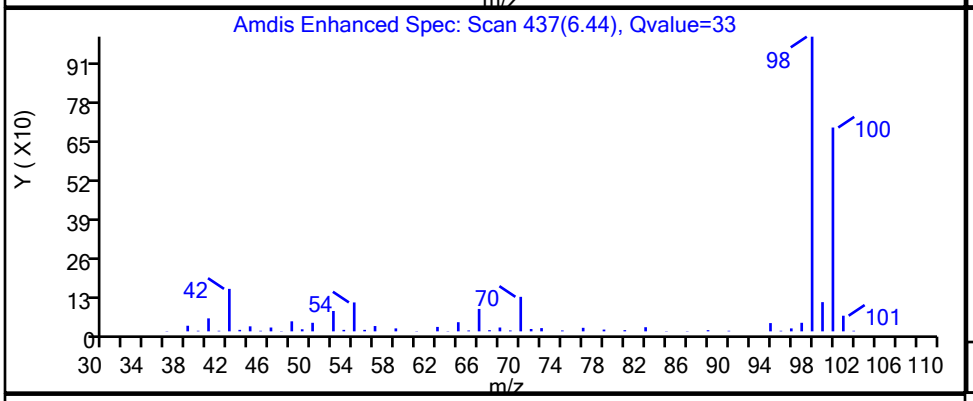
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287596.D				
Injection Date:	23-Aug-2021 22:15:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-B-13	Lab Sample ID:	240-154716-13		
Client ID:	MSA-SW41A-081721				
Operator ID:	001904	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

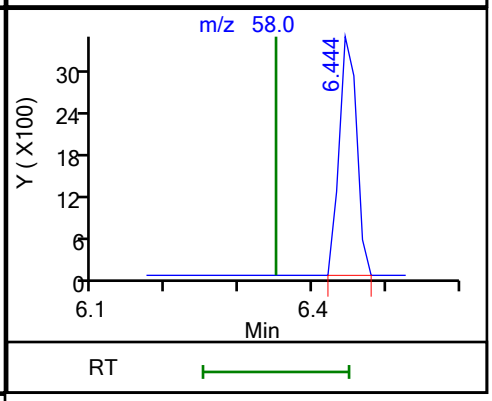
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

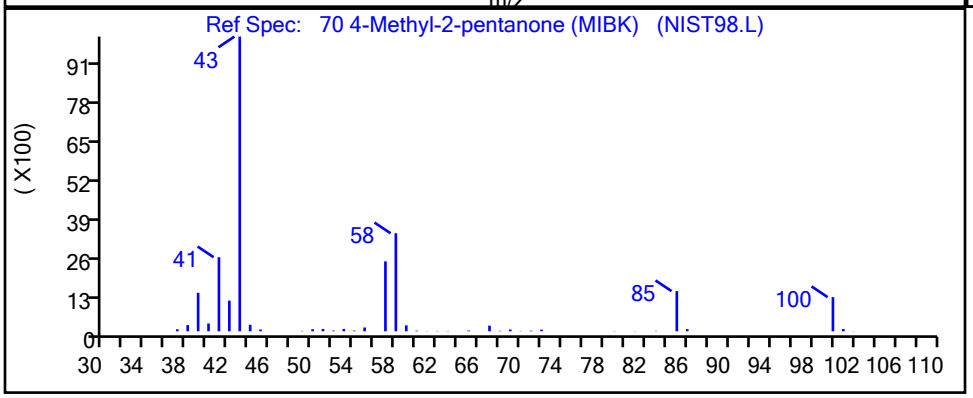
Processing Results











RT	Mass	Response	Amount
6.44	43.00	3581	0.269365
6.44	58.00	5773	

Reviewer: laveyt, 25-Aug-2021 13:19:29

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-081721 Lab Sample ID: 240-154716-14

Matrix: Water Lab File ID: U1287597.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-081721 Lab Sample ID: 240-154716-14

Matrix: Water Lab File ID: U1287597.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-081721 Lab Sample ID: 240-154716-14

Matrix: Water Lab File ID: U1287597.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		56-136
1868-53-7	Dibromofluoromethane (Surr)	104		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		62-137
2037-26-5	Toluene-d8 (Surr)	91		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-081721 Lab Sample ID: 240-154716-14

Matrix: Water Lab File ID: U1287597.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-081721 Lab Sample ID: 240-154716-14

Matrix: Water Lab File ID: U1287597.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:00

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 22:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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\20210823-112466.b\U1287597.D
Lims ID: 240-154716-B-14
Client ID: MSA-SW41B-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 22:37:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-018
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:19:37 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:19:54

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	98	695467	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	445092	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	246099	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	181441	20.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.811	0.012	94	237447	22.8	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	93	603499	18.3	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	219774	18.8	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Reagents:

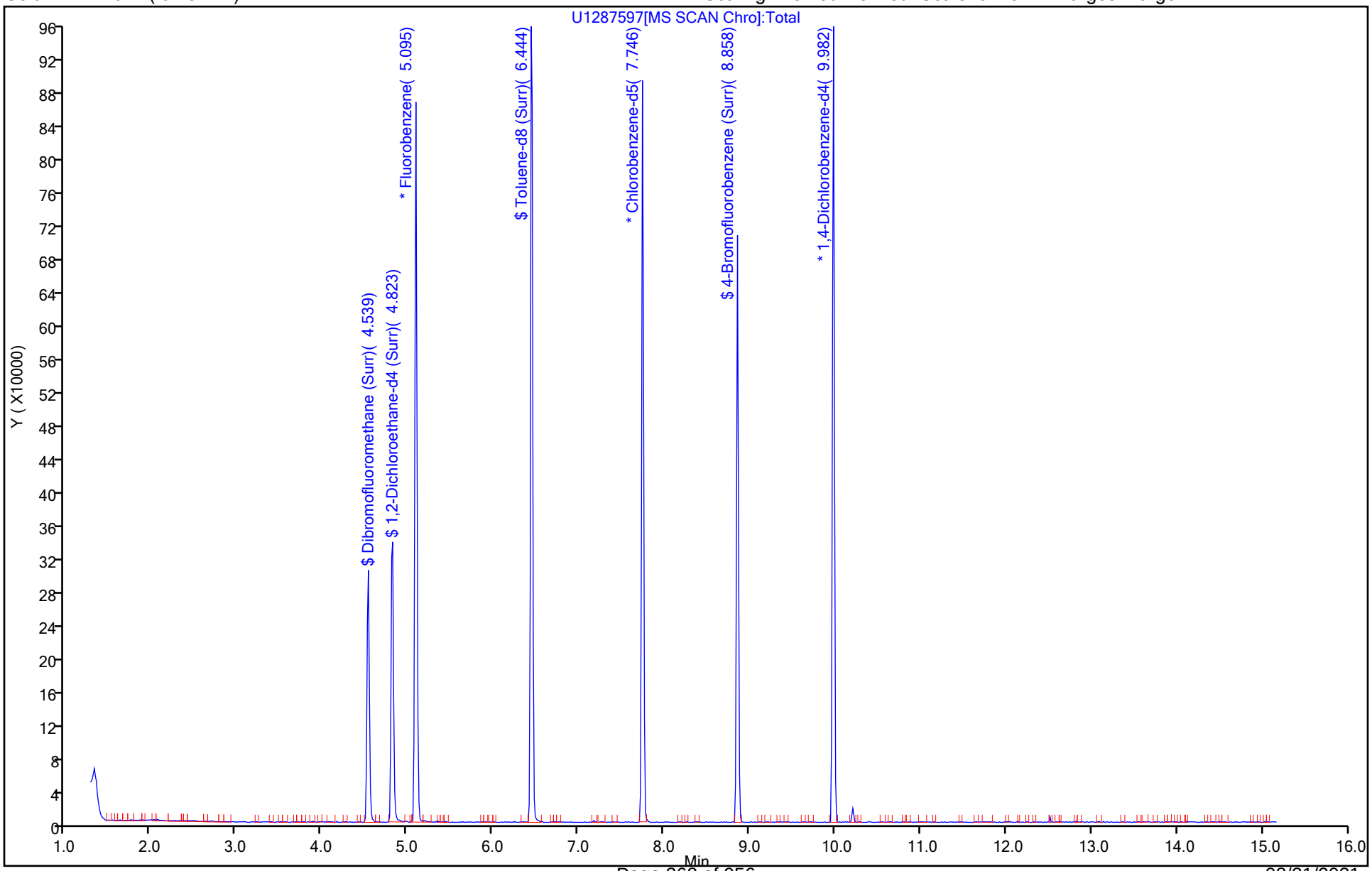
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 25-Aug-2021 13:19:55 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287597.D				
Injection Date:	23-Aug-2021 22:37:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-14	Lab Sample ID:	240-154716-14	Worklist Smp#:	18
Client ID:	MSA-SW41B-081721				
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
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287597.D
Lims ID: 240-154716-B-14
Client ID: MSA-SW41B-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 22:37:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-018
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:19:37 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:19:54

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.7	103.59
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.8	113.87
$ 6 Toluene-d8 (Surr)	20.0	18.3	91.49
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.8	93.97

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-081721 Lab Sample ID: 240-154716-15

Matrix: Water Lab File ID: U1287598.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-081721 Lab Sample ID: 240-154716-15

Matrix: Water Lab File ID: U1287598.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-081721 Lab Sample ID: 240-154716-15

Matrix: Water Lab File ID: U1287598.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-081721 Lab Sample ID: 240-154716-15

Matrix: Water Lab File ID: U1287598.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-081721 Lab Sample ID: 240-154716-15

Matrix: Water Lab File ID: U1287598.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:02

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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\20210823-112466.b\U1287598.D
Lims ID: 240-154716-B-15
Client ID: MSA-SW41C-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 23:00:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-019
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:20:17 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:20:17

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	98	693034	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	462096	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	240439	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	172739	19.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.811	0.012	95	231898	22.3	
$ 6 Toluene-d8 (Surr)	98	6.456	6.444	0.012	94	633875	18.5	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	238847	19.7	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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	7
72 trans-1,3-Dichloropropene	75		6.705				ND	
76 Tetrachloroethene	166		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	7
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

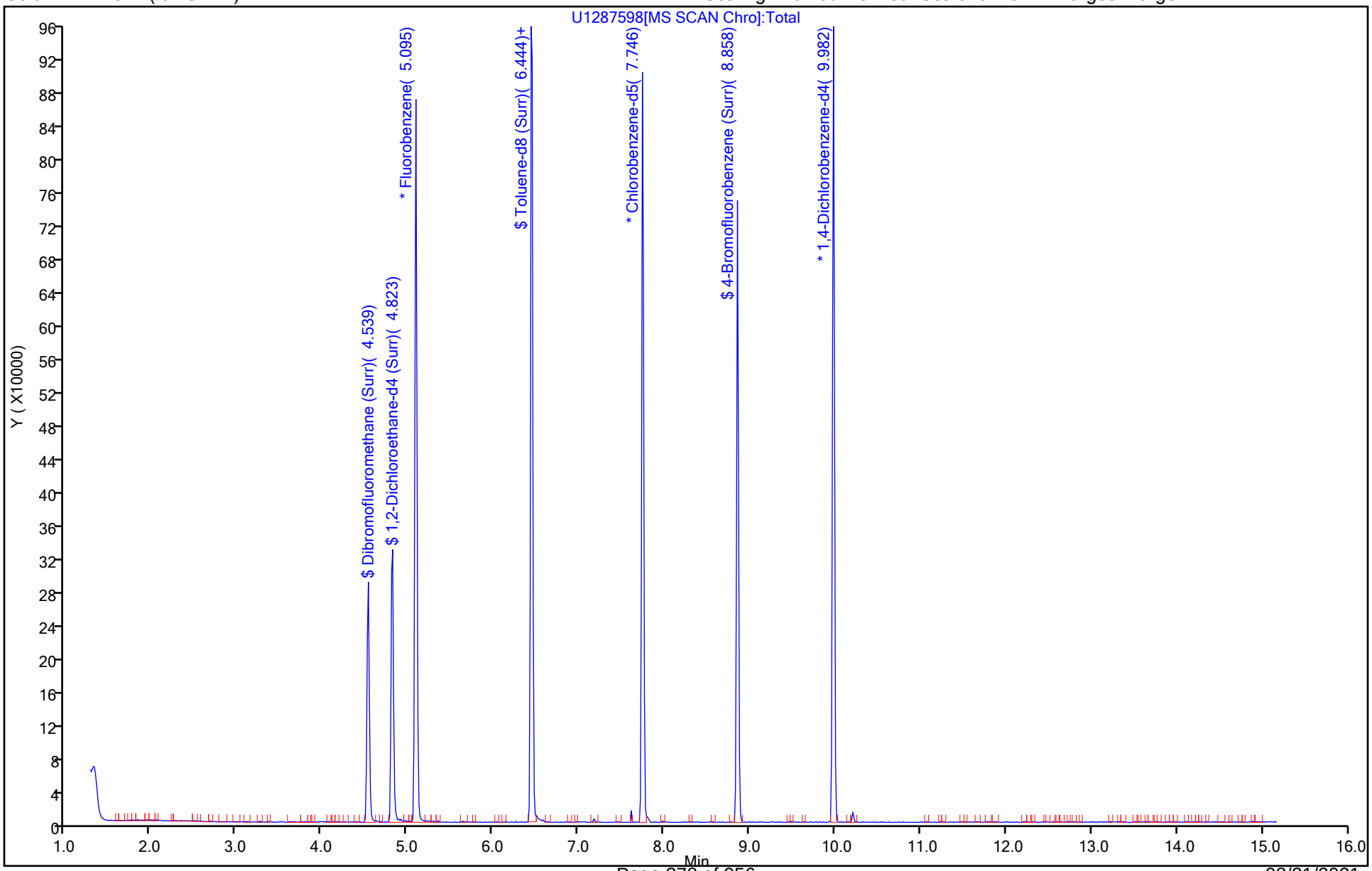
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 25-Aug-2021 13:20:18 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287598.D				
Injection Date:	23-Aug-2021 23:00:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-15	Lab Sample ID:	240-154716-15	Worklist Smp#:	19
Client ID:	MSA-SW41C-081721				
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



Eurofins TestAmerica, Canton
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287598.D				
Lims ID:	240-154716-B-15				
Client ID:	MSA-SW41C-081721				
Sample Type:	Client				
Inject. Date:	23-Aug-2021 23:00:30	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112466-019				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	25-Aug-2021 13:20:17	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: laveyt Date: 25-Aug-2021 13:20:17

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.8	98.97
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.3	111.60
$ 6 Toluene-d8 (Surr)	20.0	18.5	92.56
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.7	98.37

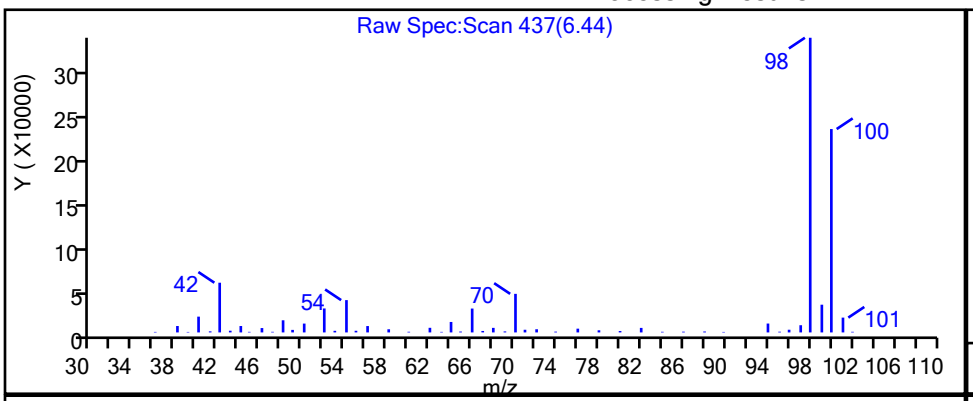
User Disabled Compound Report

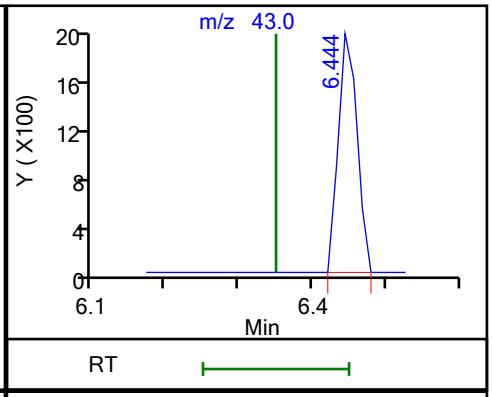
Eurofins TestAmerica, Canton

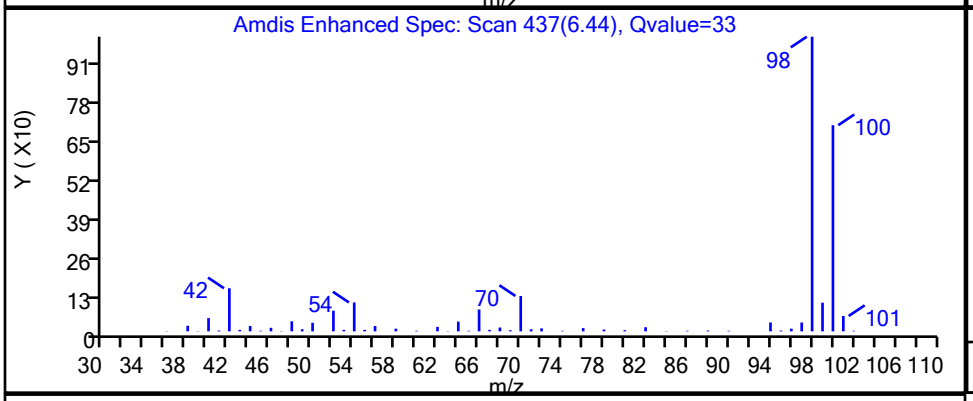
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287598.D				
Injection Date:	23-Aug-2021 23:00:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-B-15	Lab Sample ID:	240-154716-15		
Client ID:	MSA-SW41C-081721				
Operator ID:	001904	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

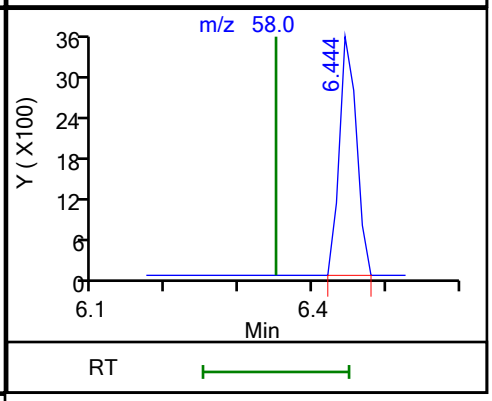
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

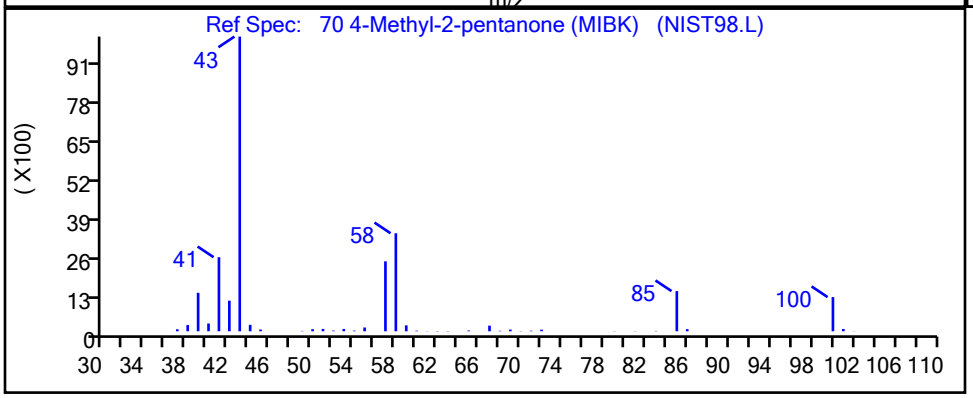
Processing Results











RT	Mass	Response	Amount
6.44	43.00	3429	0.246219
6.44	58.00	5731	

Reviewer: laveyt, 25-Aug-2021 13:20:09

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-081721 Lab Sample ID: 240-154716-16

Matrix: Water Lab File ID: U1287599.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:05

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-081721 Lab Sample ID: 240-154716-16

Matrix: Water Lab File ID: U1287599.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:05

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-081721 Lab Sample ID: 240-154716-16

Matrix: Water Lab File ID: U1287599.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:05

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		56-136
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-081721 Lab Sample ID: 240-154716-16

Matrix: Water Lab File ID: U1287599.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:05

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-081721 Lab Sample ID: 240-154716-16

Matrix: Water Lab File ID: U1287599.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:05

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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\20210823-112466.b\U1287599.D
Lims ID: 240-154716-B-16
Client ID: MSA-SW41D-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 23:22:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-020
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:20:17 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:20:35

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	98	691869	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	88	450657	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	246768	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	171841	19.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.811	0.012	94	228781	22.1	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	611167	18.3	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	217946	18.4	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Reagents:

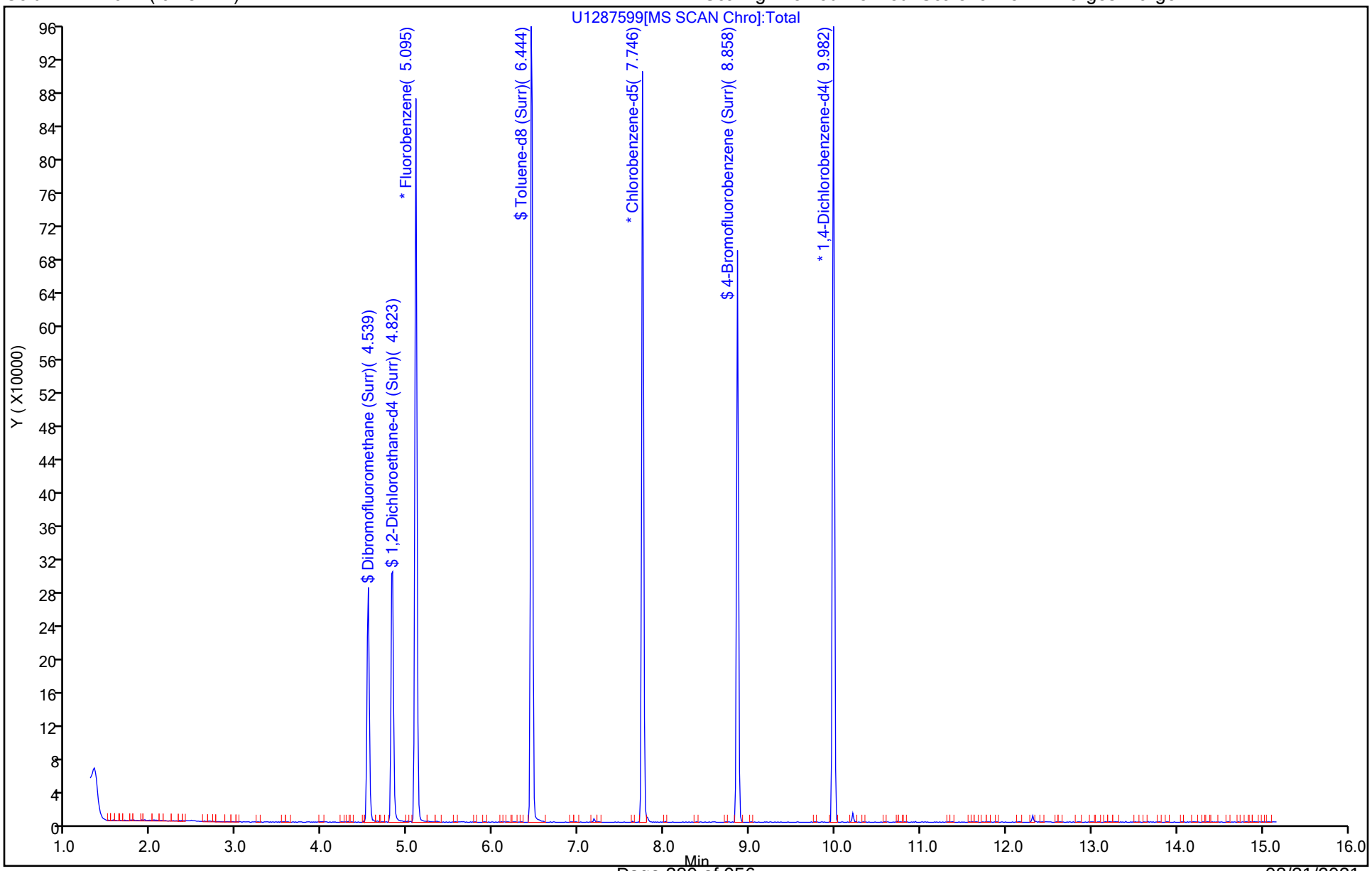
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 25-Aug-2021 13:20:35 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287599.D				
Injection Date:	23-Aug-2021 23:22:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-16	Lab Sample ID:	240-154716-16	Worklist Smp#:	20
Client ID:	MSA-SW41D-081721				
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



Eurofins TestAmerica, Canton
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287599.D				
Lims ID:	240-154716-B-16				
Client ID:	MSA-SW41D-081721				
Sample Type:	Client				
Inject. Date:	23-Aug-2021 23:22:30	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112466-020				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	25-Aug-2021 13:20:17	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: laveyt Date: 25-Aug-2021 13:20:35

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.7	98.62
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.1	110.29
$ 6 Toluene-d8 (Surr)	20.0	18.3	91.51
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.4	92.04

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-081721 Lab Sample ID: 240-154716-17

Matrix: Water Lab File ID: U1287600.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:07

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:44

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-081721 Lab Sample ID: 240-154716-17

Matrix: Water Lab File ID: U1287600.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:07

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:44

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-081721 Lab Sample ID: 240-154716-17

Matrix: Water Lab File ID: U1287600.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:07

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:44

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		56-136
1868-53-7	Dibromofluoromethane (Surr)	100		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-081721 Lab Sample ID: 240-154716-17

Matrix: Water Lab File ID: U1287600.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:07

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:44

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-081721 Lab Sample ID: 240-154716-17

Matrix: Water Lab File ID: U1287600.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:07

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 23:44

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.: 500679 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\20210823-112466.b\U1287600.D
Lims ID: 240-154716-B-17
Client ID: MSA-SW42A-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 23:44:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-021
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:20:17 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:20:52

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	98	710363	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	443680	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	227405	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	179139	20.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.811	0.012	95	231958	21.8	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	95	612010	18.6	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	221729	19.0	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	7
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

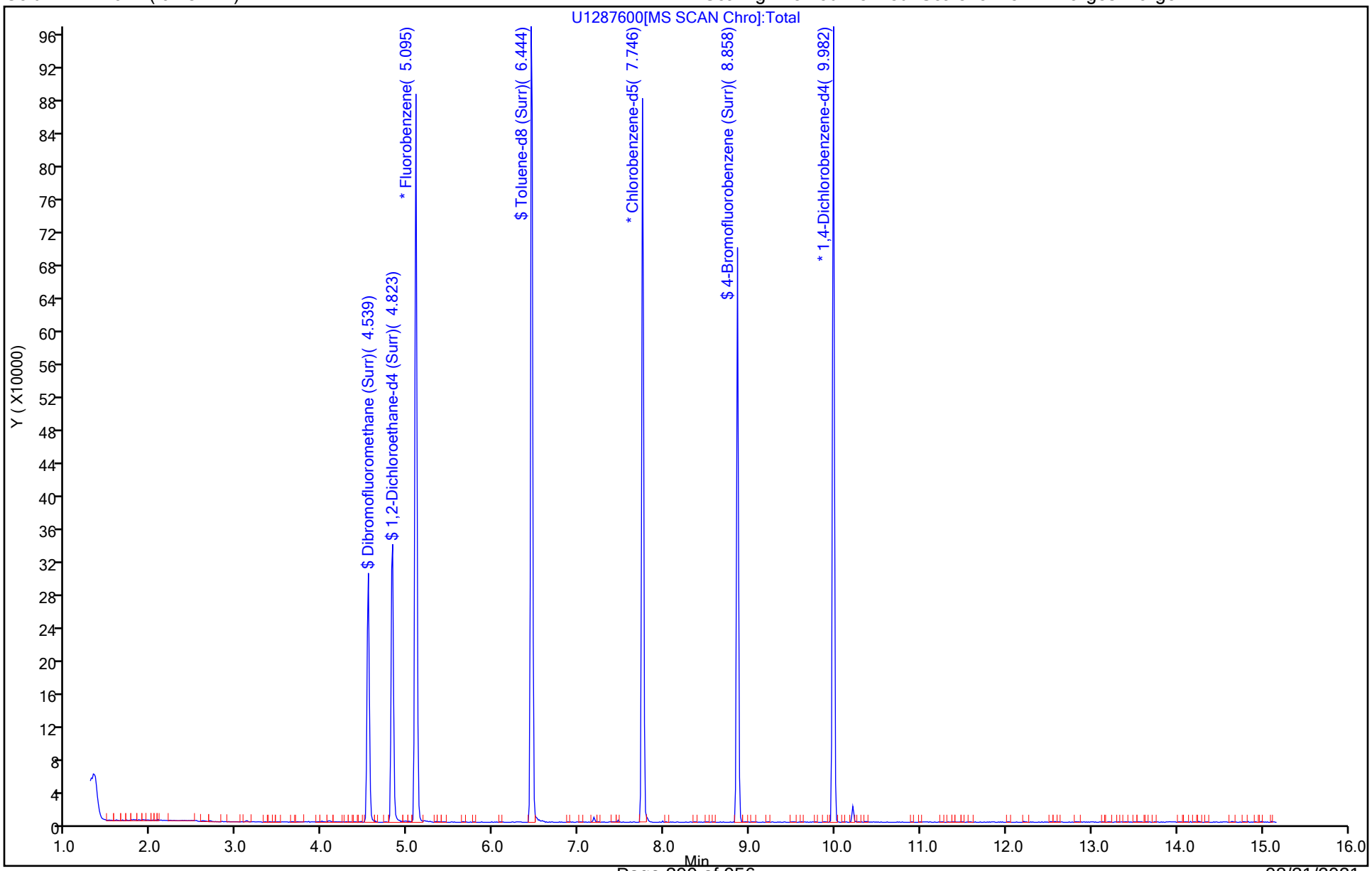
Report Date: 25-Aug-2021 13:20:53 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287600.D

Injection Date:	23-Aug-2021 23:44:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-17	Lab Sample ID:	240-154716-17	Worklist Smp#:	21
Client ID:	MSA-SW42A-081721				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
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\20210823-112466.b\U1287600.D
Lims ID: 240-154716-B-17
Client ID: MSA-SW42A-081721
Sample Type: Client
Inject. Date: 23-Aug-2021 23:44:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-021
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:20:17 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:20:52

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.0	100.13
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.8	108.91
$ 6 Toluene-d8 (Surr)	20.0	18.6	93.08
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.0	95.11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-081721 Lab Sample ID: 240-154716-18

Matrix: Water Lab File ID: U1287601.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:10

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:06

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-081721 Lab Sample ID: 240-154716-18

Matrix: Water Lab File ID: U1287601.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:10

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:06

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-081721 Lab Sample ID: 240-154716-18

Matrix: Water Lab File ID: U1287601.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:10

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:06

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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		56-136
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-081721 Lab Sample ID: 240-154716-18

Matrix: Water Lab File ID: U1287601.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:10

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:06

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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-081721 Lab Sample ID: 240-154716-18

Matrix: Water Lab File ID: U1287601.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:10

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:06

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.: 500679 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\20210823-112466.b\U1287601.D
Lims ID: 240-154716-A-18
Client ID: MSA-SW42B-081721
Sample Type: Client
Inject. Date: 24-Aug-2021 00:06:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-022
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:20:17 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:21:10

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	98	678132	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	88	440140	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	237007	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	182694	21.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.811	0.012	94	237464	23.4	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	93	617983	18.9	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	230851	20.0	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				ND	7
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		5.592				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	7
72 trans-1,3-Dichloropropene	75		6.705				ND	
76 Tetrachloroethene	166		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	7
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

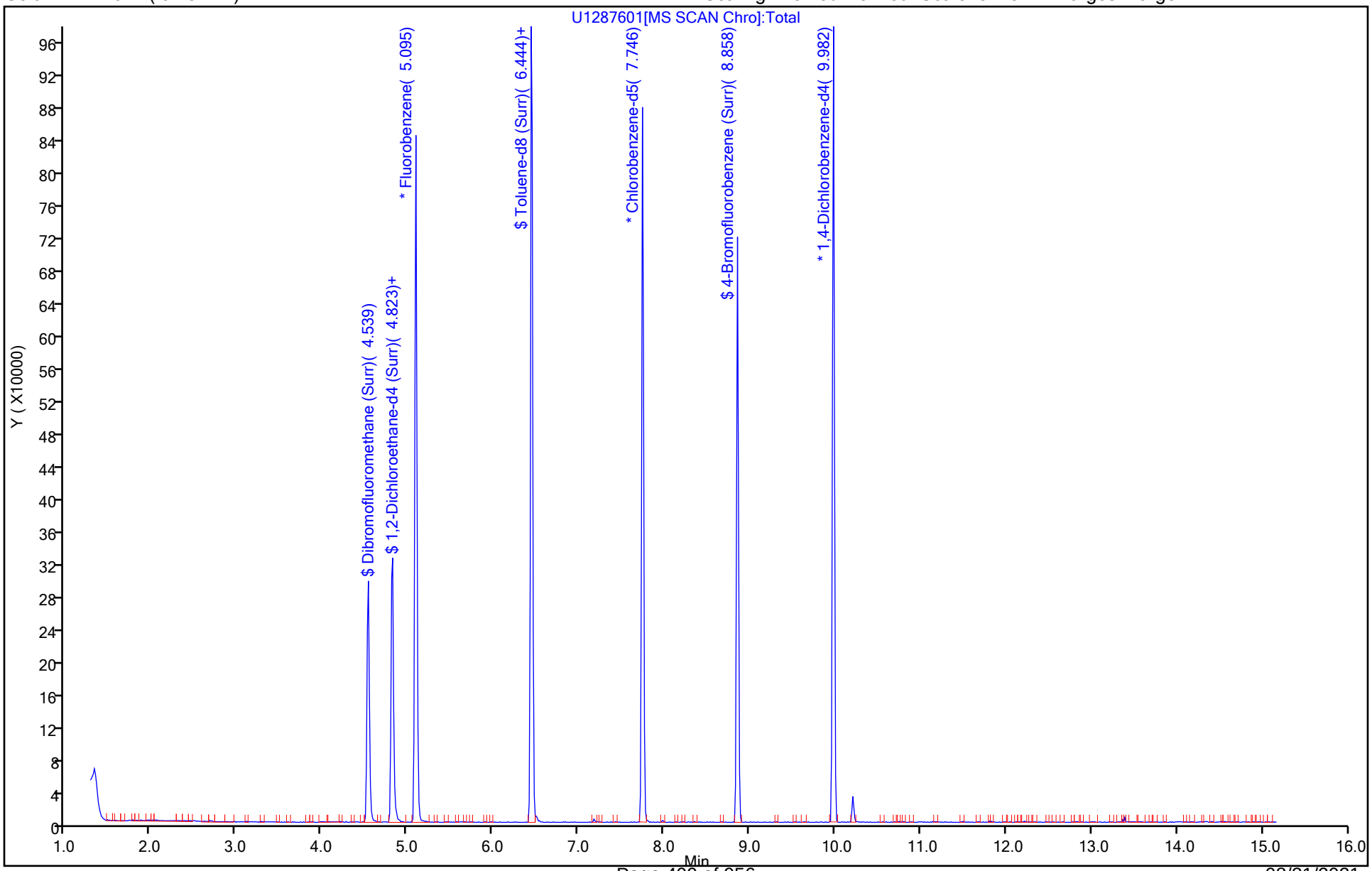
Report Date: 25-Aug-2021 13:21:10 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287601.D

Injection Date:	24-Aug-2021 00:06:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-A-18	Lab Sample ID:	240-154716-18	Worklist Smp#:	22
Client ID:	MSA-SW42B-081721				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
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\20210823-112466.b\U1287601.D				
Lims ID:	240-154716-A-18				
Client ID:	MSA-SW42B-081721				
Sample Type:	Client				
Inject. Date:	24-Aug-2021 00:06:30	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112466-022				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	25-Aug-2021 13:20:17	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: laveyt Date: 25-Aug-2021 13:21:10

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.4	106.97
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.4	116.79
$ 6 Toluene-d8 (Surr)	20.0	18.9	94.74
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.0	99.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-081721 Lab Sample ID: 240-154716-19

Matrix: Water Lab File ID: U1287602.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:12

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:28

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-081721 Lab Sample ID: 240-154716-19

Matrix: Water Lab File ID: U1287602.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:12

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:28

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-081721 Lab Sample ID: 240-154716-19

Matrix: Water Lab File ID: U1287602.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:12

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:28

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-081721 Lab Sample ID: 240-154716-19

Matrix: Water Lab File ID: U1287602.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:12

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:28

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-081721 Lab Sample ID: 240-154716-19

Matrix: Water Lab File ID: U1287602.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:12

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:28

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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\20210823-112466.b\U1287602.D
Lims ID: 240-154716-C-19
Client ID: MSA-SW42C-081721
Sample Type: Client
Inject. Date: 24-Aug-2021 00:28:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-023
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:21:32 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:21:32

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	98	686892	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	440539	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	238782	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	181813	21.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	237927	23.1	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	604264	18.5	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	220567	19.1	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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	7
72 trans-1,3-Dichloropropene	75		6.705				ND	
76 Tetrachloroethene	166		6.989				ND	
77 1,3-Dichloropropane	76		7.012				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		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

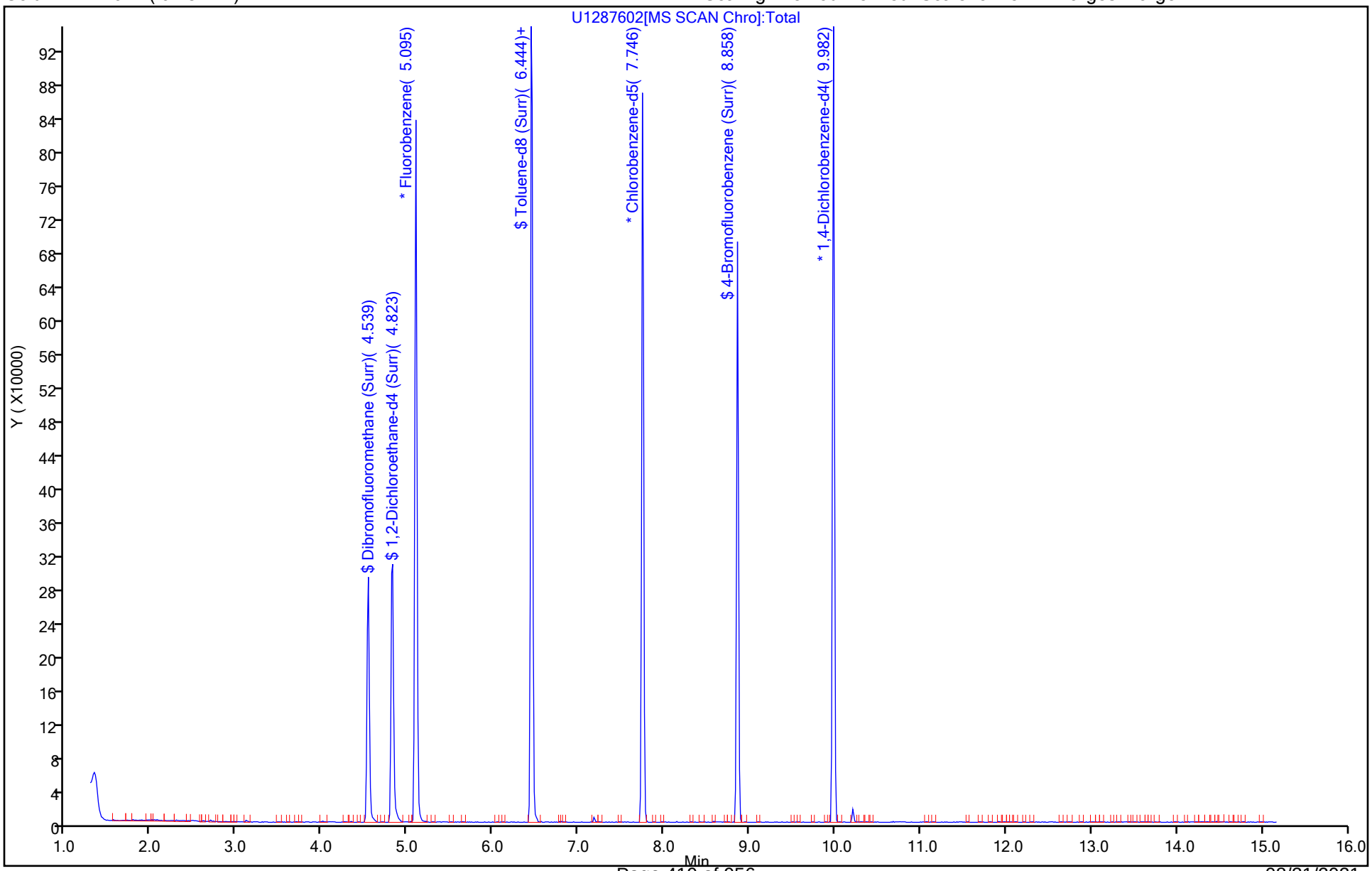
Report Date: 25-Aug-2021 13:21:33 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287602.D

Injection Date:	24-Aug-2021 00:28:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-C-19	Lab Sample ID:	240-154716-19	Worklist Smp#:	23
Client ID:	MSA-SW42C-081721				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
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\20210823-112466.b\U1287602.D
Lims ID: 240-154716-C-19
Client ID: MSA-SW42C-081721
Sample Type: Client
Inject. Date: 24-Aug-2021 00:28:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-023
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:21:32 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:21:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.0	105.10
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.1	115.53
$ 6 Toluene-d8 (Surr)	20.0	18.5	92.55
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.1	95.28

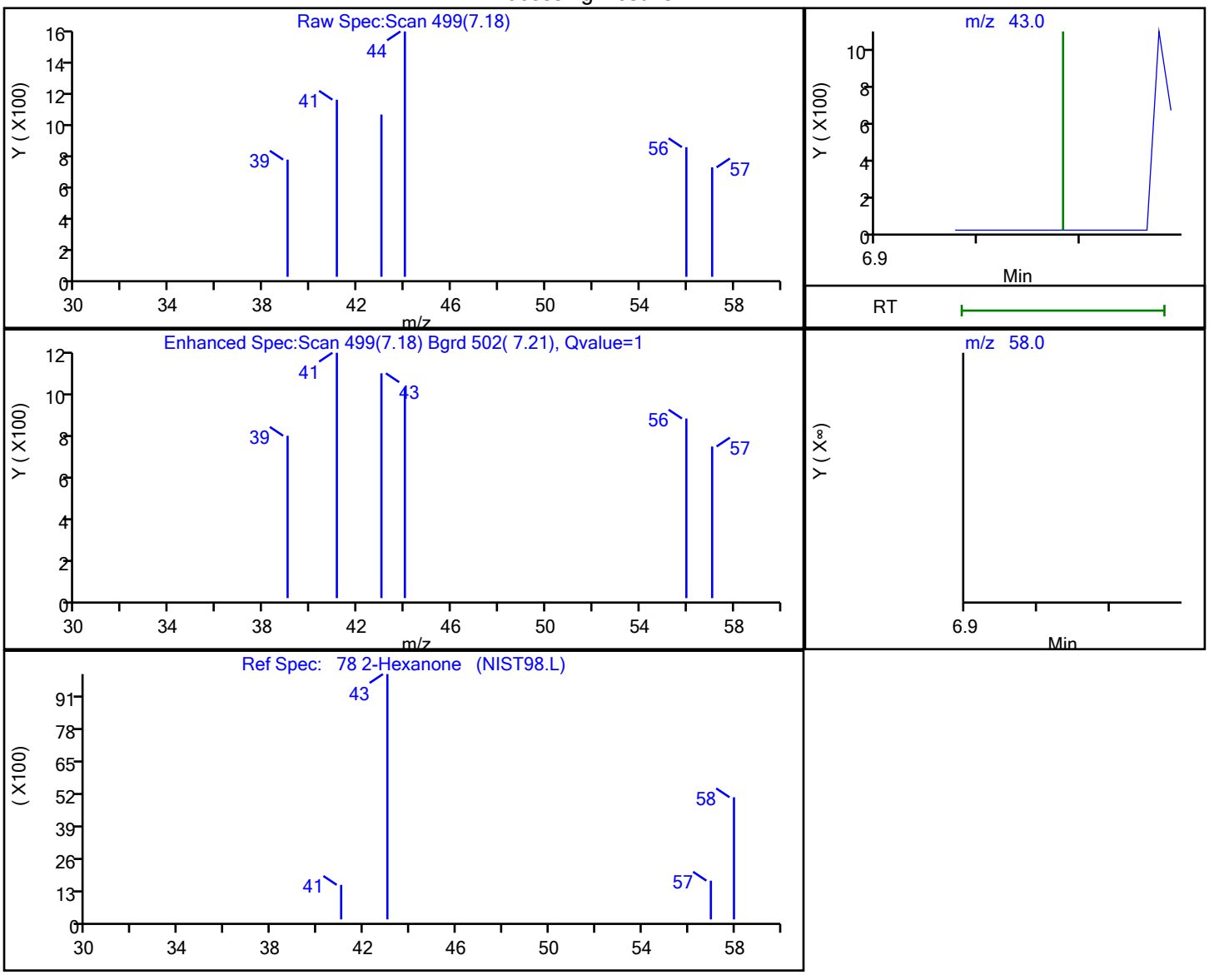
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287602.D				
Injection Date:	24-Aug-2021 00:28:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-C-19	Lab Sample ID:	240-154716-19		
Client ID:	MSA-SW42C-081721				
Operator ID:	001904	ALS Bottle#:	22	Worklist Smp#:	23
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	1171	0.116301
7.08	58.00	0	

Reviewer: laveyt, 25-Aug-2021 13:21:23

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-081721 Lab Sample ID: 240-154716-20

Matrix: Water Lab File ID: U1287603.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:15

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-081721 Lab Sample ID: 240-154716-20

Matrix: Water Lab File ID: U1287603.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:15

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-081721 Lab Sample ID: 240-154716-20

Matrix: Water Lab File ID: U1287603.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:15

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		62-137
2037-26-5	Toluene-d8 (Surr)	89		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-081721 Lab Sample ID: 240-154716-20

Matrix: Water Lab File ID: U1287603.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:15

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-081721 Lab Sample ID: 240-154716-20

Matrix: Water Lab File ID: U1287603.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:15

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 00:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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\20210823-112466.b\U1287603.D
Lims ID: 240-154716-B-20
Client ID: MSA-SW42D-081721
Sample Type: Client
Inject. Date: 24-Aug-2021 00:50:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-024
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:21:32 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:21:50

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	98	679709	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	443612	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	247169	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	165803	19.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.811	0.012	94	217724	21.4	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	93	585360	17.8	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	213914	18.4	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	7
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

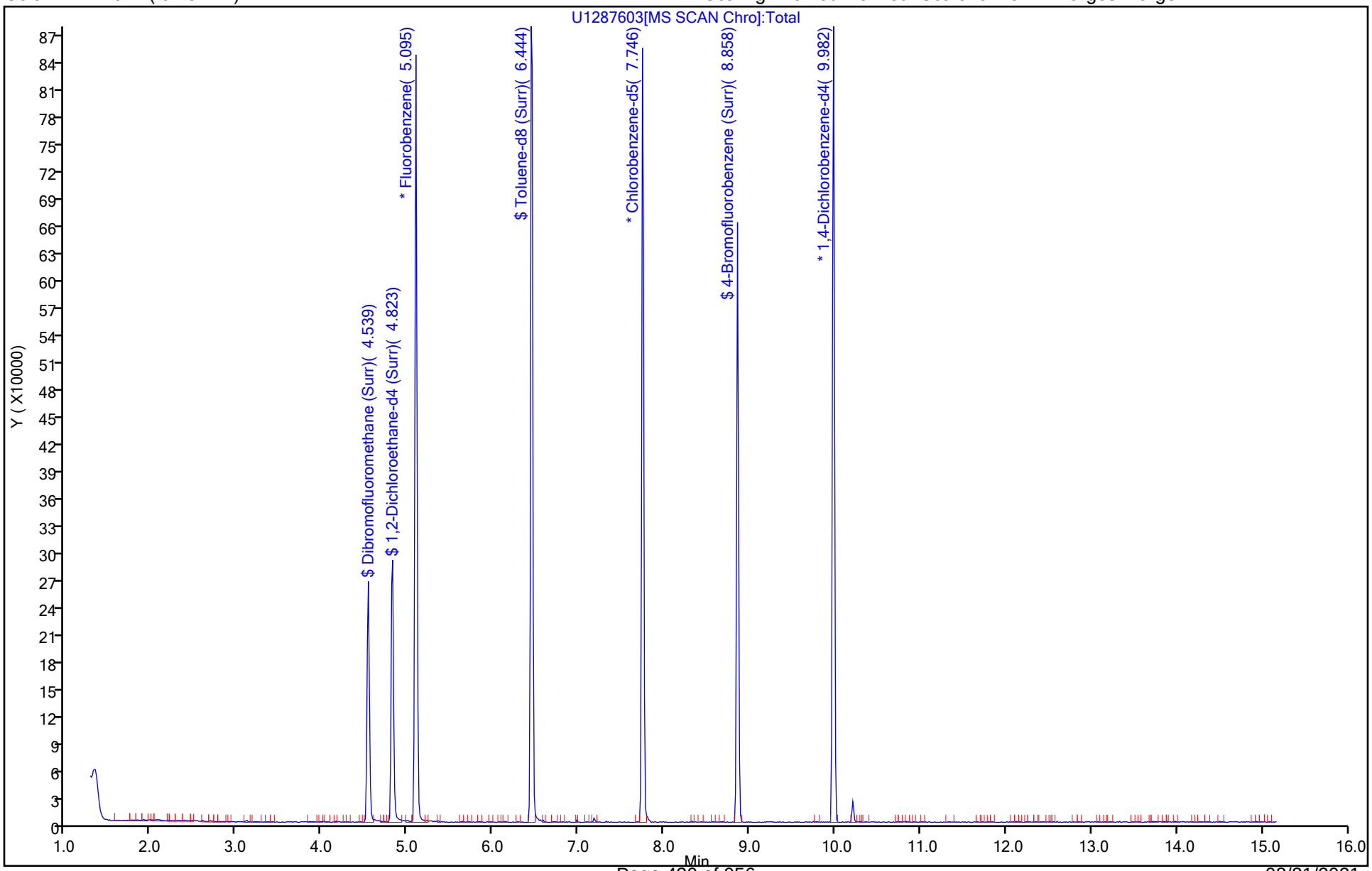
Report Date: 25-Aug-2021 13:21:51 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287603.D

Injection Date:	24-Aug-2021 00:50:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-20	Lab Sample ID:	240-154716-20	Worklist Smp#:	24
Client ID:	MSA-SW42D-081721				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
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\20210823-112466.b\U1287603.D
Lims ID: 240-154716-B-20
Client ID: MSA-SW42D-081721
Sample Type: Client
Inject. Date: 24-Aug-2021 00:50:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-024
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:21:32 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:21:50

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.4	96.85
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.4	106.84
$ 6 Toluene-d8 (Surr)	20.0	17.8	89.04
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.4	91.77

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-081721 Lab Sample ID: 240-154716-21

Matrix: Water Lab File ID: U1287604.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:43

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 01:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-081721 Lab Sample ID: 240-154716-21

Matrix: Water Lab File ID: U1287604.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:43

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 01:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-081721 Lab Sample ID: 240-154716-21

Matrix: Water Lab File ID: U1287604.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:43

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 01:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		62-137
2037-26-5	Toluene-d8 (Surr)	97		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-081721 Lab Sample ID: 240-154716-21

Matrix: Water Lab File ID: U1287604.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:43

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 01:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-081721 Lab Sample ID: 240-154716-21

Matrix: Water Lab File ID: U1287604.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:43

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 01:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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\20210823-112466.b\U1287604.D
Lims ID: 240-154716-B-21
Client ID: MSA-SW43A-081721
Sample Type: Client
Inject. Date: 24-Aug-2021 01:12:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-025
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:21:32 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:22:07

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	98	675319	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	441506	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	231070	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	177947	20.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.811	0.012	95	242040	23.9	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	93	631562	19.3	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	239546	20.7	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Reagents:

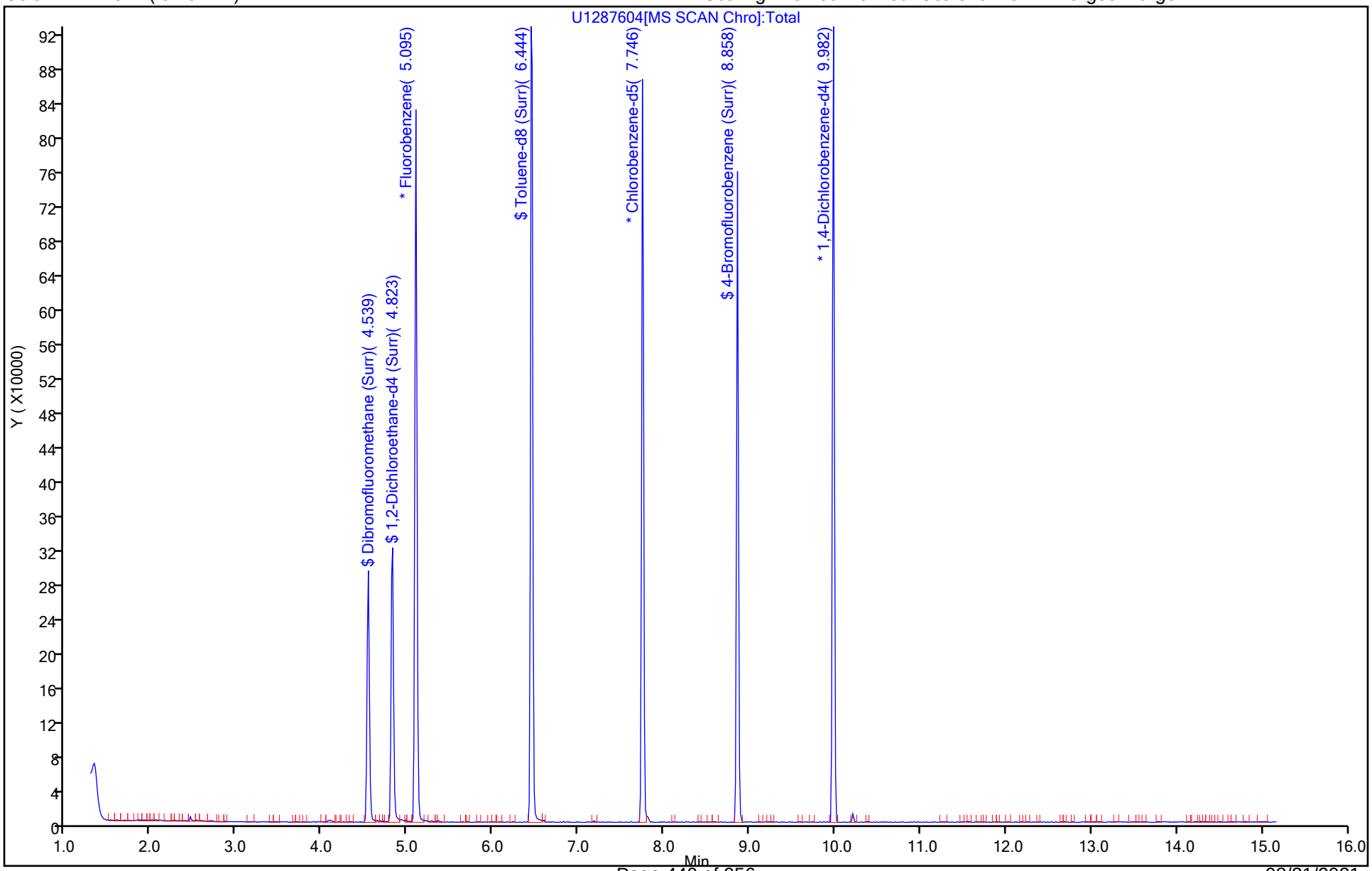
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 25-Aug-2021 13:22:07 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287604.D				
Injection Date:	24-Aug-2021 01:12:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-21	Lab Sample ID:	240-154716-21	Worklist Smp#:	25
Client ID:	MSA-SW43A-081721				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
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\20210823-112466.b\U1287604.D				
Lims ID:	240-154716-B-21				
Client ID:	MSA-SW43A-081721				
Sample Type:	Client				
Inject. Date:	24-Aug-2021 01:12:30	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112466-025				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	25-Aug-2021 13:21:32	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: laveyt Date: 25-Aug-2021 13:22:07

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.9	104.62
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.9	119.54
$ 6 Toluene-d8 (Surr)	20.0	19.3	96.52
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.7	103.26

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-081721 Lab Sample ID: 240-154716-22

Matrix: Water Lab File ID: U1287605.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:45

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-081721 Lab Sample ID: 240-154716-22

Matrix: Water Lab File ID: U1287605.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:45

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-081721 Lab Sample ID: 240-154716-22

Matrix: Water Lab File ID: U1287605.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:45

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	91		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		62-137
2037-26-5	Toluene-d8 (Surr)	88		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-081721 Lab Sample ID: 240-154716-22

Matrix: Water Lab File ID: U1287605.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:45

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-081721 Lab Sample ID: 240-154716-22

Matrix: Water Lab File ID: U1287605.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:45

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 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\20210823-112466.b\U1287605.D
Lims ID: 240-154716-B-22
Client ID: MSA-SW43B-081721
Sample Type: Client
Inject. Date: 24-Aug-2021 01:34:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-026
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:21:32 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:22:23

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	98	674311	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	437179	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	236018	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	93	164589	19.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.811	0.012	94	210854	20.9	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	572900	17.7	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	209451	18.2	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

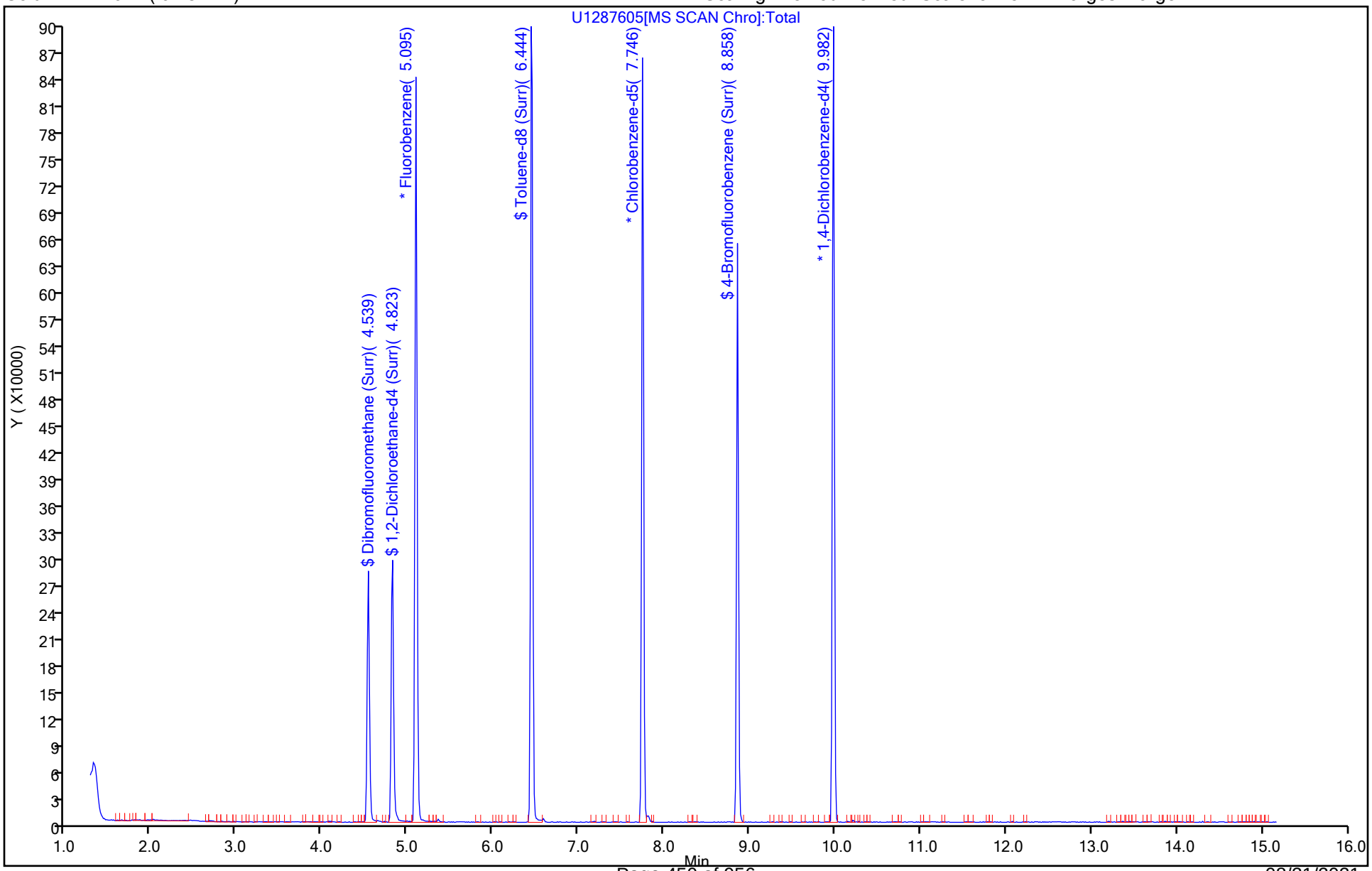
Report Date: 25-Aug-2021 13:22:23 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287605.D

Injection Date:	24-Aug-2021 01:34:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-22	Lab Sample ID:	240-154716-22	Worklist Smp#:	26
Client ID:	MSA-SW43B-081721				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
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\20210823-112466.b\U1287605.D				
Lims ID:	240-154716-B-22				
Client ID:	MSA-SW43B-081721				
Sample Type:	Client				
Inject. Date:	24-Aug-2021 01:34:30	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112466-026				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	25-Aug-2021 13:21:32	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: laveyt Date: 25-Aug-2021 13:22:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.4	96.92
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	20.9	104.29
$ 6 Toluene-d8 (Surr)	20.0	17.7	88.42
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.2	91.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-081721 Lab Sample ID: 240-154716-23

Matrix: Water Lab File ID: U1287644.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:47

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:54

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-081721 Lab Sample ID: 240-154716-23

Matrix: Water Lab File ID: U1287644.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:47

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:54

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-081721 Lab Sample ID: 240-154716-23

Matrix: Water Lab File ID: U1287644.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:47

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:54

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-081721 Lab Sample ID: 240-154716-23

Matrix: Water Lab File ID: U1287644.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:47

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:54

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.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-081721 Lab Sample ID: 240-154716-23

Matrix: Water Lab File ID: U1287644.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:47

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:54

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.: 501270 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\20210826-112596.b\U1287644.D
Lims ID: 240-154716-C-23
Client ID: MSA-SW43C-081721
Sample Type: Client
Inject. Date: 26-Aug-2021 20:54:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-009
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Aug-2021 21:19:25 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: laveyt Date: 26-Aug-2021 21:19:25

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	98	663163	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	436574	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	246175	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	175593	21.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	225578	22.7	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	596277	18.4	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	226747	19.8	
9 Dichlorodifluoromethane	85		1.391				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.675				ND	
14 Bromomethane	94		1.924				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.243				ND	
21 1,1-Dichloroethene	61		2.622				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.835				ND	7
29 Methylene Chloride	49		3.048				ND	
30 2-Methyl-2-propanol	59		3.155				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.125				ND	
42 2-Butanone (MEK)	72		4.137				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		4.681				ND	
54 Benzene	78		4.858				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		5.592				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		6.349				ND	U
71 Toluene	91		6.503				ND	
72 trans-1,3-Dichloropropene	75		6.704				ND	
76 Tetrachloroethene	166		6.988				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	
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		7.982				ND	
87 o-Xylene	106		8.361				ND	
88 Styrene	104		8.373				ND	
89 Bromoform	173		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.958				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.065				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.148				ND	
117 Naphthalene	128		12.219				ND	7
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

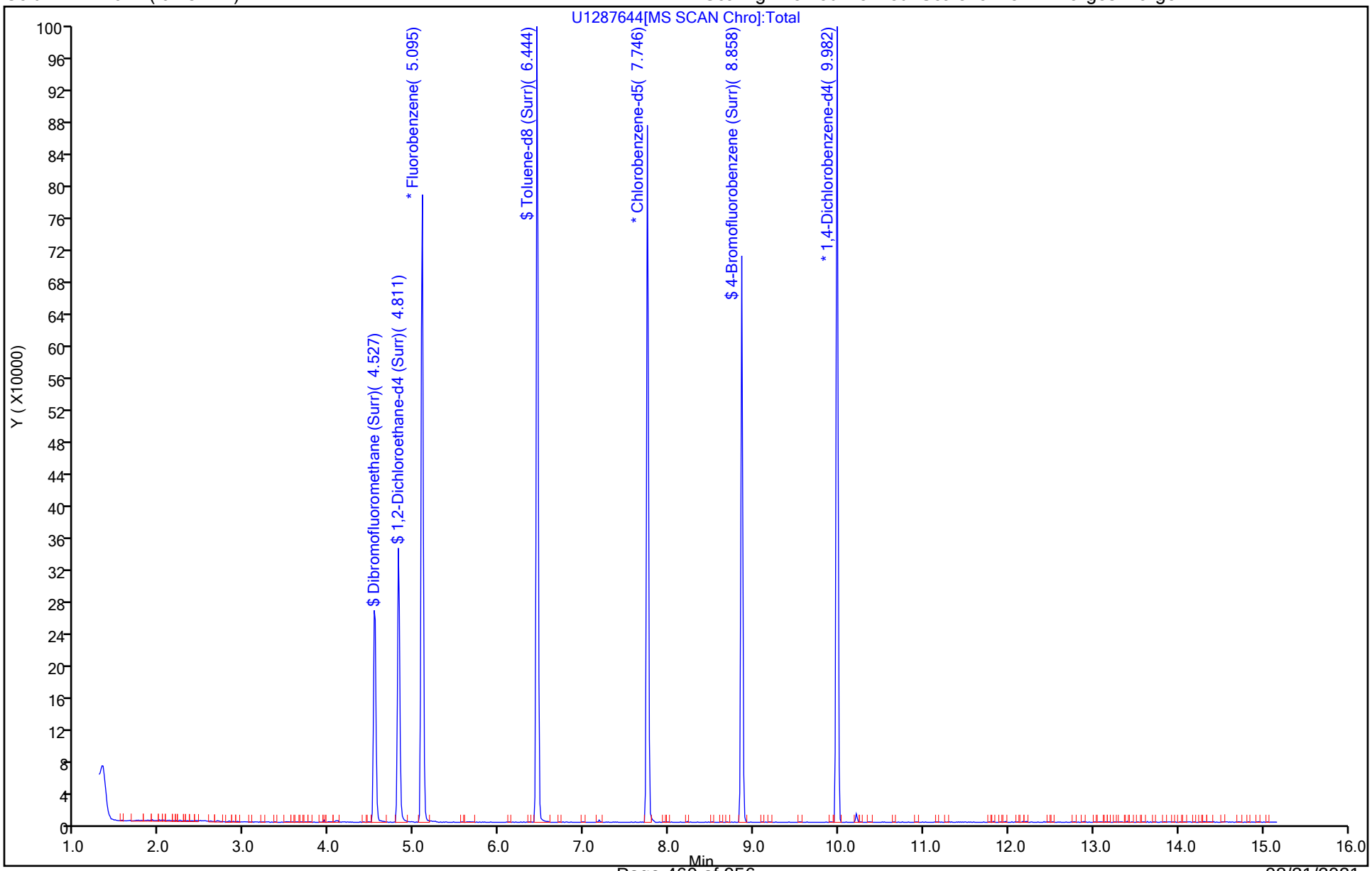
Report Date: 26-Aug-2021 21:19:26 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287644.D

Injection Date:	26-Aug-2021 20:54:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-C-23	Lab Sample ID:	240-154716-23	Worklist Smp#:	9
Client ID:	MSA-SW43C-081721				
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



Eurofins TestAmerica, Canton
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287644.D				
Lims ID:	240-154716-C-23				
Client ID:	MSA-SW43C-081721				
Sample Type:	Client				
Inject. Date:	26-Aug-2021 20:54:30	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112596-009				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	26-Aug-2021 21:19:25	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1652				

First Level Reviewer: laveyt Date: 26-Aug-2021 21:19:25

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.0	105.13
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.7	113.45
$ 6 Toluene-d8 (Surr)	20.0	18.4	92.16
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.8	98.84

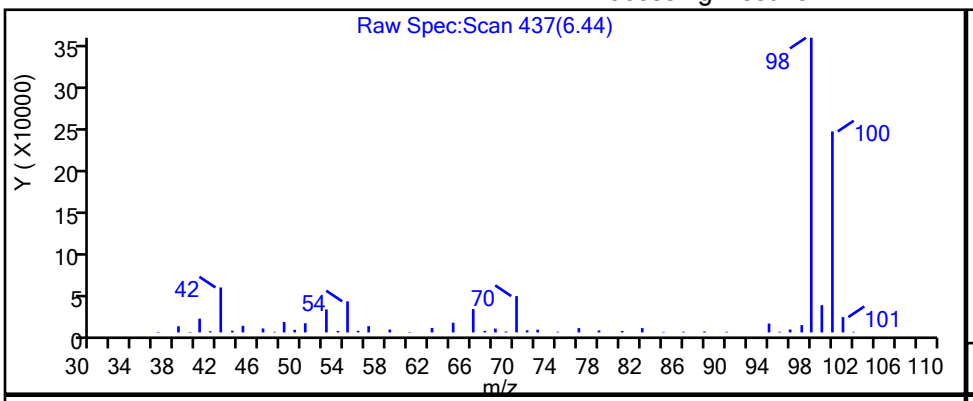
User Disabled Compound Report

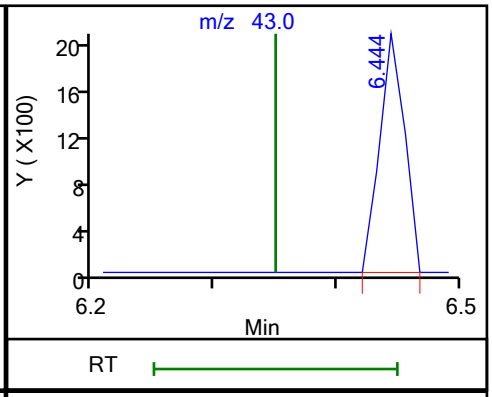
Eurofins TestAmerica, Canton

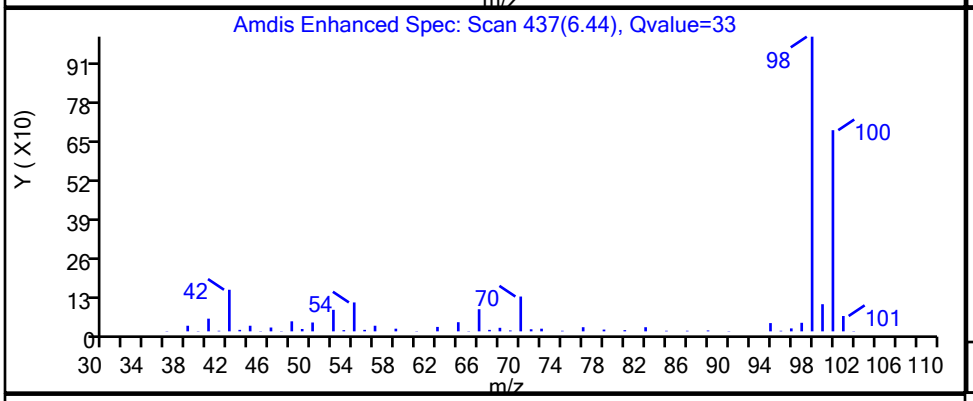
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287644.D				
Injection Date:	26-Aug-2021 20:54:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-C-23	Lab Sample ID:	240-154716-23		
Client ID:	MSA-SW43C-081721				
Operator ID:	001904	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

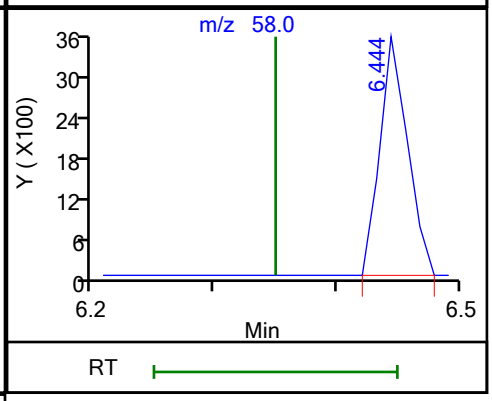
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

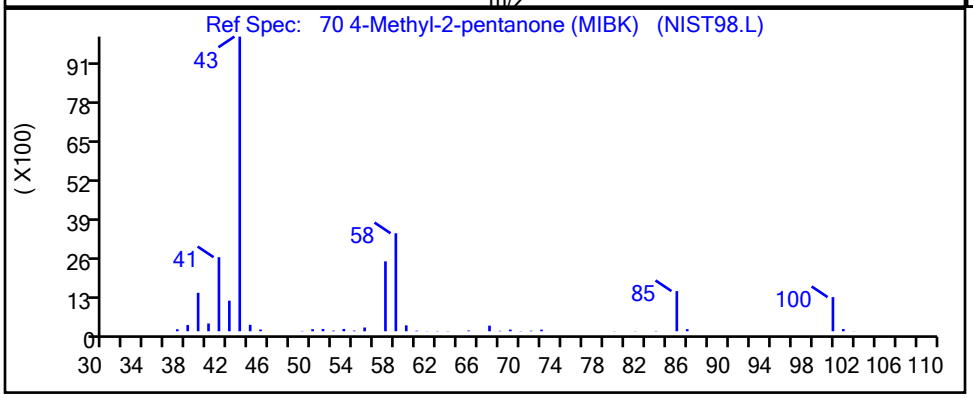
Processing Results











RT	Mass	Response	Amount
6.44	43.00	2901	0.217688
6.44	58.00	5534	

Reviewer: laveyt, 26-Aug-2021 21:19:18

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-081721 Lab Sample ID: 240-154716-24

Matrix: Water Lab File ID: U1287607.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-081721 Lab Sample ID: 240-154716-24

Matrix: Water Lab File ID: U1287607.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-081721 Lab Sample ID: 240-154716-24

Matrix: Water Lab File ID: U1287607.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	98		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-081721 Lab Sample ID: 240-154716-24

Matrix: Water Lab File ID: U1287607.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-081721 Lab Sample ID: 240-154716-24

Matrix: Water Lab File ID: U1287607.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 08/24/2021 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.: 500679 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\20210823-112466.b\U1287607.D
Lims ID: 240-154716-B-24
Client ID: MSA-SW43D-081721
Sample Type: Client
Inject. Date: 24-Aug-2021 02:19:30 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-028
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Aug-2021 13:21:32 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1638

First Level Reviewer: laveyt Date: 25-Aug-2021 13:23:32

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	98	694726	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	445367	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	98	236553	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	93	170878	19.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.811	0.012	94	230303	22.1	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	615730	18.7	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	231229	19.8	
9 Dichlorodifluoromethane	85		1.403				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.676				ND	
14 Bromomethane	94		1.936				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.244				ND	
21 1,1-Dichloroethene	61		2.646				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.847				ND	
29 Methylene Chloride	49		3.060				ND	
30 2-Methyl-2-propanol	59		3.167				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.137				ND	
42 2-Butanone (MEK)	72		4.149				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				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		4.859				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		5.592				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		6.989				ND	
77 1,3-Dichloropropane	76		7.012				ND	
78 2-Hexanone	43		7.083				ND	
80 Chlorodibromomethane	129		7.225				ND	
81 Ethylene Dibromide	107		7.332				ND	
83 Chlorobenzene	112		7.770				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		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.947				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.053				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.136				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

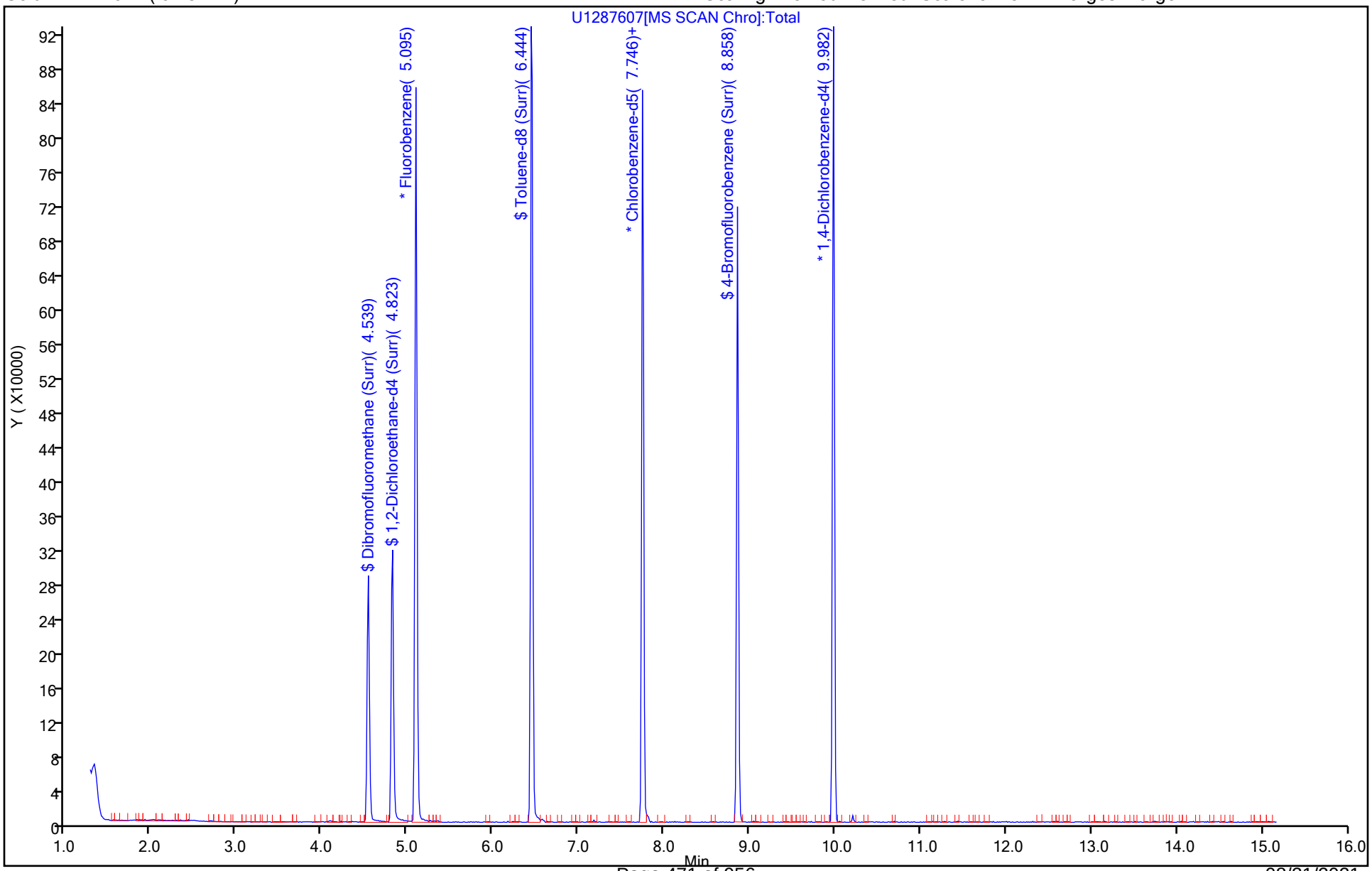
Report Date: 25-Aug-2021 13:23:33 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287607.D

Injection Date:	24-Aug-2021 02:19:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-24	Lab Sample ID:	240-154716-24	Worklist Smp#:	28
Client ID:	MSA-SW43D-081721				
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\20210823-112466.b\U1287607.D				
Lims ID:	240-154716-B-24				
Client ID:	MSA-SW43D-081721				
Sample Type:	Client				
Inject. Date:	24-Aug-2021 02:19:30	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112466-028				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	25-Aug-2021 13:21:32	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1638				

First Level Reviewer: laveyt Date: 25-Aug-2021 13:23:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.5	97.66
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.1	110.57
$ 6 Toluene-d8 (Surr)	20.0	18.7	93.29
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.8	98.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-081721 Lab Sample ID: 240-154716-25

Matrix: Water Lab File ID: U1287645.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:16

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-081721 Lab Sample ID: 240-154716-25

Matrix: Water Lab File ID: U1287645.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:16

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-081721 Lab Sample ID: 240-154716-25

Matrix: Water Lab File ID: U1287645.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:16

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-081721 Lab Sample ID: 240-154716-25

Matrix: Water Lab File ID: U1287645.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:16

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.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-081721 Lab Sample ID: 240-154716-25

Matrix: Water Lab File ID: U1287645.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:16

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.: 501270 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\20210826-112596.b\U1287645.D
Lims ID: 240-154716-A-25
Client ID: MSA-SW44A-081721
Sample Type: Client
Inject. Date: 26-Aug-2021 21:16:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-010
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Aug-2021 22:19:31 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: laveyt Date: 26-Aug-2021 22:19:31

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	98	656735	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	433696	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	237134	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	173943	21.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	95	221250	22.5	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	597386	18.6	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	227091	19.9	
9 Dichlorodifluoromethane	85		1.391				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.675				ND	
14 Bromomethane	94		1.924				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.243				ND	
21 1,1-Dichloroethene	61		2.622				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.835				ND	7
29 Methylene Chloride	49		3.048				ND	
30 2-Methyl-2-propanol	59		3.155				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.125				ND	
42 2-Butanone (MEK)	72		4.137				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		4.681				ND	
54 Benzene	78		4.858				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		5.592				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		6.349				ND	U
71 Toluene	91		6.503				ND	
72 trans-1,3-Dichloropropene	75		6.704				ND	
76 Tetrachloroethene	166		6.988				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	
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		7.982				ND	
87 o-Xylene	106		8.361				ND	
88 Styrene	104		8.373				ND	
89 Bromoform	173		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.958				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.065				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.148				ND	
117 Naphthalene	128		12.219				ND	7
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

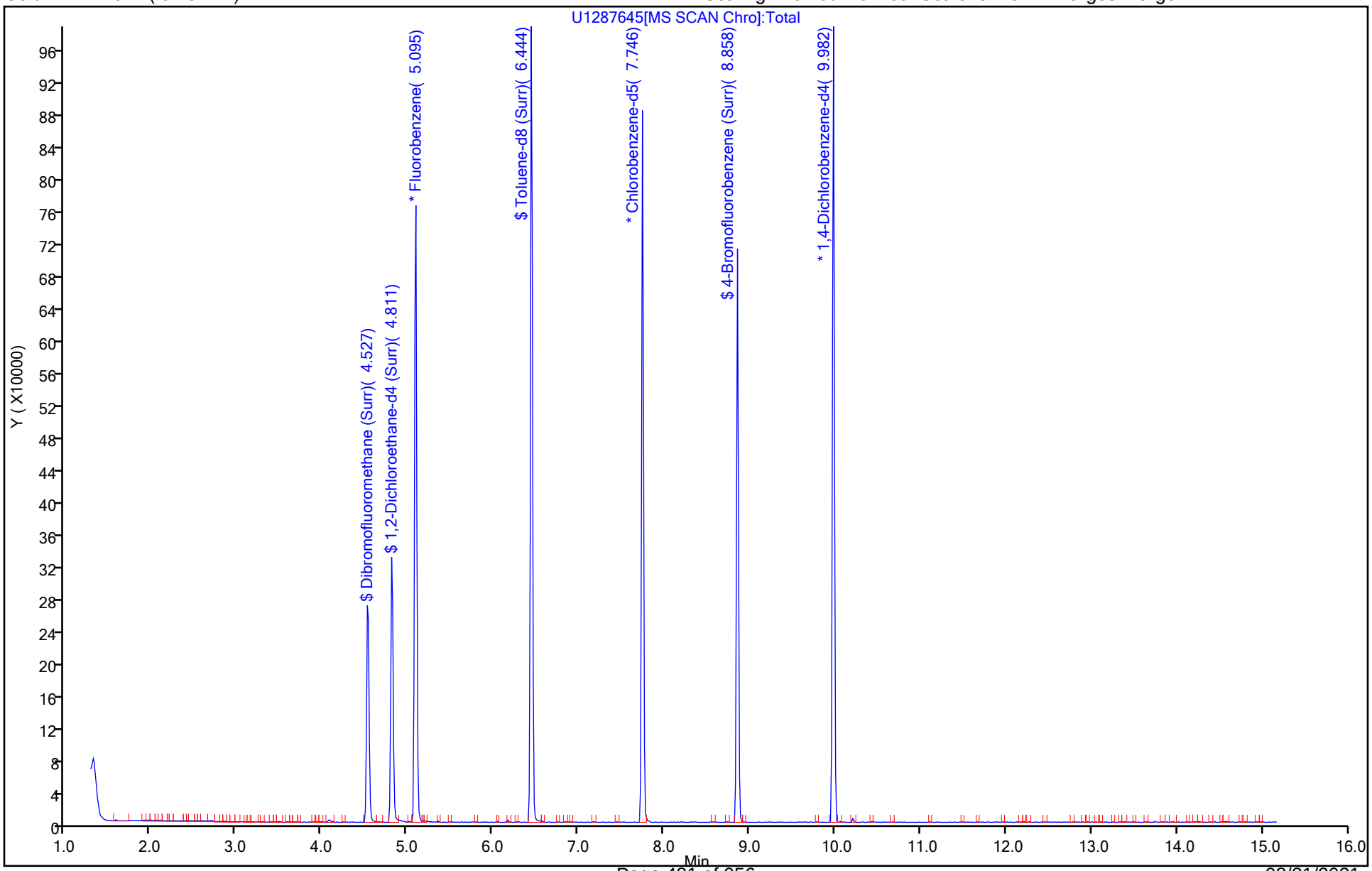
Report Date: 26-Aug-2021 22:19:31 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287645.D

Injection Date:	26-Aug-2021 21:16:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-A-25	Lab Sample ID:	240-154716-25	Worklist Smp#:	10
Client ID:	MSA-SW44A-081721				
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



Eurofins TestAmerica, Canton
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287645.D				
Lims ID:	240-154716-A-25				
Client ID:	MSA-SW44A-081721				
Sample Type:	Client				
Inject. Date:	26-Aug-2021 21:16:30	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112596-010				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	26-Aug-2021 22:19:31	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1652				

First Level Reviewer: laveyt Date: 26-Aug-2021 22:19:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.0	105.16
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.5	112.36
$ 6 Toluene-d8 (Surr)	20.0	18.6	92.94
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.9	99.65

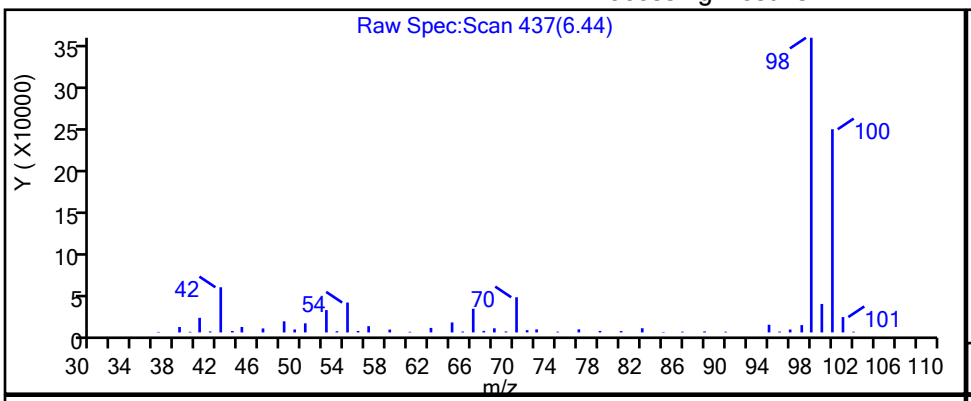
User Disabled Compound Report

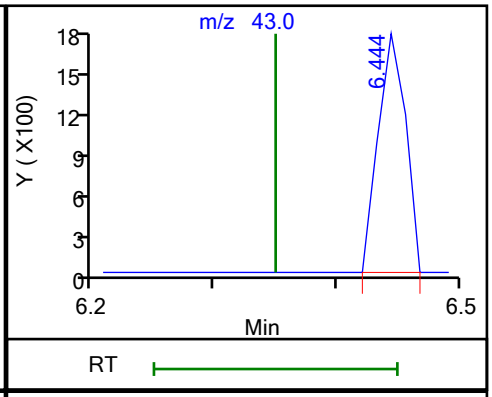
Eurofins TestAmerica, Canton

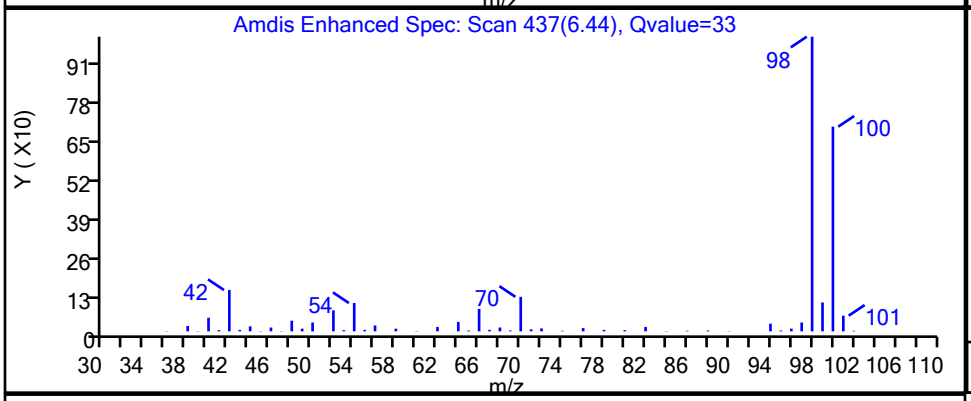
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287645.D				
Injection Date:	26-Aug-2021 21:16:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-A-25	Lab Sample ID:	240-154716-25		
Client ID:	MSA-SW44A-081721				
Operator ID:	001904	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

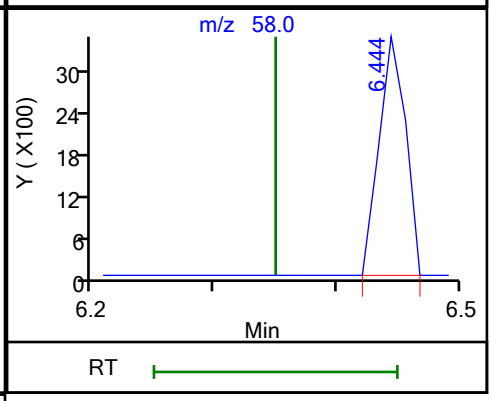
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

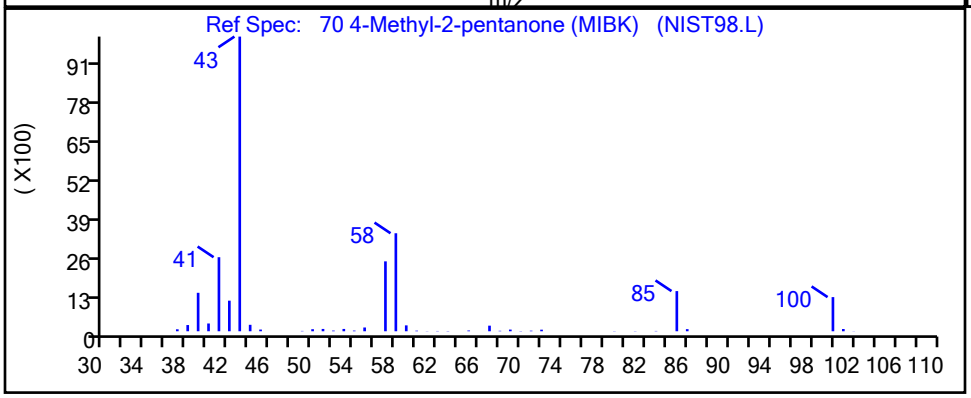
Processing Results











RT	Mass	Response	Amount
6.44	43.00	2685	0.203452
6.44	58.00	5170	

Reviewer: laveyt, 26-Aug-2021 22:19:23

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-081721 Lab Sample ID: 240-154716-26

Matrix: Water Lab File ID: U1287646.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:35

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:38

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-081721 Lab Sample ID: 240-154716-26

Matrix: Water Lab File ID: U1287646.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:35

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:38

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-081721 Lab Sample ID: 240-154716-26

Matrix: Water Lab File ID: U1287646.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:35

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:38

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-081721 Lab Sample ID: 240-154716-26

Matrix: Water Lab File ID: U1287646.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:35

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:38

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.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-081721 Lab Sample ID: 240-154716-26

Matrix: Water Lab File ID: U1287646.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:35

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 21:38

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.: 501270 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\20210826-112596.b\U1287646.D
Lims ID: 240-154716-C-26
Client ID: MSA-SW44B-081721
Sample Type: Client
Inject. Date: 26-Aug-2021 21:38:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-011
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Aug-2021 22:19:48 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: laveyt Date: 26-Aug-2021 22:19:48

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	98	654945	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	430621	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	240069	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	93	176233	21.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	232819	23.7	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	599313	18.8	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	233083	20.6	
9 Dichlorodifluoromethane	85		1.391				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.675				ND	
14 Bromomethane	94		1.924				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.243				ND	
21 1,1-Dichloroethene	61		2.622				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.835				ND	
29 Methylene Chloride	49		3.048				ND	
30 2-Methyl-2-propanol	59		3.155				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.125				ND	
42 2-Butanone (MEK)	72		4.137				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		4.681				ND	
54 Benzene	78		4.858				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		5.592				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		6.349				ND	U
71 Toluene	91		6.503				ND	
72 trans-1,3-Dichloropropene	75		6.704				ND	
76 Tetrachloroethene	166		6.988				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	
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		7.982				ND	
87 o-Xylene	106		8.361				ND	
88 Styrene	104		8.373				ND	
89 Bromoform	173		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.958				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.065				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.148				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

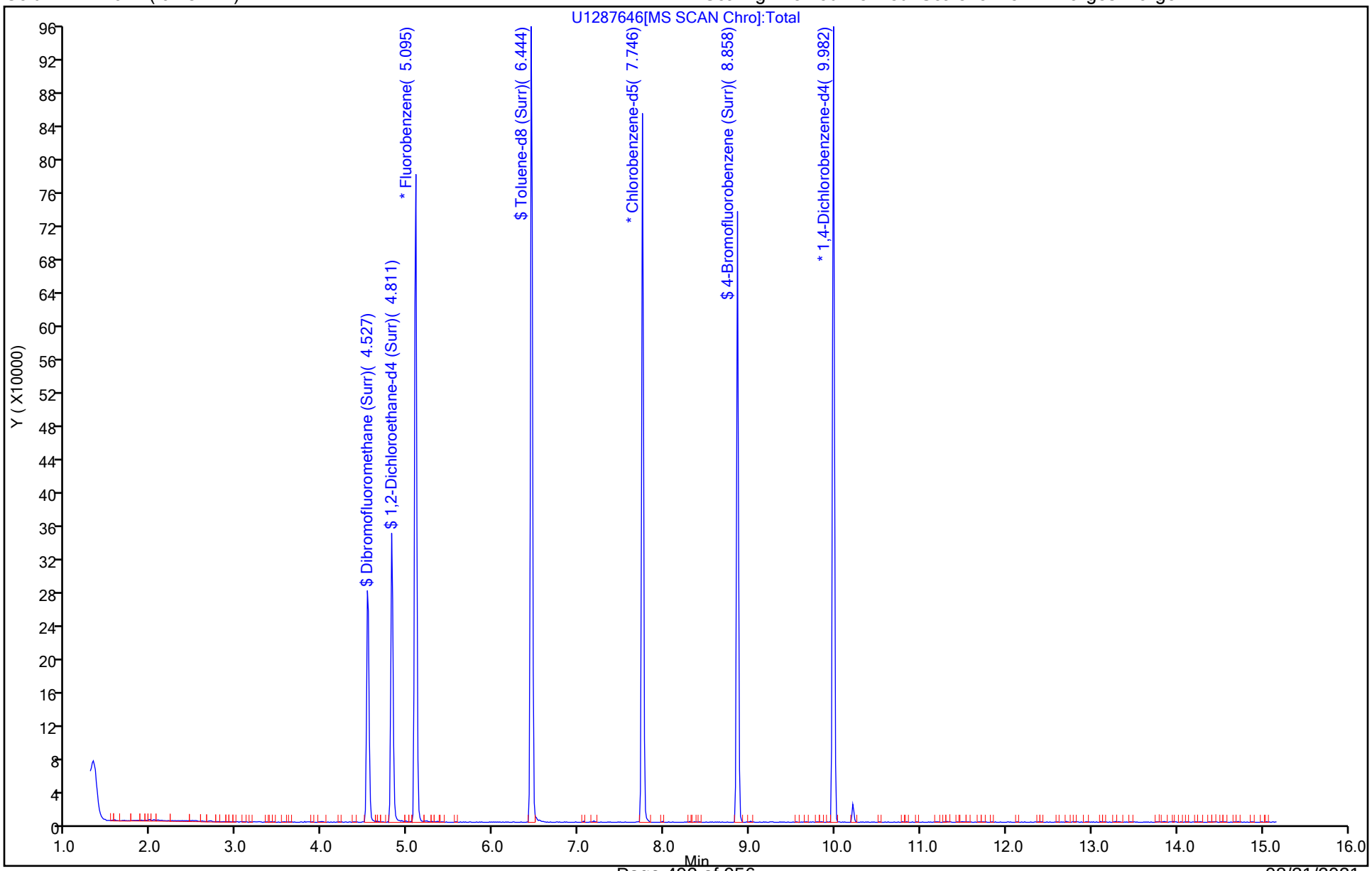
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 26-Aug-2021 22:19:48 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287646.D				
Injection Date:	26-Aug-2021 21:38:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-C-26	Lab Sample ID:	240-154716-26	Worklist Smp#:	11
Client ID:	MSA-SW44B-081721				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
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\20210826-112596.b\U1287646.D				
Lims ID:	240-154716-C-26				
Client ID:	MSA-SW44B-081721				
Sample Type:	Client				
Inject. Date:	26-Aug-2021 21:38:30	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112596-011				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	26-Aug-2021 22:19:48	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1652				

First Level Reviewer: laveyt Date: 26-Aug-2021 22:19:48

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.4	106.84
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.7	118.56
$ 6 Toluene-d8 (Surr)	20.0	18.8	93.91
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.6	103.01

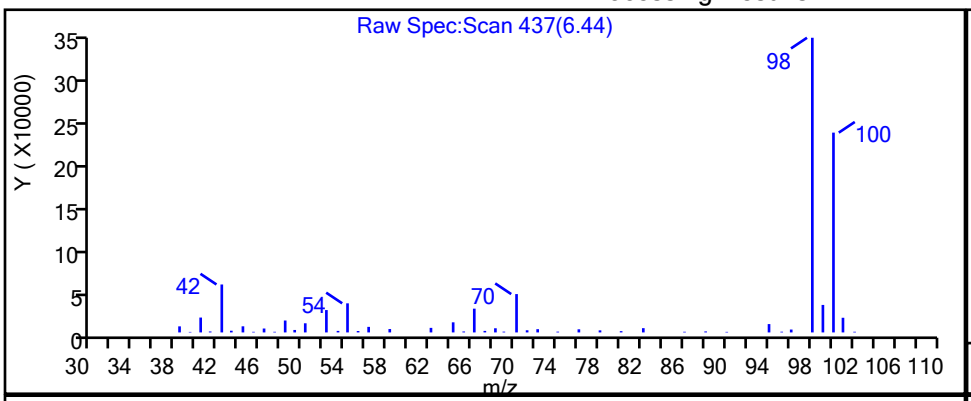
User Disabled Compound Report

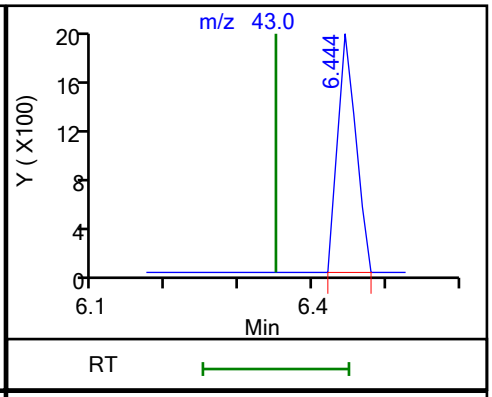
Eurofins TestAmerica, Canton

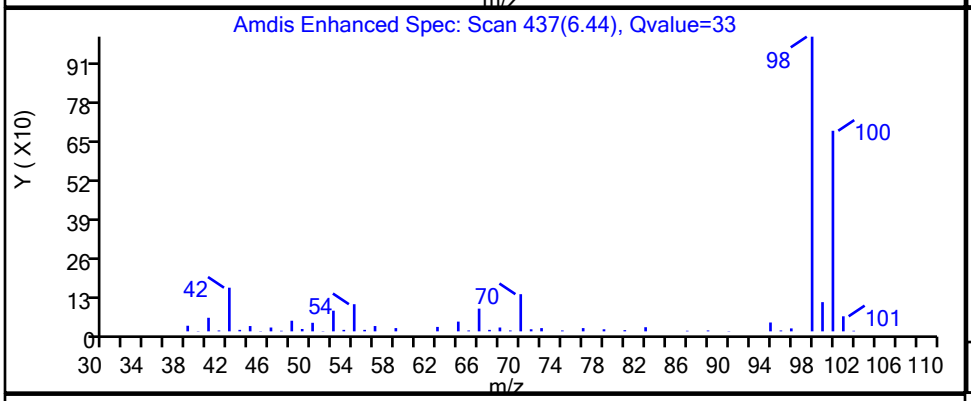
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287646.D				
Injection Date:	26-Aug-2021 21:38:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-C-26	Lab Sample ID:	240-154716-26		
Client ID:	MSA-SW44B-081721				
Operator ID:	001904	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

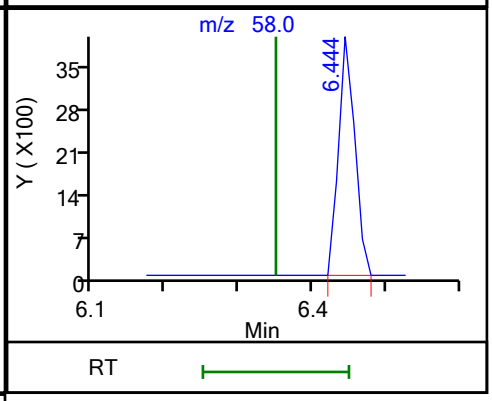
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

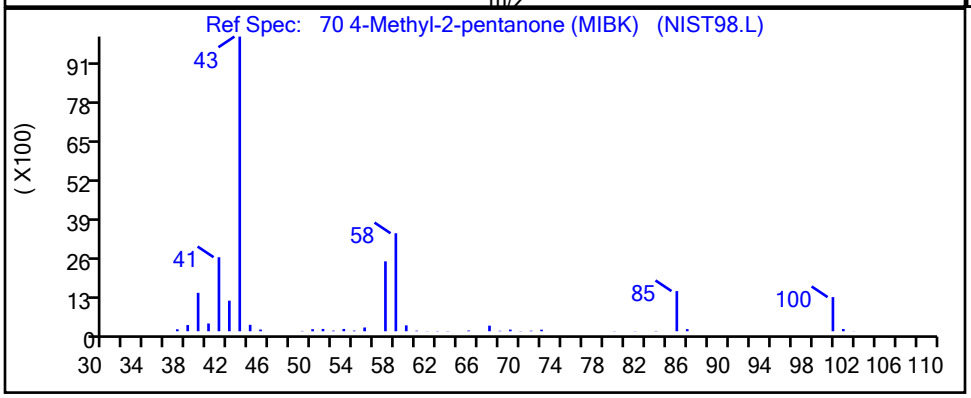
Processing Results











RT	Mass	Response	Amount
6.44	43.00	3438	0.261222
6.44	58.00	6106	

Reviewer: laveyt, 26-Aug-2021 22:19:40

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-081721 Lab Sample ID: 240-154716-27

Matrix: Water Lab File ID: U1287647.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:38

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-081721 Lab Sample ID: 240-154716-27

Matrix: Water Lab File ID: U1287647.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:38

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-081721 Lab Sample ID: 240-154716-27

Matrix: Water Lab File ID: U1287647.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:38

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-081721 Lab Sample ID: 240-154716-27

Matrix: Water Lab File ID: U1287647.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:38

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-081721 Lab Sample ID: 240-154716-27

Matrix: Water Lab File ID: U1287647.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:38

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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\20210826-112596.b\U1287647.D
Lims ID: 240-154716-B-27
Client ID: MSA-SW44C-081721
Sample Type: Client
Inject. Date: 26-Aug-2021 22:00:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-012
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Aug-2021 22:20:08 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: laveyt Date: 26-Aug-2021 22:20:08

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	98	672890	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	443078	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	238662	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	178932	21.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	95	228631	22.7	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	618134	18.8	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	239168	20.5	
9 Dichlorodifluoromethane	85		1.391				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.675				ND	
14 Bromomethane	94		1.924				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.243				ND	
21 1,1-Dichloroethene	61		2.622				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.835				ND	
29 Methylene Chloride	49		3.048				ND	
30 2-Methyl-2-propanol	59		3.155				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.125				ND	
42 2-Butanone (MEK)	72		4.137				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		4.681				ND	
54 Benzene	78		4.858				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		5.592				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		6.349				ND	U
71 Toluene	91		6.503				ND	
72 trans-1,3-Dichloropropene	75		6.704				ND	
76 Tetrachloroethene	166		6.988				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	
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		7.982				ND	
87 o-Xylene	106		8.361				ND	
88 Styrene	104		8.373				ND	
89 Bromoform	173		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.958				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.065				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.148				ND	
117 Naphthalene	128		12.219				ND	7
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

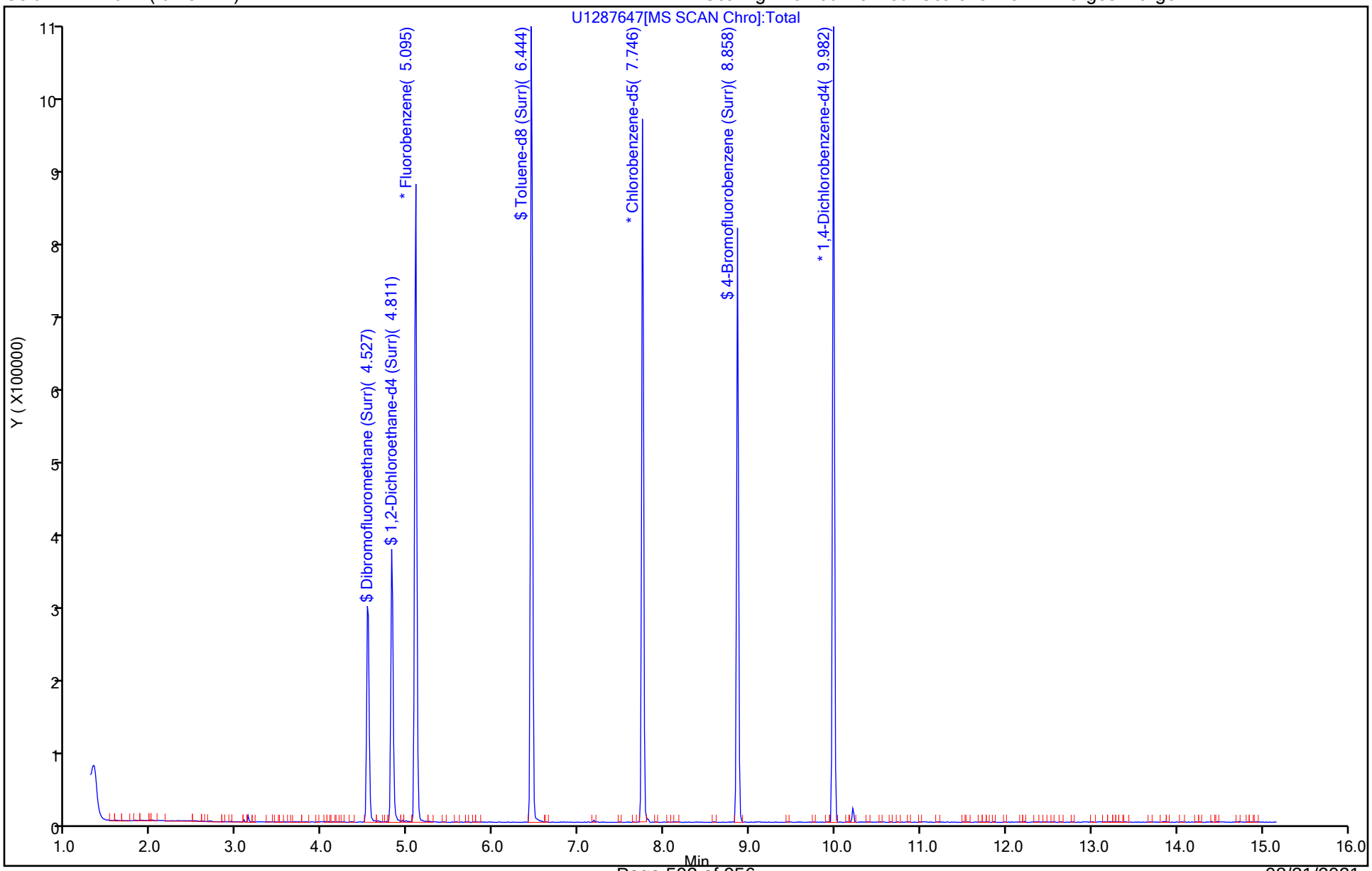
Report Date: 26-Aug-2021 22:20:08 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287647.D

Injection Date:	26-Aug-2021 22:00:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-27	Lab Sample ID:	240-154716-27	Worklist Smp#:	12
Client ID:	MSA-SW44C-081721				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
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\20210826-112596.b\U1287647.D				
Lims ID:	240-154716-B-27				
Client ID:	MSA-SW44C-081721				
Sample Type:	Client				
Inject. Date:	26-Aug-2021 22:00:30	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112596-012				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	26-Aug-2021 22:20:08	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1652				

First Level Reviewer: laveyt Date: 26-Aug-2021 22:20:08

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.1	105.58
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.7	113.32
$ 6 Toluene-d8 (Surr)	20.0	18.8	94.14
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.5	102.73

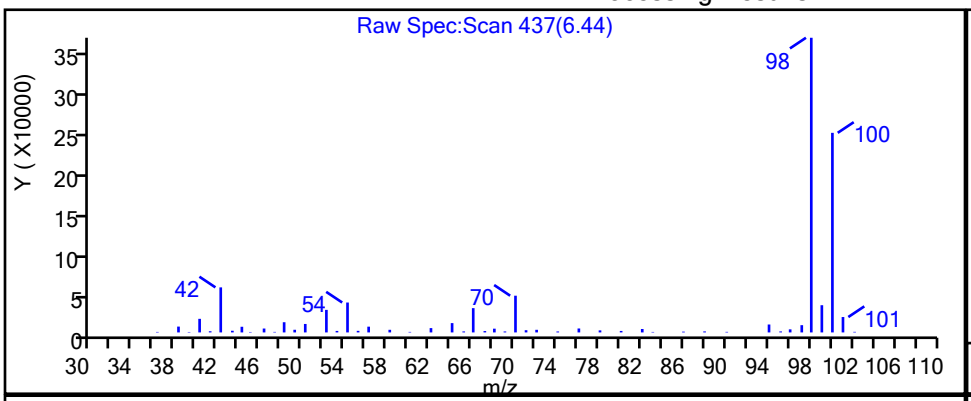
User Disabled Compound Report

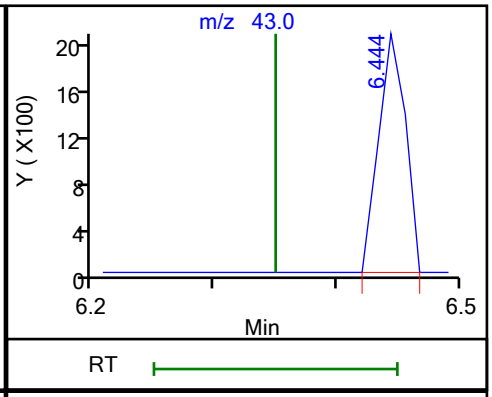
Eurofins TestAmerica, Canton

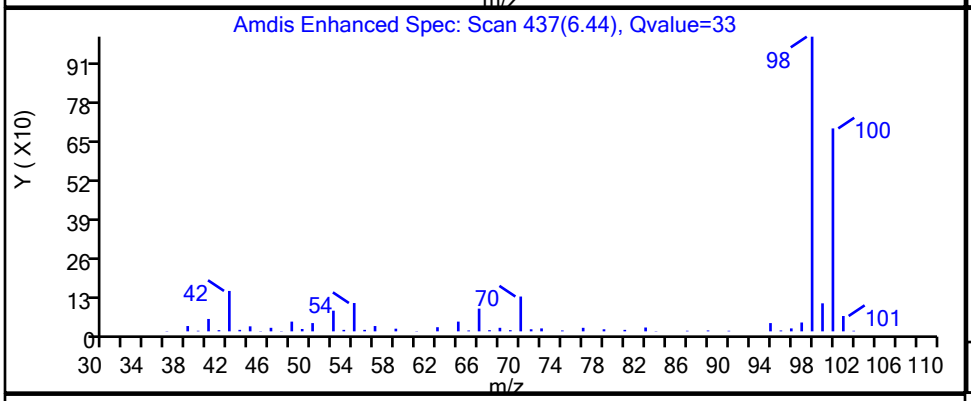
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287647.D				
Injection Date:	26-Aug-2021 22:00:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-B-27	Lab Sample ID:	240-154716-27		
Client ID:	MSA-SW44C-081721				
Operator ID:	001904	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

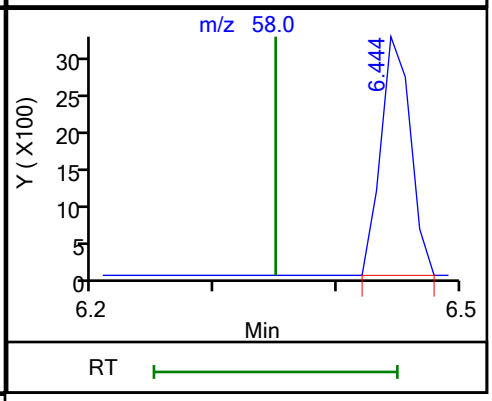
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

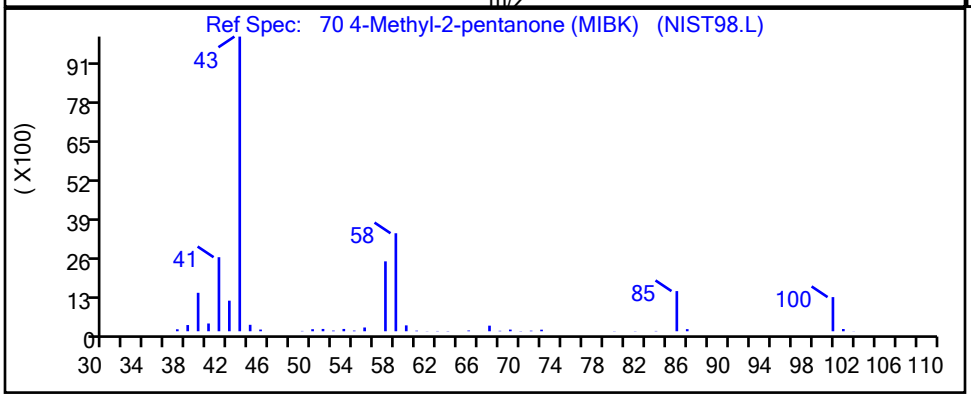
Processing Results











RT	Mass	Response	Amount
6.44	43.00	3149	0.232882
6.44	58.00	5443	

Reviewer: laveyt, 26-Aug-2021 22:19:57

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-081721 Lab Sample ID: 240-154716-28

Matrix: Water Lab File ID: U1287648.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:40

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:23

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-081721 Lab Sample ID: 240-154716-28

Matrix: Water Lab File ID: U1287648.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:40

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:23

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-081721 Lab Sample ID: 240-154716-28

Matrix: Water Lab File ID: U1287648.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:40

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:23

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-081721 Lab Sample ID: 240-154716-28

Matrix: Water Lab File ID: U1287648.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:40

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:23

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.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-081721 Lab Sample ID: 240-154716-28

Matrix: Water Lab File ID: U1287648.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:40

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:23

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.: 501270 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\20210826-112596.b\U1287648.D
Lims ID: 240-154716-B-28
Client ID: MSA-SW44D-081721
Sample Type: Client
Inject. Date: 26-Aug-2021 22:23:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-013
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2021 13:20:32 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: laveyt Date: 27-Aug-2021 13:20:31

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	98	759143	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	518381	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	266761	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	184567	19.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	261710	23.0	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	708525	18.4	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	267157	19.6	
9 Dichlorodifluoromethane	85		1.391				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.675				ND	
14 Bromomethane	94		1.924				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.243				ND	
21 1,1-Dichloroethene	61		2.622				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.835				ND	
29 Methylene Chloride	49		3.048				ND	
30 2-Methyl-2-propanol	59		3.155				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.125				ND	
42 2-Butanone (MEK)	72		4.137				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		4.681				ND	
54 Benzene	78		4.858				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		5.592				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		6.349				ND	U
71 Toluene	91		6.503				ND	
72 trans-1,3-Dichloropropene	75		6.704				ND	
76 Tetrachloroethene	166		6.988				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	
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		7.982				ND	
87 o-Xylene	106		8.361				ND	
88 Styrene	104		8.373				ND	
89 Bromoform	173		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.958				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.065				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.148				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

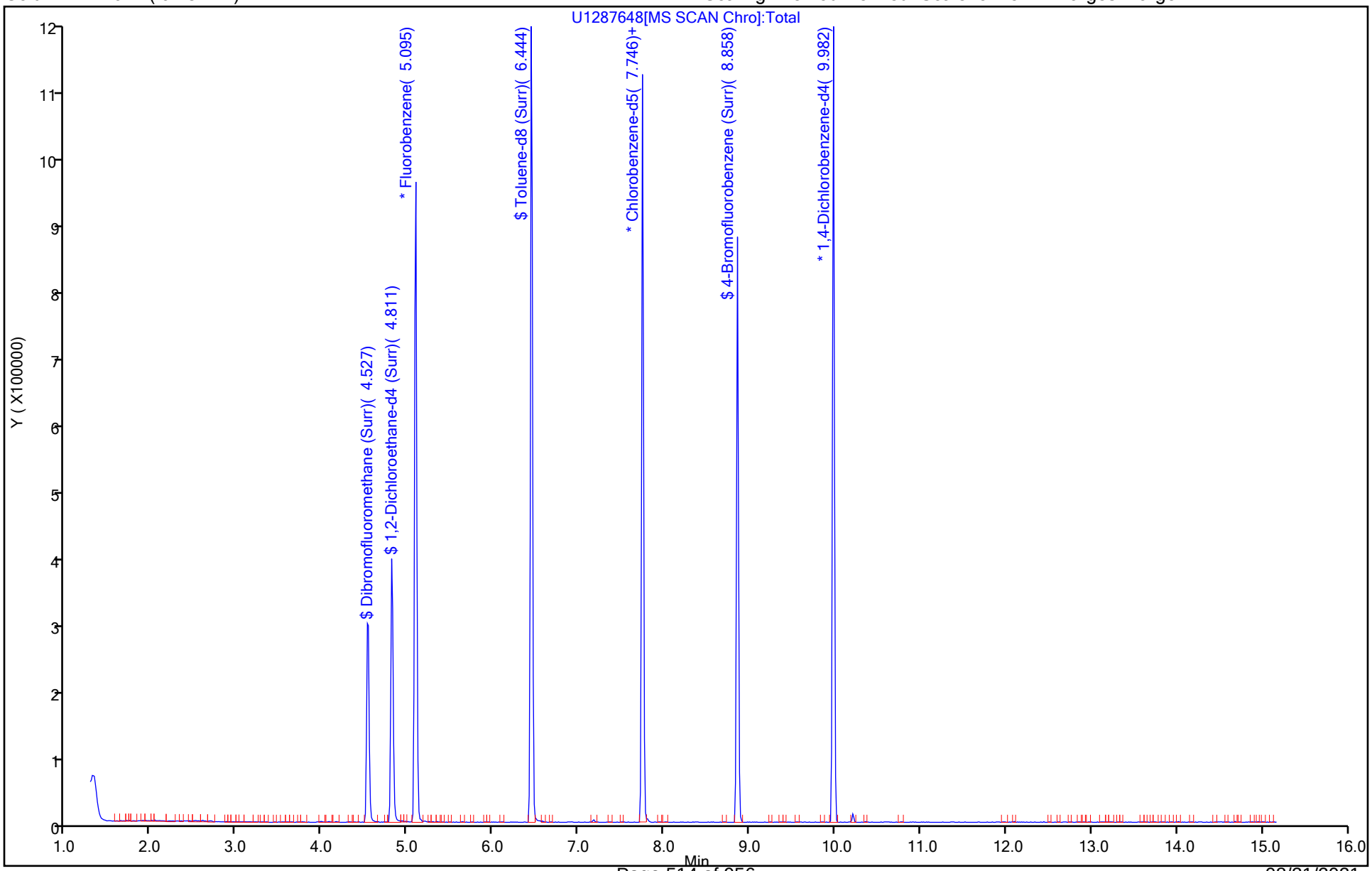
Report Date: 27-Aug-2021 13:20:32 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287648.D

Injection Date:	26-Aug-2021 22:23:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-28	Lab Sample ID:	240-154716-28	Worklist Smp#:	13
Client ID:	MSA-SW44D-081721				
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
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287648.D				
Lims ID:	240-154716-B-28				
Client ID:	MSA-SW44D-081721				
Sample Type:	Client				
Inject. Date:	26-Aug-2021 22:23:30	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112596-013				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	27-Aug-2021 13:20:32	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1642				

First Level Reviewer: laveyt Date: 27-Aug-2021 13:20:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.3	96.53
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.0	114.98
$ 6 Toluene-d8 (Surr)	20.0	18.4	92.23
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.6	98.08

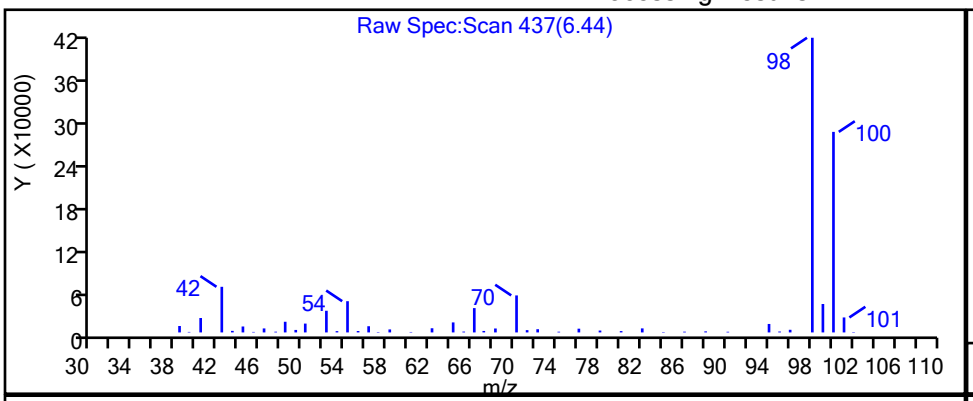
User Disabled Compound Report

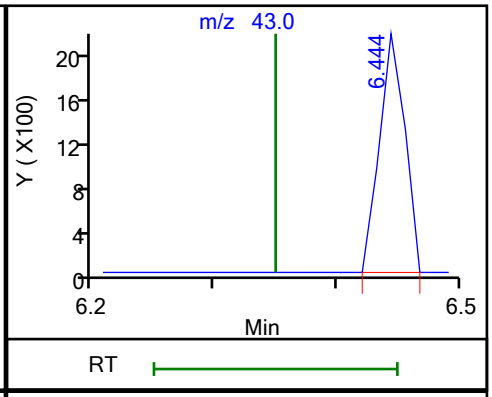
Eurofins TestAmerica, Canton

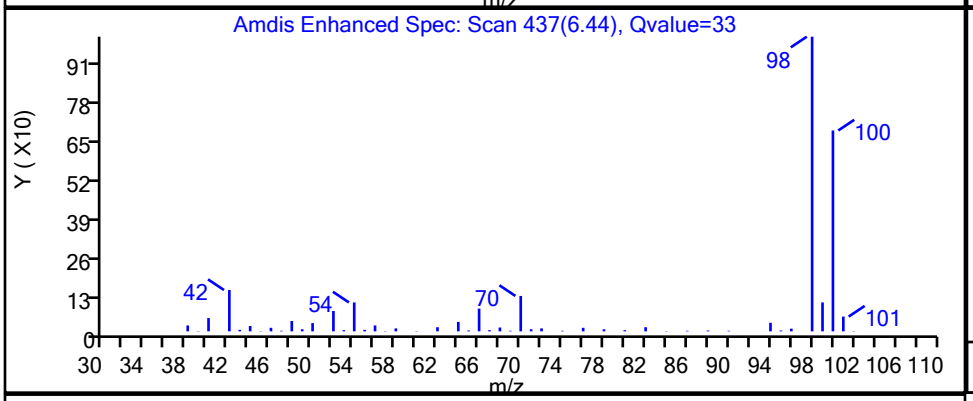
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287648.D				
Injection Date:	26-Aug-2021 22:23:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-B-28	Lab Sample ID:	240-154716-28		
Client ID:	MSA-SW44D-081721				
Operator ID:	001904	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

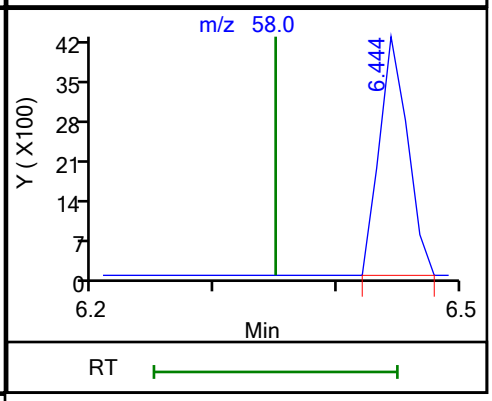
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

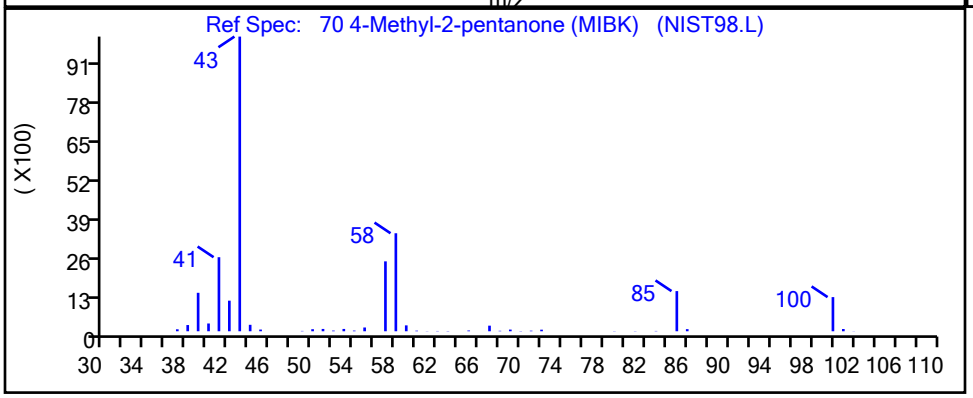
Processing Results











RT	Mass	Response	Amount
6.44	43.00	3172	0.207930
6.44	58.00	6847	

Reviewer: laveyt, 27-Aug-2021 13:19:59

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-081721 Lab Sample ID: 240-154716-29

Matrix: Water Lab File ID: U1287649.D

Analysis Method: 8260C Date Collected: 08/17/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:45

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-081721 Lab Sample ID: 240-154716-29

Matrix: Water Lab File ID: U1287649.D

Analysis Method: 8260C Date Collected: 08/17/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:45

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-081721 Lab Sample ID: 240-154716-29

Matrix: Water Lab File ID: U1287649.D

Analysis Method: 8260C Date Collected: 08/17/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:45

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	102		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		62-137
2037-26-5	Toluene-d8 (Surr)	96		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-081721 Lab Sample ID: 240-154716-29

Matrix: Water Lab File ID: U1287649.D

Analysis Method: 8260C Date Collected: 08/17/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:45

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-081721 Lab Sample ID: 240-154716-29

Matrix: Water Lab File ID: U1287649.D

Analysis Method: 8260C Date Collected: 08/17/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 22:45

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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\20210826-112596.b\U1287649.D
Lims ID: 240-154716-B-29
Client ID: TB-081721
Sample Type: Client
Inject. Date: 26-Aug-2021 22:45:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-014
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2021 13:20:32 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: laveyt Date: 27-Aug-2021 13:21:01

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	98	737539	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	489666	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	254037	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	189119	20.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	95	255524	23.1	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	695772	19.2	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	265568	20.6	
9 Dichlorodifluoromethane	85		1.391				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.675				ND	
14 Bromomethane	94		1.924				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.243				ND	
21 1,1-Dichloroethene	61		2.622				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.835				ND	
29 Methylene Chloride	49	3.048	3.048	0.000	91	4002	0.2197	
30 2-Methyl-2-propanol	59		3.155				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.125				ND	
42 2-Butanone (MEK)	72		4.137				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		4.681				ND	
54 Benzene	78		4.858				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		5.592				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		6.349				ND	
71 Toluene	91		6.503				ND	
72 trans-1,3-Dichloropropene	75		6.704				ND	
76 Tetrachloroethene	166		6.988				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	
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		7.982				ND	
87 o-Xylene	106		8.361				ND	
88 Styrene	104		8.373				ND	
89 Bromoform	173		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.958				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.065				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.148				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

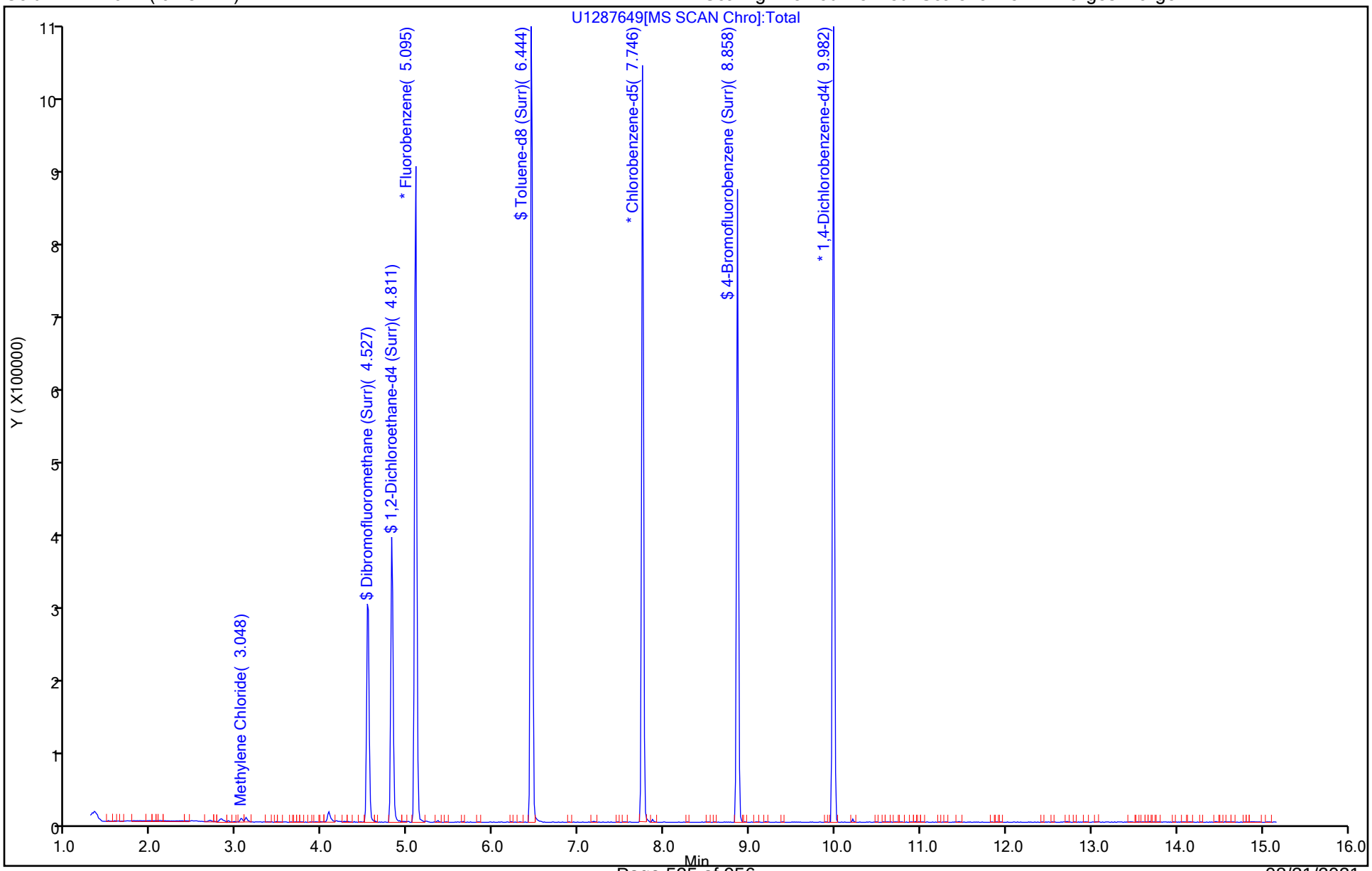
Report Date: 27-Aug-2021 13:21:01 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287649.D

Injection Date:	26-Aug-2021 22:45:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-29	Lab Sample ID:	240-154716-29	Worklist Smp#:	14
Client ID:	TB-081721				
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
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287649.D				
Lims ID:	240-154716-B-29				
Client ID:	TB-081721				
Sample Type:	Client				
Inject. Date:	26-Aug-2021 22:45:30	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112596-014				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	27-Aug-2021 13:20:32	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1642				

First Level Reviewer: laveyt Date: 27-Aug-2021 13:21:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.4	101.81
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.1	115.55
$ 6 Toluene-d8 (Surr)	20.0	19.2	95.88
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.6	103.21

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-081721 Lab Sample ID: 240-154716-30

Matrix: Water Lab File ID: U1287650.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-081721 Lab Sample ID: 240-154716-30

Matrix: Water Lab File ID: U1287650.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-081721 Lab Sample ID: 240-154716-30

Matrix: Water Lab File ID: U1287650.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		56-136
1868-53-7	Dibromofluoromethane (Surr)	96		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		62-137
2037-26-5	Toluene-d8 (Surr)	89		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-081721 Lab Sample ID: 240-154716-30

Matrix: Water Lab File ID: U1287650.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-081721 Lab Sample ID: 240-154716-30

Matrix: Water Lab File ID: U1287650.D

Analysis Method: 8260C Date Collected: 08/17/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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\20210826-112596.b\U1287650.D
Lims ID: 240-154716-B-30
Client ID: MSA-SW46A-081721
Sample Type: Client
Inject. Date: 26-Aug-2021 23:07:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-015
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2021 13:21:23 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: laveyt Date: 27-Aug-2021 13:21:23

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	98	759795	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	88	530190	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	278892	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	184502	19.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	95	247159	21.7	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	699477	17.8	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	261420	18.8	
9 Dichlorodifluoromethane	85		1.391				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.675				ND	
14 Bromomethane	94		1.924				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.243				ND	
21 1,1-Dichloroethene	61		2.622				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.835				ND	
29 Methylene Chloride	49		3.048				ND	
30 2-Methyl-2-propanol	59		3.155				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.125				ND	
42 2-Butanone (MEK)	72		4.137				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		4.681				ND	
54 Benzene	78		4.858				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		5.592				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		6.349				ND	U
71 Toluene	91		6.503				ND	
72 trans-1,3-Dichloropropene	75		6.704				ND	
76 Tetrachloroethene	166		6.988				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	
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		7.982				ND	
87 o-Xylene	106		8.361				ND	
88 Styrene	104		8.373				ND	
89 Bromoform	173		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.958				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.065				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.148				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

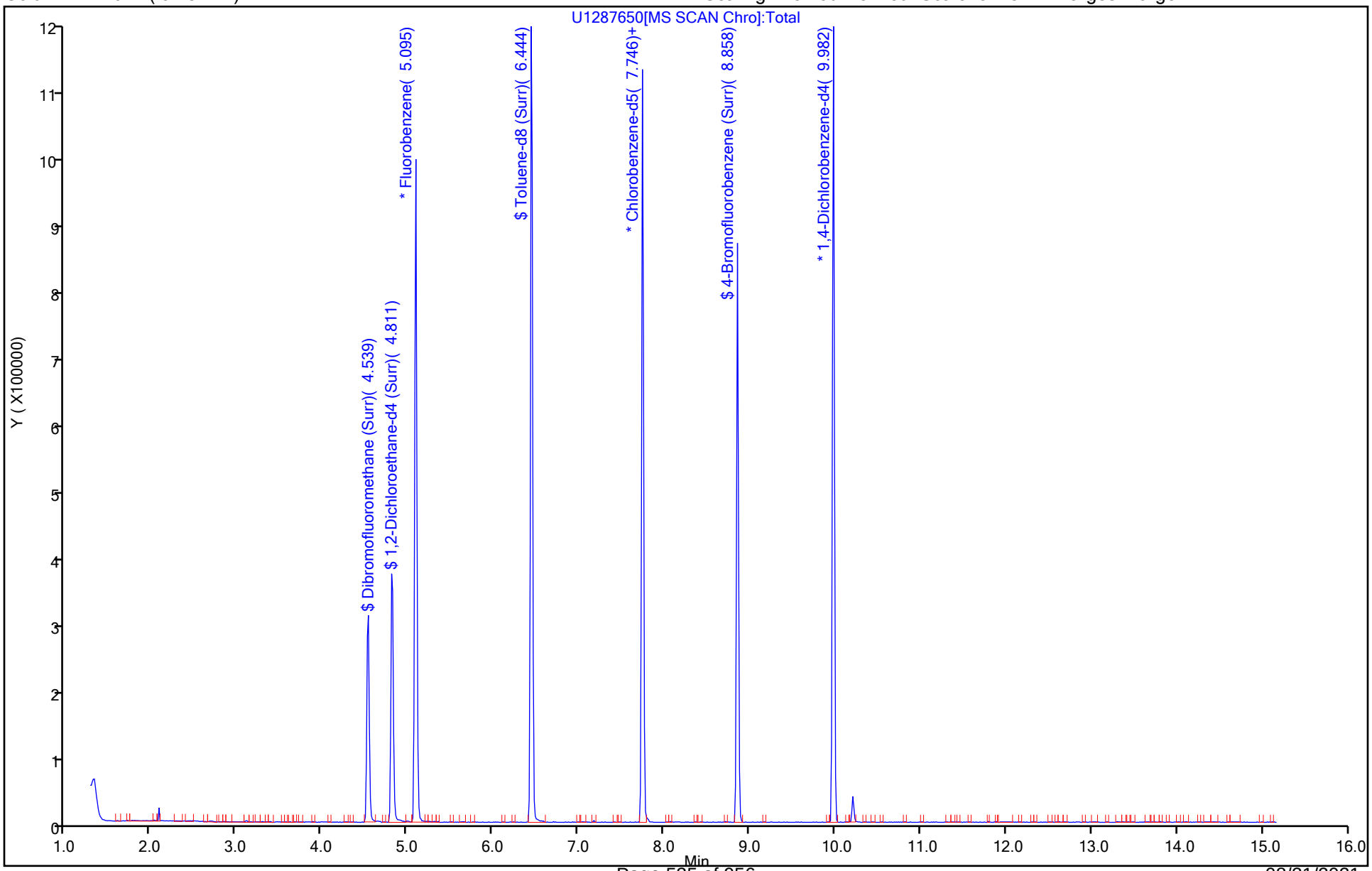
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 27-Aug-2021 13:21:24 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287650.D				
Injection Date:	26-Aug-2021 23:07:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-30	Lab Sample ID:	240-154716-30	Worklist Smp#:	15
Client ID:	MSA-SW46A-081721				
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
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287650.D
Lims ID: 240-154716-B-30
Client ID: MSA-SW46A-081721
Sample Type: Client
Inject. Date: 26-Aug-2021 23:07:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-015
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2021 13:21:23 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: laveyt Date: 27-Aug-2021 13:21:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.3	96.42
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.7	108.50
$ 6 Toluene-d8 (Surr)	20.0	17.8	89.02
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.8	93.84

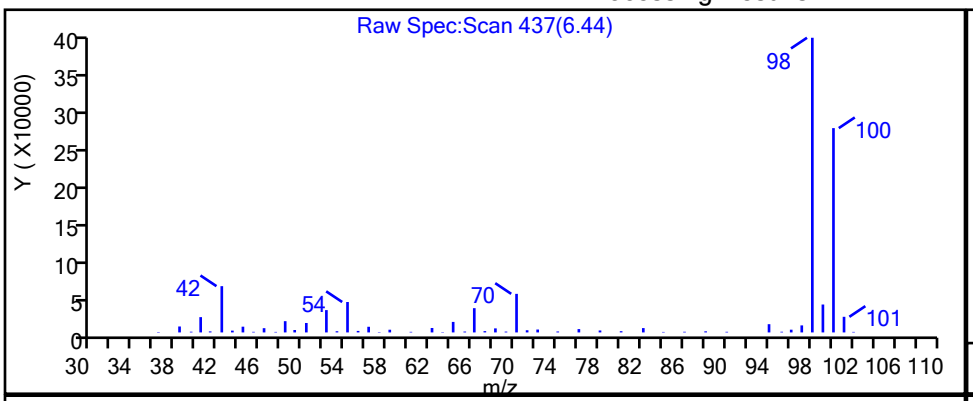
User Disabled Compound Report

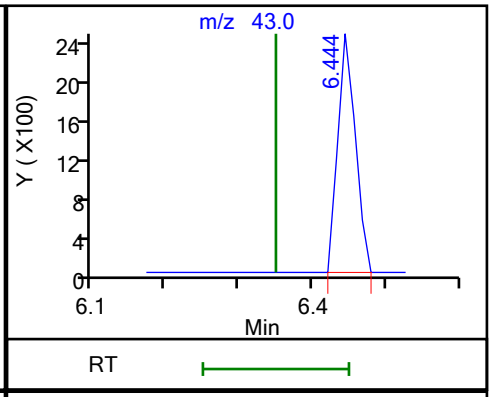
Eurofins TestAmerica, Canton

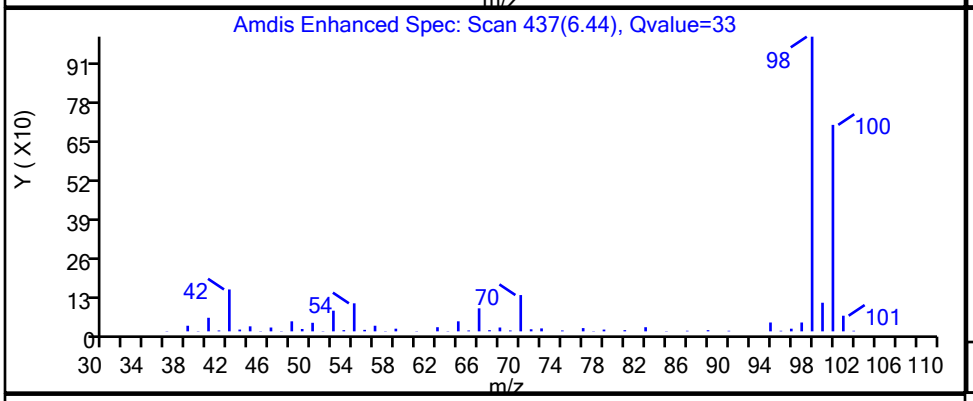
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287650.D				
Injection Date:	26-Aug-2021 23:07:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-B-30	Lab Sample ID:	240-154716-30		
Client ID:	MSA-SW46A-081721				
Operator ID:	001904	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

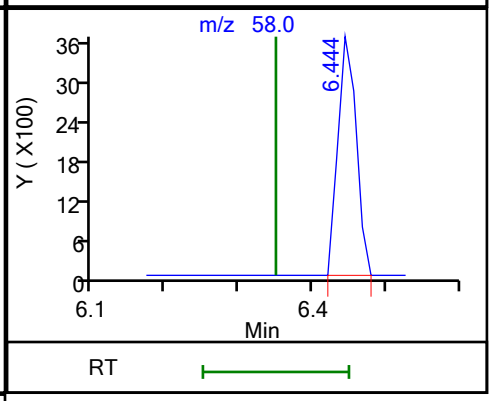
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

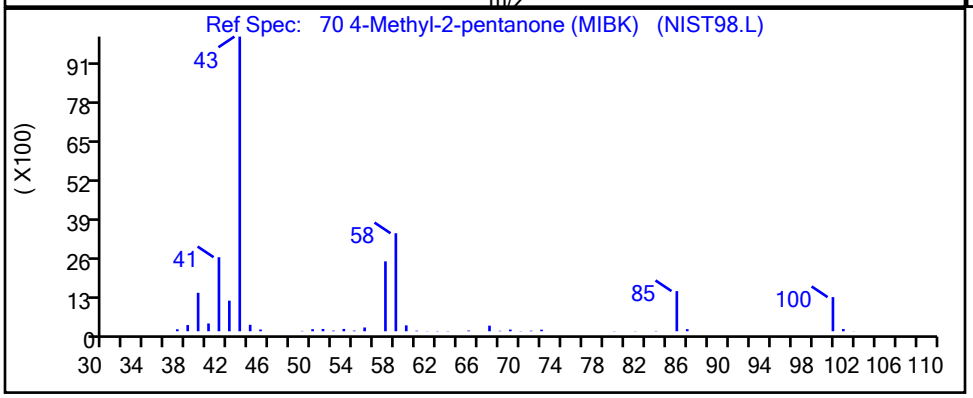
Processing Results











RT	Mass	Response	Amount
6.44	43.00	4029	0.263881
6.44	58.00	6284	

Reviewer: laveyt, 27-Aug-2021 13:21:16

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-081721 Lab Sample ID: 240-154716-31

Matrix: Water Lab File ID: U1287651.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:25

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:29

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-081721 Lab Sample ID: 240-154716-31

Matrix: Water Lab File ID: U1287651.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:25

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:29

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-081721 Lab Sample ID: 240-154716-31

Matrix: Water Lab File ID: U1287651.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:25

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:29

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-081721 Lab Sample ID: 240-154716-31

Matrix: Water Lab File ID: U1287651.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:25

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:29

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.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-081721 Lab Sample ID: 240-154716-31

Matrix: Water Lab File ID: U1287651.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:25

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:29

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.: 501270 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\20210826-112596.b\U1287651.D
Lims ID: 240-154716-B-31
Client ID: MSA-SW47A-081721
Sample Type: Client
Inject. Date: 26-Aug-2021 23:29:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-016
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2021 13:21:45 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: laveyt Date: 27-Aug-2021 13:21:45

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	98	750614	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	88	512890	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	258285	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	93	184203	19.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	95	251644	22.4	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	718670	18.9	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	263736	19.6	
9 Dichlorodifluoromethane	85		1.391				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.675				ND	
14 Bromomethane	94		1.924				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.243				ND	
21 1,1-Dichloroethene	61		2.622				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.835				ND	
29 Methylene Chloride	49		3.048				ND	
30 2-Methyl-2-propanol	59		3.155				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.125				ND	
42 2-Butanone (MEK)	72		4.137				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		4.681				ND	
54 Benzene	78		4.858				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		5.592				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		6.349				ND	
71 Toluene	91		6.503				ND	
72 trans-1,3-Dichloropropene	75		6.704				ND	
76 Tetrachloroethene	166		6.988				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		7.982				ND	
87 o-Xylene	106		8.361				ND	
88 Styrene	104		8.373				ND	
89 Bromoform	173		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.958				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.065				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.148				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

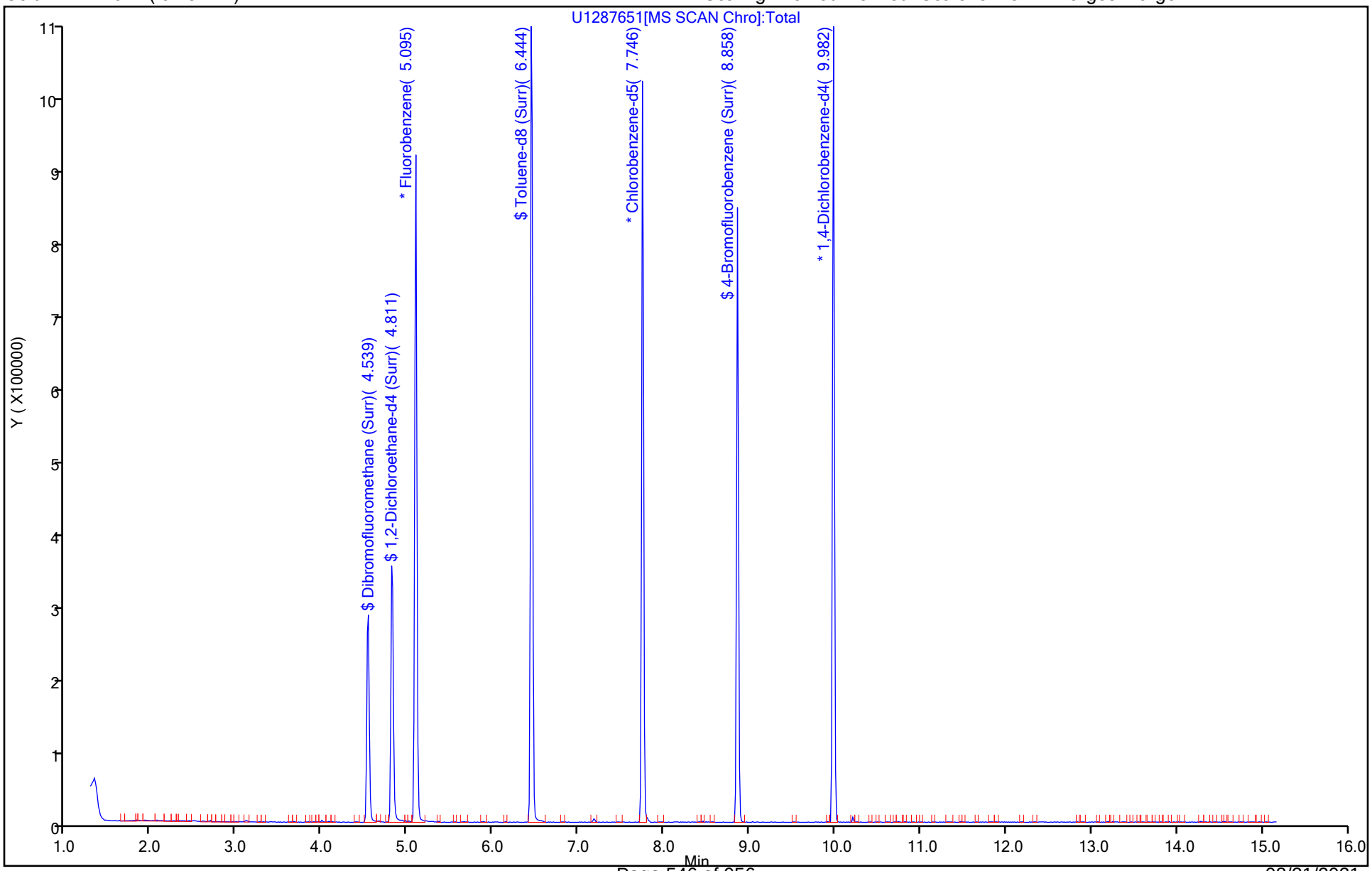
Report Date: 27-Aug-2021 13:21:46 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287651.D

Injection Date:	26-Aug-2021 23:29:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-31	Lab Sample ID:	240-154716-31	Worklist Smp#:	16
Client ID:	MSA-SW47A-081721				
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
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287651.D				
Lims ID:	240-154716-B-31				
Client ID:	MSA-SW47A-081721				
Sample Type:	Client				
Inject. Date:	26-Aug-2021 23:29:30	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112596-016				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	27-Aug-2021 13:21:45	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1642				

First Level Reviewer: laveyt Date: 27-Aug-2021 13:21:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.5	97.44
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.4	111.82
$ 6 Toluene-d8 (Surr)	20.0	18.9	94.55
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.6	97.86

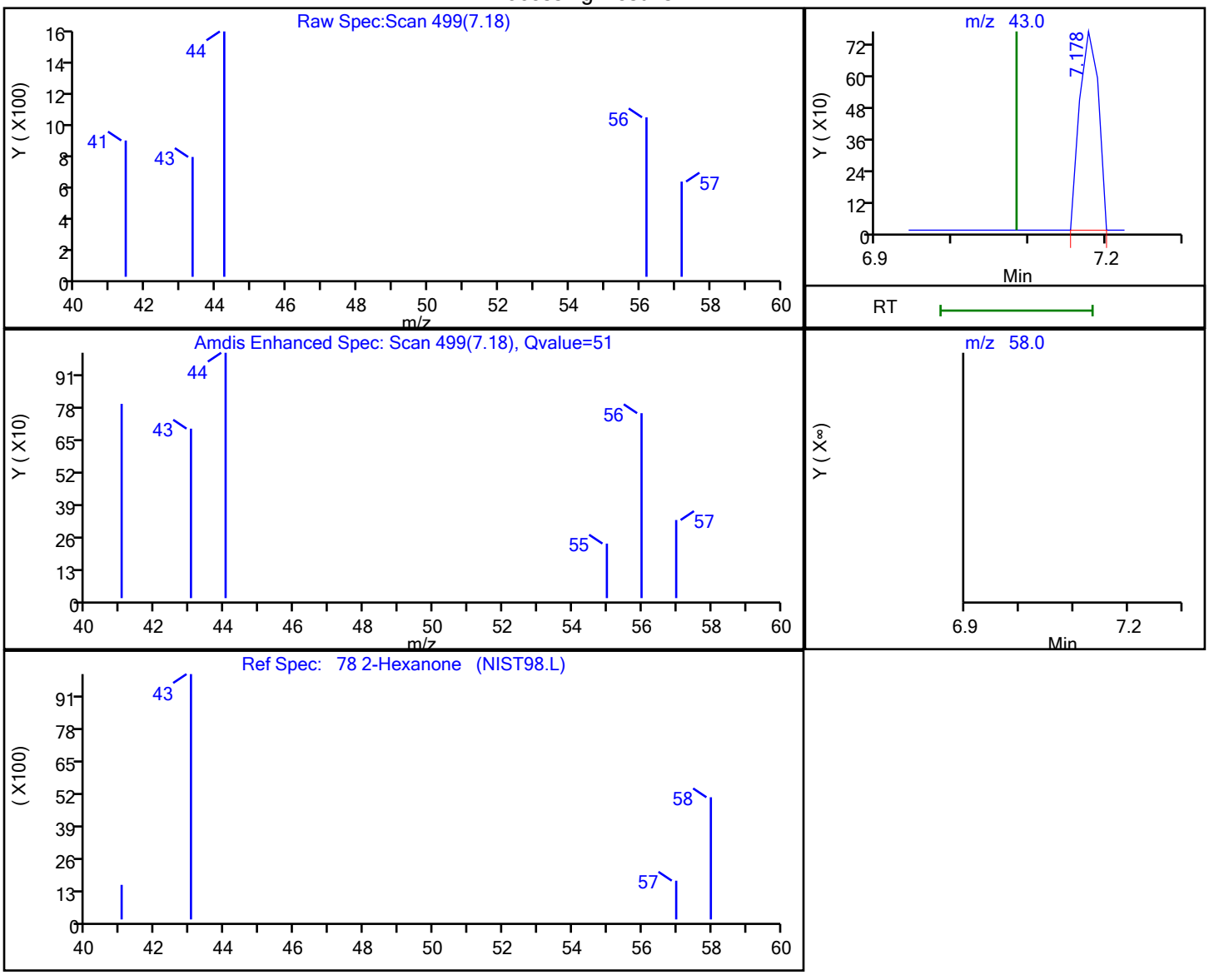
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287651.D				
Injection Date:	26-Aug-2021 23:29:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-B-31	Lab Sample ID:	240-154716-31		
Client ID:	MSA-SW47A-081721				
Operator ID:	001904	ALS Bottle#:	15	Worklist Smp#:	16
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	1323	0.112862
7.08	58.00	0	

Reviewer: laveyt, 27-Aug-2021 13:21:38

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-081721 Lab Sample ID: 240-154716-32

Matrix: Water Lab File ID: U1287652.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:08

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:52

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-081721 Lab Sample ID: 240-154716-32

Matrix: Water Lab File ID: U1287652.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:08

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:52

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-081721 Lab Sample ID: 240-154716-32

Matrix: Water Lab File ID: U1287652.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:08

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:52

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		62-137
2037-26-5	Toluene-d8 (Surr)	91		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-081721 Lab Sample ID: 240-154716-32

Matrix: Water Lab File ID: U1287652.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:08

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:52

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-081721 Lab Sample ID: 240-154716-32

Matrix: Water Lab File ID: U1287652.D

Analysis Method: 8260C Date Collected: 08/17/2021 10:08

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 23:52

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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\20210826-112596.b\U1287652.D
Lims ID: 240-154716-B-32
Client ID: MSA-SW48A-081721
Sample Type: Client
Inject. Date: 26-Aug-2021 23:52:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-017
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2021 13:22:11 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: laveyt Date: 27-Aug-2021 13:22:11

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	98	761449	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	521933	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	282518	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	185226	19.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	249592	21.9	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	704619	18.2	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	263929	19.2	
9 Dichlorodifluoromethane	85		1.391				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.675				ND	
14 Bromomethane	94		1.924				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.243				ND	
21 1,1-Dichloroethene	61		2.622				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.835				ND	
29 Methylene Chloride	49		3.048				ND	
30 2-Methyl-2-propanol	59		3.155				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.125				ND	
42 2-Butanone (MEK)	72		4.137				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		4.681				ND	
54 Benzene	78		4.858				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		5.592				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		6.349				ND	U
71 Toluene	91		6.503				ND	
72 trans-1,3-Dichloropropene	75		6.704				ND	
76 Tetrachloroethene	166		6.988				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		7.982				ND	
87 o-Xylene	106		8.361				ND	
88 Styrene	104		8.373				ND	
89 Bromoform	173		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.958				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.065				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.148				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

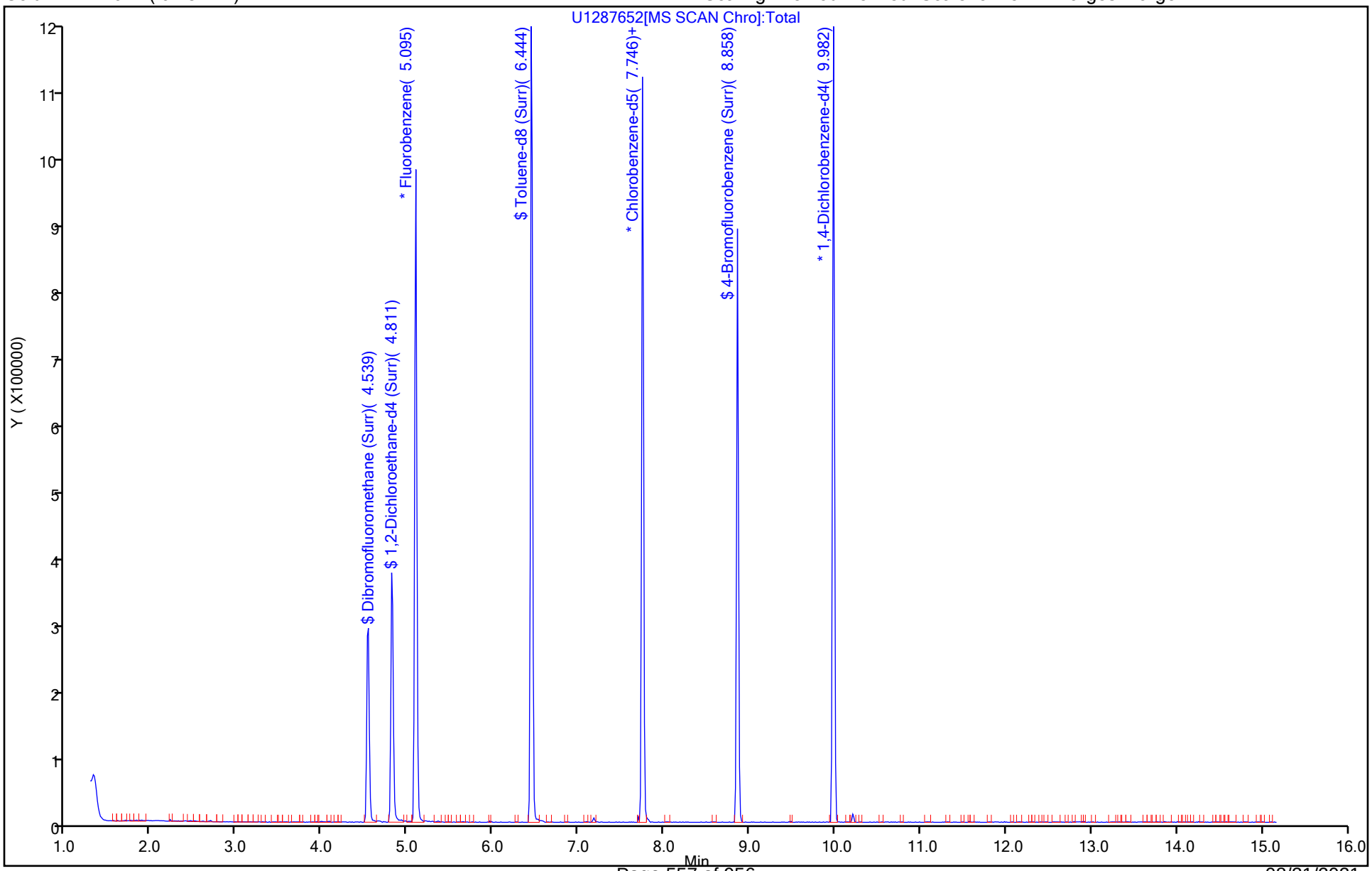
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 27-Aug-2021 13:22:11 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287652.D				
Injection Date:	26-Aug-2021 23:52:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-32	Lab Sample ID:	240-154716-32	Worklist Smp#:	17
Client ID:	MSA-SW48A-081721				
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
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287652.D				
Lims ID:	240-154716-B-32				
Client ID:	MSA-SW48A-081721				
Sample Type:	Client				
Inject. Date:	26-Aug-2021 23:52:30	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112596-017				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	27-Aug-2021 13:22:11	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1642				

First Level Reviewer: laveyt Date: 27-Aug-2021 13:22:11

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.3	96.59
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.9	109.33
$ 6 Toluene-d8 (Surr)	20.0	18.2	91.09
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.2	96.23

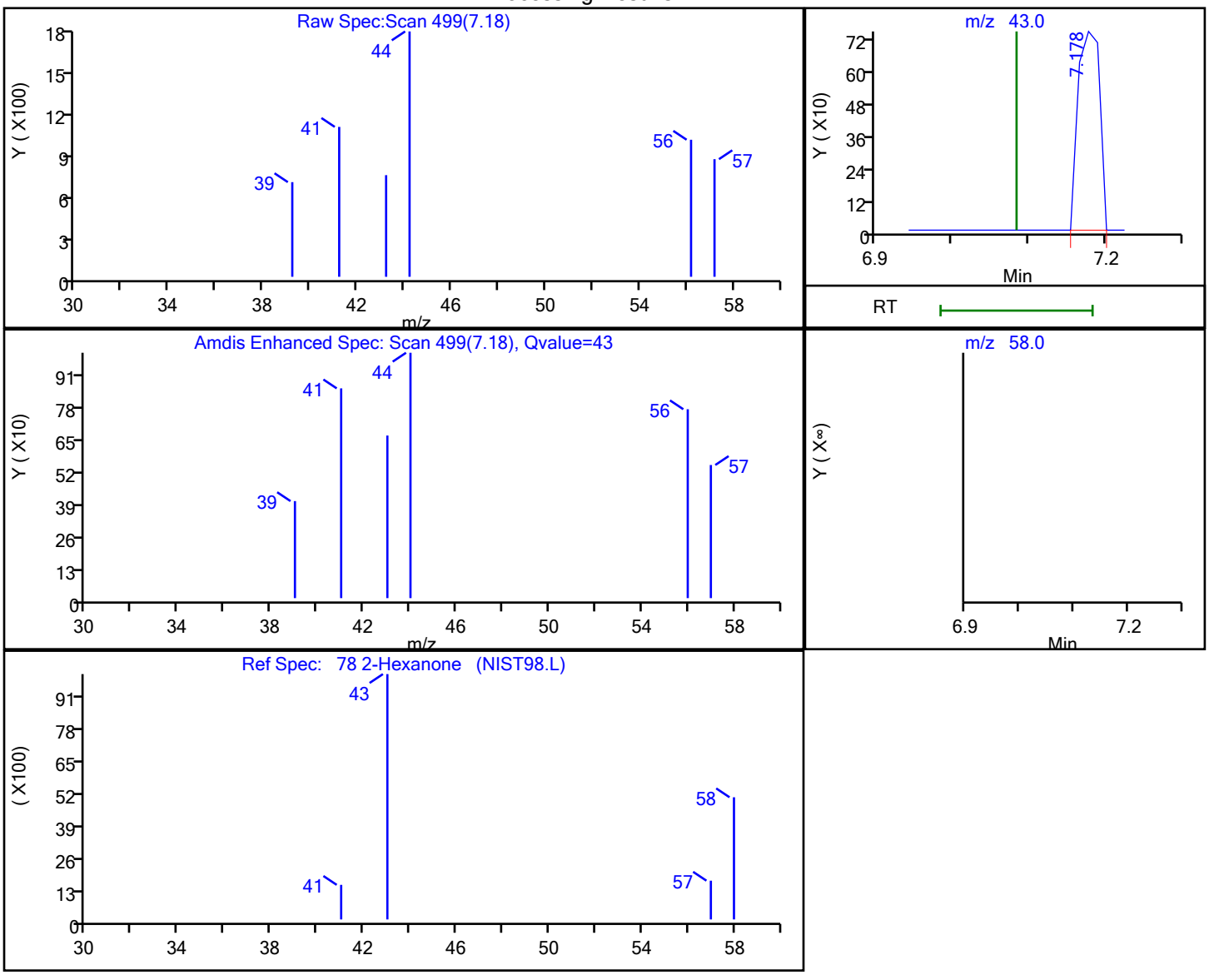
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287652.D				
Injection Date:	26-Aug-2021 23:52:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-B-32	Lab Sample ID:	240-154716-32		
Client ID:	MSA-SW48A-081721				
Operator ID:	001904	ALS Bottle#:	16	Worklist Smp#:	17
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	1471	0.123313
7.08	58.00	0	

Reviewer: laveyt, 27-Aug-2021 13:22:02

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

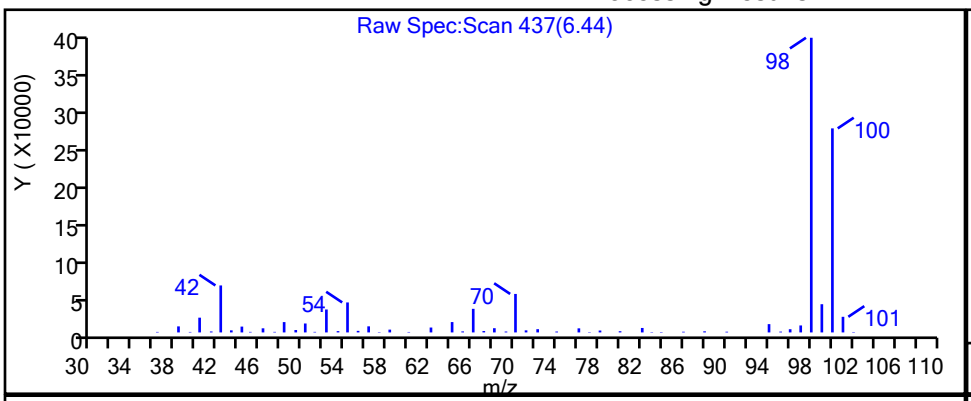
User Disabled Compound Report

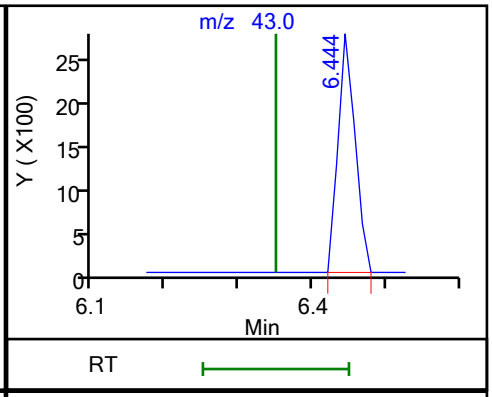
Eurofins TestAmerica, Canton

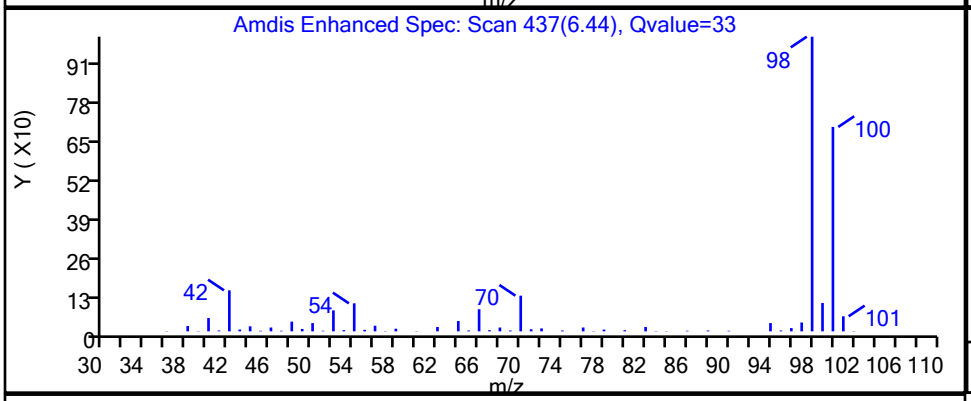
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287652.D				
Injection Date:	26-Aug-2021 23:52:30	Instrument ID:	A3UX12		
Lims ID:	240-154716-B-32	Lab Sample ID:	240-154716-32		
Client ID:	MSA-SW48A-081721				
Operator ID:	001904	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

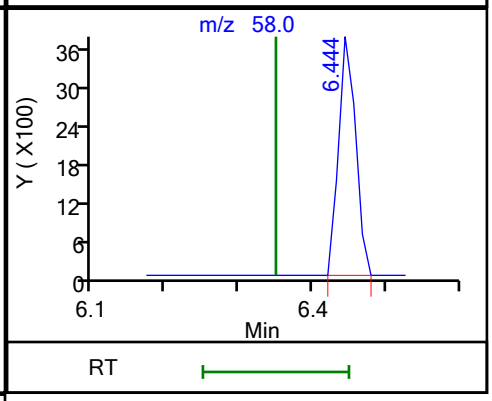
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

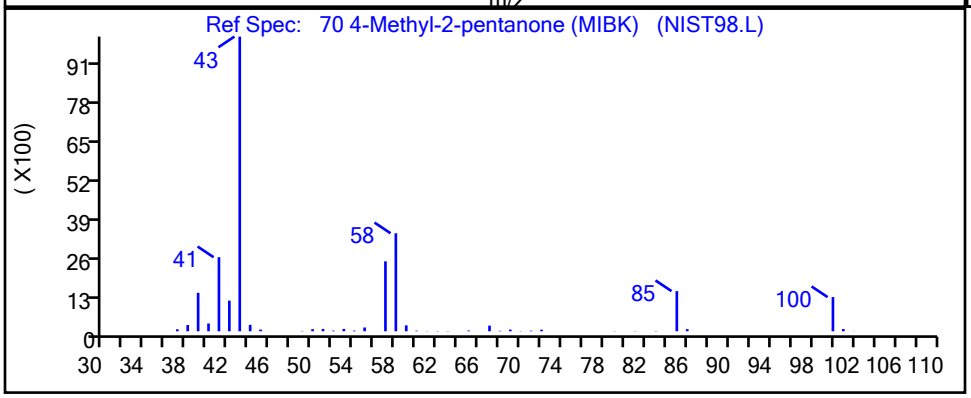
Processing Results











RT	Mass	Response	Amount
6.44	43.00	4521	0.295462
6.44	58.00	6085	

Reviewer: laveyt, 27-Aug-2021 13:22:00

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-081721 Lab Sample ID: 240-154716-33

Matrix: Water Lab File ID: U1287653.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 00:14

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U *+	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-081721 Lab Sample ID: 240-154716-33

Matrix: Water Lab File ID: U1287653.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 00:14

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U *+	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-081721 Lab Sample ID: 240-154716-33

Matrix: Water Lab File ID: U1287653.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 00:14

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		56-136
1868-53-7	Dibromofluoromethane (Surr)	95		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		62-137
2037-26-5	Toluene-d8 (Surr)	88		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-081721 Lab Sample ID: 240-154716-33

Matrix: Water Lab File ID: U1287653.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 00:14

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-081721 Lab Sample ID: 240-154716-33

Matrix: Water Lab File ID: U1287653.D

Analysis Method: 8260C Date Collected: 08/17/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 00:14

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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\20210826-112596.b\U1287653.D
Lims ID: 240-154716-B-33
Client ID: MSA-SW49A-081721
Sample Type: Client
Inject. Date: 27-Aug-2021 00:14:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-018
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2021 13:22:11 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: laveyt Date: 27-Aug-2021 13:22:34

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	98	760463	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	88	527553	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	276644	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	92	182136	19.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	248857	21.8	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	684343	17.5	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	255994	18.5	
9 Dichlorodifluoromethane	85		1.391				ND	
10 Chloromethane	50		1.628				ND	
12 Vinyl chloride	62		1.675				ND	
14 Bromomethane	94		1.924				ND	
15 Chloroethane	64		1.983				ND	
17 Trichlorofluoromethane	101		2.243				ND	
21 1,1-Dichloroethene	61		2.622				ND	
22 112TCTFE	101		2.658				ND	
23 Acetone	43		2.681				ND	
25 Carbon disulfide	76		2.835				ND	
29 Methylene Chloride	49		3.048				ND	
30 2-Methyl-2-propanol	59		3.155				ND	
33 Methyl tert-butyl ether	73		3.285				ND	
32 trans-1,2-Dichloroethene	61		3.285				ND	
35 1,1-Dichloroethane	63		3.640				ND	
36 Vinyl acetate	43		3.687				ND	
37 Isopropyl ether	87		3.699				ND	
39 Tert-butyl ethyl ether	59		4.007				ND	
40 2,2-Dichloropropane	77		4.125				ND	
41 cis-1,2-Dichloroethene	96		4.125				ND	
42 2-Butanone (MEK)	72		4.137				ND	
46 Chlorobromomethane	49		4.326				ND	
48 Chloroform	83		4.397				ND	
49 1,1,1-Trichloroethane	97		4.551				ND	
51 1,1-Dichloropropene	75		4.681				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		4.681				ND	
54 Benzene	78		4.858				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		5.592				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		6.349				ND	
71 Toluene	91		6.503				ND	
72 trans-1,3-Dichloropropene	75		6.704				ND	
76 Tetrachloroethene	166		6.988				ND	
77 1,3-Dichloropropane	76		7.024				ND	
78 2-Hexanone	43		7.083				ND	7
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		7.982				ND	
87 o-Xylene	106		8.361				ND	
88 Styrene	104		8.373				ND	
89 Bromoform	173		8.550				ND	
90 Isopropylbenzene	105		8.704				ND	
93 1,1,2,2-Tetrachloroethane	83		9.000				ND	
92 Bromobenzene	156		9.000				ND	
94 1,2,3-Trichloropropane	110		9.047				ND	
96 N-Propylbenzene	120		9.107				ND	
97 2-Chlorotoluene	126		9.189				ND	
99 4-Chlorotoluene	126		9.296				ND	
102 tert-Butylbenzene	119		9.592				ND	
104 1,2,4-Trimethylbenzene	105		9.639				ND	
105 sec-Butylbenzene	105		9.805				ND	
106 1,3-Dichlorobenzene	146		9.923				ND	
107 4-Isopropyltoluene	119		9.958				ND	
108 1,4-Dichlorobenzene	146		10.006				ND	
109 1,2,3-Trimethylbenzene	105		10.065				ND	
111 n-Butylbenzene	91		10.361				ND	
112 1,2-Dichlorobenzene	146		10.373				ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	
115 1,2,4-Trichlorobenzene	180		11.970				ND	
116 Hexachlorobutadiene	225		12.148				ND	
117 Naphthalene	128		12.219				ND	
118 1,2,3-Trichlorobenzene	180		12.455				ND	
S 128 Xylenes, Total	106		16.020				ND	
T 129 Chlorodifluoromethane TIC	51		1.250				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

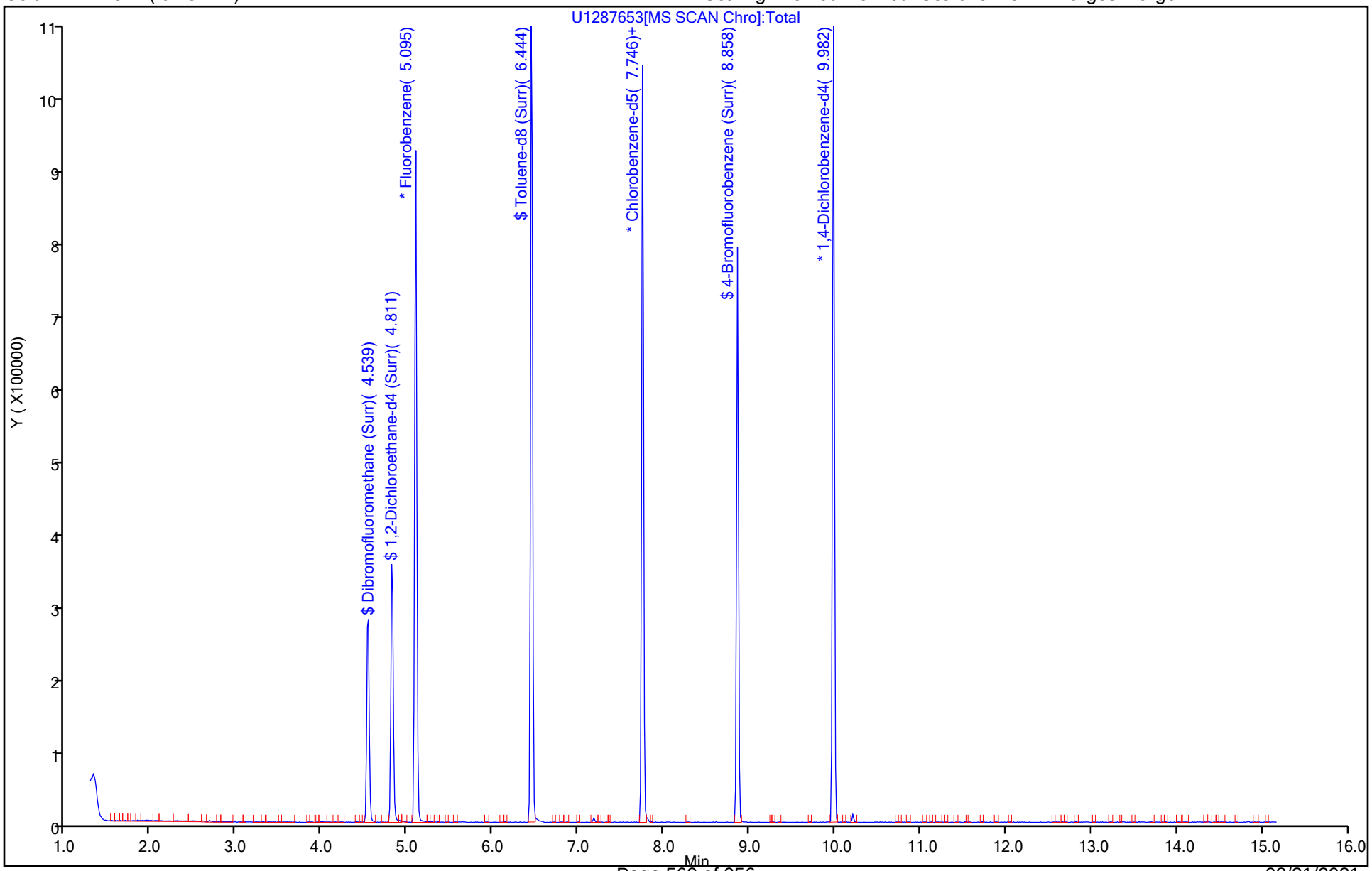
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 27-Aug-2021 13:22:34 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287653.D				
Injection Date:	27-Aug-2021 00:14:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154716-B-33	Lab Sample ID:	240-154716-33	Worklist Smp#:	18
Client ID:	MSA-SW49A-081721				
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
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287653.D				
Lims ID:	240-154716-B-33				
Client ID:	MSA-SW49A-081721				
Sample Type:	Client				
Inject. Date:	27-Aug-2021 00:14:30	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112596-018				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	27-Aug-2021 13:22:11	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1642				

First Level Reviewer: laveyt Date: 27-Aug-2021 13:22:34

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.0	95.10
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.8	109.15
$ 6 Toluene-d8 (Surr)	20.0	17.5	87.53
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.5	92.35

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-497502/10	U1287160.D
Level 2	STD8260 240-497502/11	U1287161.D
Level 3	STD8260 240-497502/12	U1287162.D
Level 4	STD8260 240-497502/13	U1287163.D
Level 5	ICIS 240-497502/14	U1287164.D
Level 6	STD8260 240-497502/15	U1287165.D
Level 7	STD8260 240-497502/16	U1287166.D
Level 8	STD8260 240-497502/17	U1287167.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.4824	0.4286 0.3976	0.4935 0.4268	0.4888	0.5069	Ave		0.4607			0.1000	9.1		20.0			
Chloromethane	+++++ 0.7531	0.7995 0.6778	0.8863 0.6943	0.8287	0.8533	Ave		0.7847			0.1000	10.1		20.0			
Butadiene	0.4372 0.5358	0.5351 0.4625	0.6086 0.4765	0.5409	0.5944	Ave		0.5239				11.7		20.0			
Vinyl chloride	0.4505 0.5646	0.5018 0.4895	0.6181 0.5006	0.5627	0.5984	Ave		0.5358			0.1000	10.9		20.0			
Bromomethane	0.3304 0.3939	0.3157 0.3957	0.3910 0.4266	0.3724	0.4025	Ave		0.3785			0.0500	9.9		20.0			
Chloroethane	0.3589 0.4407	0.3699 0.4438	0.4308 0.4856	0.4116	0.4464	Ave		0.4234			0.0500	9.9		20.0			
Dichlorofluoromethane	0.7969 0.8661	0.7865 0.8207	0.9114 0.8853	0.8579	0.9064	Ave		0.8539				5.6		20.0			
Trichlorofluoromethane	0.5779 0.7082	0.5906 0.6395	0.7023 0.7129	0.6802	0.7492	Ave		0.6701			0.1000	9.2		20.0			
Ethyl ether	0.3321 0.3377	0.3509 0.3153	0.3336 0.3040	0.3419	0.3364	Ave		0.3315				4.5		20.0			
Acrolein	+++++ 0.0088	0.0069 0.0091	0.0065 0.0081	0.0082	0.0083	Ave		0.0080				11.9		20.0			
1,1-Dichloroethene	0.5102 0.5732	0.5228 0.5350	0.5928 0.5658	0.5881	0.6146	Ave		0.5628			0.1000	6.5		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.2557 0.3274	0.3046 0.2900	0.3300 0.3108	0.3241	0.3450	Ave		0.3109			0.0500	9.0		20.0			
Acetone	+++++ 0.0830	0.1708 0.0824	0.1038 0.0804	0.1054	0.0981	Lin1	0.1876	0.0819			0.0100	13.5			0.9950		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	0.4129 0.4281	0.4261 0.4000	0.4713 0.4031	0.4521	0.4601	Ave		0.4317				6.2		20.0			
Carbon disulfide	1.0172 0.9500	0.8826 0.8803	1.0184 0.8801	1.0321	1.0562	Ave		0.9646			0.1000	7.8		20.0			
3-Chloro-1-propene	0.6423 0.5585	0.6081 0.5148	0.6024 0.4875	0.6027	0.5914	Ave		0.5760				9.0		20.0			
Methyl acetate	0.3182 0.2189	0.3006 0.2251	0.2463 0.2028	0.2473	0.2358	Ave		0.2494			0.1000	16.1		20.0			
Methylene Chloride	+++++ 0.4631	0.6107 0.4298	0.5471 0.4183	0.5001	0.4880	Ave		0.4939			0.1000	13.7		20.0			
tert-Butyl alcohol	+++++ 0.0210	0.0438 0.0229	0.0277 0.0213	0.0298	0.0267	Lin1	0.2456	0.0220				17.0			0.9910		0.9900
Acrylonitrile	0.1157 0.1076	0.1281 0.1054	0.1047 0.0985	0.1166	0.1058	Ave		0.1103				8.4		20.0			
trans-1,2-Dichloroethene	0.4853 0.5086	0.4887 0.4699	0.5313 0.4582	0.5378	0.5433	Ave		0.5029			0.1000	6.4		20.0			
Methyl tert-butyl ether	0.9903 0.9517	1.0236 0.8902	0.9574 0.8839	1.0100	0.9696	Ave		0.9596			0.1000	5.3		20.0			
Hexane	0.4264 0.4960	0.4587 0.4578	0.5051 0.4796	0.4795	0.5248	Ave		0.4785				6.5		20.0			
1,1-Dichloroethane	0.5769 0.6130	0.6510 0.5698	0.6360 0.5519	0.6422	0.6574	Ave		0.6123			0.2000	6.7		20.0			
Vinyl acetate	0.6020 0.5484	0.6699 0.5706	0.5977 0.5553	0.5842	0.5754	Ave		0.5879				6.5		20.0			
2,2-Dichloropropane	0.3940 0.3760	0.3515 0.3366	0.3936 0.3097	0.4137	0.3995	Ave		0.3718				9.6		20.0			
cis-1,2-Dichloroethene	0.3762 0.3248	0.3656 0.3066	0.3260 0.3016	0.3477	0.3509	Ave		0.3374			0.1000	8.0		20.0			
2-Butanone	+++++ 0.0363	0.0319 0.0422	0.0353 0.0406	0.0408	0.0383	Ave		0.0379			0.0100	9.6		20.0			
Bromochloromethane	0.3274 0.2678	0.3214 0.2510	0.2793 0.2193	0.2921	0.2772	Ave		0.2794				12.7		20.0			
Tetrahydrofuran	0.1087 0.1060	0.1387 0.1191	0.1296 0.1120	0.1266	0.1168	Ave		0.1197				9.4		20.0			
Chloroform	0.5649 0.5286	0.5456 0.5009	0.5486 0.4755	0.5616	0.5497	Ave		0.5344			0.2000	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
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	0.4274 0.4874	0.4350 0.4581	0.4883 0.4660	0.5083	0.5214	Ave		0.4740			0.1000	7.1		20.0			
Cyclohexane	0.5322 0.5726	0.5405 0.5084	0.6278 0.5270	0.5848	0.6351	Ave		0.5660			0.1000	8.3		20.0			
1,1-Dichloropropene	0.4036 0.4574	0.4346 0.4399	0.4751 0.4464	0.4530	0.4706	Ave		0.4476				5.0		20.0			
Carbon tetrachloride	0.2983 0.4078	0.3365 0.3813	0.4102 0.3894	0.4045	0.4251	Ave		0.3816			0.1000	11.3		20.0			
Isobutyl alcohol	0.0112 0.0119	0.0177 0.0132	0.0114 0.0143	0.0167	0.0145	Ave		0.0139				17.4		20.0			
Benzene	1.1907 1.1751	1.2035 1.1568	1.1953 1.1489	1.2204	1.1931	Ave		1.1855			0.5000	2.0		20.0			
1,2-Dichloroethane	0.3920 0.3864	0.4232 0.3858	0.3825 0.3664	0.3993	0.3979	Ave		0.3917			0.1000	4.2		20.0			
n-Heptane	+++++ 0.1900	+++++ 0.1804	0.4808 0.1822	0.2481	0.2132	Lin1	0.7785	0.1707				1.6			1.0000		0.9900
Trichloroethene	0.2784 0.2773	0.2652 0.2770	0.2702 0.2808	0.2710	0.2736	Ave		0.2742			0.1500	1.9		20.0			
Methylcyclohexane	0.4938 0.5692	0.4934 0.5104	0.5999 0.5288	0.5660	0.6158	Ave		0.5472			0.1000	8.7		20.0			
1,2-Dichloropropane	0.2510 0.2646	0.2637 0.2713	0.2514 0.2666	0.2650	0.2598	Ave		0.2617			0.1000	2.8		20.0			
Dibromomethane	0.1433 0.1458	0.1551 0.1477	0.1317 0.1441	0.1363	0.1437	Ave		0.1435				4.9		20.0			
1,4-Dioxane	+++++ 0.0027	0.0006 0.0028	0.0014 0.0030	0.0035	0.0027	Lin1	-0.047	0.0029				16.1			0.9940		0.9900
Bromodichloromethane	0.2846 0.3262	0.3041 0.3339	0.3098 0.3360	0.3313	0.3199	Ave		0.3182			0.1500	5.6		20.0			
2-Chloroethyl vinyl ether	0.1309 0.1524	0.1642 0.1839	0.1544 0.1807	0.1591	0.1543	Ave		0.1600				10.5		20.0			
cis-1,3-Dichloropropene	0.3376 0.3779	0.3719 0.4170	0.3833 0.4199	0.3797	0.3708	Ave		0.3823			0.1500	6.9		20.0			
4-Methyl-2-pentanone	0.3826 0.3820	0.4121 0.4098	0.4172 0.4017	0.4074	0.4025	Ave		0.4019			0.0500	3.3		20.0			
Toluene	1.7133 1.7240	1.6667 1.6548	1.8028 1.6813	1.7642	1.7437	Ave		1.7188			0.4000	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.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	0.4454 0.5404	0.5098 0.5944	0.5503 0.5823	0.5486	0.5341	Ave		0.5382			0.1000	8.5		20.0			
Ethyl methacrylate	0.4699 0.5458	0.5555 0.5849	0.5733 0.5679	0.5823	0.5566	Ave		0.5545				6.6		20.0			
1,1,2-Trichloroethane	0.2532 0.2984	0.3181 0.3073	0.3216 0.3006	0.2990	0.3029	Ave		0.3002			0.1000	7.0		20.0			
Tetrachloroethene	0.3026 0.3928	0.3594 0.3817	0.4027 0.3904	0.3985	0.4008	Ave		0.3786			0.1500	8.9		20.0			
1,3-Dichloropropane	0.5158 0.5779	0.6125 0.6108	0.6318 0.5932	0.6148	0.5952	Ave		0.5940				6.0		20.0			
2-Hexanone	0.4350 0.3998	0.4989 0.4701	0.4779 0.4497	0.4841	0.4413	Ave		0.4571			0.0500	7.0		20.0			
Dibromochloromethane	0.2449 0.3112	0.2592 0.3305	0.2921 0.3239	0.3057	0.2988	Ave		0.2958				10.1		20.0			
1,2-Dibromoethane	0.3223 0.3114	0.3220 0.3319	0.3560 0.3203	0.3297	0.3210	Ave		0.3268				4.1		20.0			
Chlorobenzene	1.0826 0.9997	0.9889 0.9995	1.1066 1.0121	1.0565	1.0144	Ave		1.0325			0.3000	4.2		20.0			
1,1,1,2-Tetrachloroethane	0.3733 0.3992	0.3832 0.3770	0.3987 0.3774	0.4100	0.4044	Ave		0.3904				3.6		20.0			
Ethylbenzene	0.5069 0.6144	0.5697 0.5944	0.6389 0.5999	0.6481	0.6341	Ave		0.6008				7.7		20.0			
m-Xylene & p-Xylene	0.7289 0.7507	0.7471 0.7406	0.7690 0.7496	0.8054	0.7795	Ave		0.7589				3.2		20.0			
o-Xylene	0.7007 0.7801	0.7496 0.7521	0.8079 0.7588	0.8253	0.8022	Ave		0.7721				5.2		20.0			
Styrene	1.0513 1.1599	1.0285 1.2119	1.1615 1.2261	1.1905	1.1782	Ave		1.1510			0.3000	6.3		20.0			
Bromoform	0.1658 0.2177	0.1764 0.2334	0.1971 0.2419	0.2109	0.2161	Ave		0.2074			0.1000	12.7		20.0			
Isopropylbenzene	1.8443 2.1128	1.9653 1.9991	2.2119 2.0212	2.1902	2.2093	Ave		2.0693			0.1000	6.5		20.0			
1,1,2,2-Tetrachloroethane	0.9704 0.9537	1.0939 0.8822	1.0418 0.8857	1.0461	0.9526	Ave		0.9783			0.3000	7.8		20.0			
Bromobenzene	0.7544 0.7165	0.7866 0.6812	0.8061 0.6955	0.7793	0.7062	Ave		0.7407				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.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichloropropane	0.3315 0.3058	0.3416 0.2920	0.3751 0.2842	0.3543	0.3082	Ave		0.3241				9.8		20.0			
trans-1,4-Dichloro-2-butene	0.3176 0.3604	0.3916 0.3510	0.3971 0.3534	0.4049	0.3558	Ave		0.3665				8.0		20.0			
n-Propylbenzene	0.8344 0.9729	0.9385 0.8582	1.0365 0.8762	1.0229	0.9623	Ave		0.9377				8.0		20.0			
2-Chlorotoluene	0.6775 0.7984	0.9134 0.7329	0.9024 0.7436	0.8575	0.7932	Ave		0.8024				10.5		20.0			
1,3,5-Trimethylbenzene	2.4240 2.9449	2.6573 2.6503	2.9445 2.7093	3.0414	2.8880	Ave		2.7824				7.4		20.0			
4-Chlorotoluene	0.6744 0.7845	0.8032 0.7483	0.8967 0.7628	0.8365	0.7781	Ave		0.7856				8.3		20.0			
tert-Butylbenzene	1.7849 2.4058	2.0748 2.2422	2.3340 2.3025	2.3600	2.3130	Ave		2.2272				9.2		20.0			
1,2,4-Trimethylbenzene	2.4631 2.9401	2.8577 2.6652	3.0359 2.7146	3.0662	2.9001	Ave		2.8304				7.2		20.0			
sec-Butylbenzene	2.9629 3.5850	3.1709 3.1542	3.6999 3.2582	3.5685	3.5679	Ave		3.3709				7.9		20.0			
1,3-Dichlorobenzene	1.3840 1.4484	1.6639 1.3865	1.5716 1.3896	1.5486	1.4270	Ave		1.4775			0.6000	7.1		20.0			
p-Isopropyltoluene	2.4638 3.0340	2.7327 2.7357	3.1078 2.8305	3.0753	3.0174	Ave		2.8746				7.8		20.0			
1,4-Dichlorobenzene	1.6868 1.4689	1.7061 1.4261	1.6598 1.4278	1.5671	1.4503	Ave		1.5491			0.5000	7.8		20.0			
n-Butylbenzene	2.2921 2.6128	2.4076 2.2793	2.7672 2.3718	2.6607	2.6250	Ave		2.5021				7.4		20.0			
1,2-Dichlorobenzene	1.3951 1.4322	1.5101 1.3209	1.5889 1.3460	1.5408	1.4296	Ave		1.4455			0.4000	6.5		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.2208	0.1816 0.1973	0.2073 0.2047	0.2186	0.2066	Ave		0.2053			0.0500	6.5		20.0			
1,2,4-Trichlorobenzene	0.7426 0.8609	0.9196 0.6978	0.8750 0.7150	0.8768	0.8225	Ave		0.8138			0.2000	10.3		20.0			
Hexachlorobutadiene	+++++ 0.3183	0.2533 0.2214	0.3027 0.2633	0.2975	0.3112	Ave		0.2811				12.7		20.0			
Naphthalene	2.4052 2.7065	2.8312 2.1546	2.8045 2.3113	2.8041	2.6255	Ave		2.5804				10.0		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.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.6654 0.7557	0.7939 0.5982	0.7800 0.6460	0.7772	0.7355	Ave		0.7190				10.1		20.0			
Dibromofluoromethane (Surr)	0.2802 0.2510	0.2742 0.2387	0.2432 0.2229	0.2546	0.2500	Ave		0.2519				7.3		20.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2870	0.3862 0.2855	0.2927 0.2566	0.3002	0.2906	Ave		0.2998				13.5		20.0			
Toluene-d8 (Surr)	1.8418 1.4153	1.5085 1.4072	1.4641 1.3776	1.4416	1.4001	Ave		1.4820				10.2		20.0			
4-Bromofluorobenzene (Surr)	+++++ 0.4866	0.6266 0.5024	0.5475 0.5043	0.5113	0.4996	Ave		0.5255				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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-497502/10	U1287160.D
Level 2	STD8260 240-497502/11	U1287161.D
Level 3	STD8260 240-497502/12	U1287162.D
Level 4	STD8260 240-497502/13	U1287163.D
Level 5	ICIS 240-497502/14	U1287164.D
Level 6	STD8260 240-497502/15	U1287165.D
Level 7	STD8260 240-497502/16	U1287166.D
Level 8	STD8260 240-497502/17	U1287167.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++	17857	49841	198167	413692	+++++	1.00	2.50	10.0	20.0
			866883	1198418	1726140			40.0	60.0	80.0		
Chloromethane	FB	Ave	+++++	33310	89518	335951	696375	+++++	1.00	2.50	10.0	20.0
			1353297	2042943	2807804			40.0	60.0	80.0		
Butadiene	FB	Ave	8995	22295	61473	219291	485103	0.500	1.00	2.50	10.0	20.0
			962879	1393982	1926994			40.0	60.0	80.0		
Vinyl chloride	FB	Ave	9269	20906	62430	228108	488317	0.500	1.00	2.50	10.0	20.0
			1014594	1475537	2024410			40.0	60.0	80.0		
Bromomethane	FB	Ave	6798	13154	39492	150977	328493	0.500	1.00	2.50	10.0	20.0
			707836	1192562	1725096			40.0	60.0	80.0		
Chloroethane	FB	Ave	7384	15411	43510	166882	364268	0.500	1.00	2.50	10.0	20.0
			791953	1337613	1963780			40.0	60.0	80.0		
Dichlorofluoromethane	FB	Ave	16398	32769	92054	347808	739725	0.500	1.00	2.50	10.0	20.0
			1556463	2473641	3580110			40.0	60.0	80.0		
Trichlorofluoromethane	FB	Ave	11891	24608	70936	275755	611422	0.500	1.00	2.50	10.0	20.0
			1272620	1927575	2882812			40.0	60.0	80.0		
Ethyl ether	FB	Ave	6833	14619	33690	138592	274519	0.500	1.00	2.50	10.0	20.0
			606830	950357	1229286			40.0	60.0	80.0		
Acrolein	FB	Ave	+++++	1443	3285	16720	34041	+++++	5.00	12.5	50.0	100
			79369	136948	164458			200	300	400		
1,1-Dichloroethene	FB	Ave	10498	21781	59874	238439	501531	0.500	1.00	2.50	10.0	20.0
			1030021	1612641	2288221			40.0	60.0	80.0		
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	5261	12690	33333	131376	281532	0.500	1.00	2.50	10.0	20.0
			588383	874200	1257025			40.0	60.0	80.0		
Acetone	FB	Lin1	+++++	14231	20963	85420	160152	+++++	2.00	5.00	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.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			298182	496760	650557			80.0	120	160		
Iodomethane	FB	Ave	8496 769309	17755 1205758	47600 1629958	183304	375452	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Carbon disulfide	FB	Ave	20931 1707072	36774 2653249	102859 3558964	418409	861920	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
3-Chloro-1-propene	FB	Ave	13217 1003718	25338 1551571	60843 1971372	244352	482663	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Methyl acetate	FB	Ave	13095 786840	25049 1356831	49748 1640211	200538	384855	1.00 80.0	2.00 120	5.00 160	20.0	40.0
Methylene Chloride	FB	Ave	+++++ 832225	25444 1295514	55260 1691690	202740	398223	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0
tert-Butyl alcohol	FB	Lin1	+++++ 376737	18239 690126	27948 860115	120691	218088	+++++ 400	10.0 600	25.0 800	100	200
Acrylonitrile	FB	Ave	23805 1932962	53357 3176359	105759 3984200	472767	863390	5.00 400	10.0 600	25.0 800	100	200
trans-1,2-Dichloroethene	FB	Ave	9986 913971	20364 1416398	53663 1852907	218046	443372	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Methyl tert-butyl ether	FB	Ave	20376 1710298	42651 2683201	96703 3574318	409470	791300	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Hexane	FB	Ave	8774 891313	19112 1379959	51018 1939544	194382	428257	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,1-Dichloroethane	FB	Ave	11870 1101556	27123 1717521	64243 2231830	260342	536483	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Vinyl acetate	FB	Ave	12387 985435	27911 1719989	60373 2245564	236847	469575	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
2,2-Dichloropropane	FB	Ave	8107 675742	14644 1014459	39751 1252583	167707	326021	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
cis-1,2-Dichloroethene	FB	Ave	7741 583682	15233 924203	32923 1219609	140961	286398	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
2-Butanone	FB	Ave	+++++ 130392	2661 254623	7121 328348	33060	62505	+++++ 80.0	2.00 120	5.00 160	20.0	40.0
Bromochloromethane	FB	Ave	6736 481176	13393 756594	28208 886992	118418	226224	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Tetrahydrofuran	FB	Ave	4472 380882	11555 717859	26182 905969	102618	190626	1.00 80.0	2.00 120	5.00 160	20.0	40.0
Chloroform	FB	Ave	11624	22731	55413	227664	448614	0.500	1.00	2.50	10.0	20.0

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			949869	1509946	1922967			40.0	60.0	80.0		
1,1,1-Trichloroethane	FB	Ave	8794 875792	18125 1380808	49325 1884659	206078	425539	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Cyclohexane	FB	Ave	10950 1028972	22520 1532406	63408 2131223	237070	518329	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,1-Dichloropropene	FB	Ave	8305 822027	18109 1325823	47986 1805326	183665	384040	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Carbon tetrachloride	FB	Ave	6137 732736	14022 1149233	41434 1574566	164003	346930	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Isobutyl alcohol	FB	Ave	5775 534361	18411 995777	28758 1446940	169475	295049	12.5 1000	25.0 1500	62.5 2000	250	500
Benzene	FB	Ave	24500 2111603	50147 3486850	120725 4646198	494776	973639	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2-Dichloroethane	FB	Ave	8066 694275	17631 1162817	38636 1481846	161882	324742	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
n-Heptane	FB	Lin1	+++++ 341386	+++++ 543827	48558 736966	100588	173999	+++++ 40.0	+++++ 60.0	2.50 80.0	10.0	20.0
Trichloroethene	FB	Ave	5729 498372	11049 834980	27292 1135512	109870	223284	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Methylcyclohexane	FB	Ave	10160 1022843	20559 1538583	60591 2138507	229479	502506	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2-Dichloropropane	FB	Ave	5165 475413	10987 817823	25393 1078010	107427	211979	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Dibromomethane	FB	Ave	2949 261946	6464 445232	13302 582660	55250	117288	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,4-Dioxane	FB	Lin1	+++++ 97072	530 168941	2758 242067	28463	44455	+++++ 800	20.0 1200	50.0 1600	200	400
Bromodichloromethane	FB	Ave	5856 586234	12670 1006439	31292 1358720	134303	261036	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	5387 547864	13679 1108403	31180 1461563	128979	251826	1.00 80.0	2.00 120	5.00 160	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	6946 679115	15496 1256842	38713 1697875	153948	302606	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
4-Methyl-2-pentanone	FB	Ave	15746 1372889	34338 2470689	84273 3248589	330335	656885	1.00 80.0	2.00 120	5.00 160	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.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Toluene	CBNZ d5	Ave	21951	41037	107223	424611	877458	0.500	1.00	2.50	10.0	20.0
			1902578	3233192	4514868			40.0	60.0	80.0		
trans-1,3-Dichloropropene	CBNZ d5	Ave	5706	12553	32729	132038	268748	0.500	1.00	2.50	10.0	20.0
			596337	1161395	1563680			40.0	60.0	80.0		
Ethyl methacrylate	CBNZ d5	Ave	6021	13677	34098	140152	280071	0.500	1.00	2.50	10.0	20.0
			602389	1142898	1524928			40.0	60.0	80.0		
1,1,2-Trichloroethane	CBNZ d5	Ave	3244	7833	19127	71970	152435	0.500	1.00	2.50	10.0	20.0
			329275	600498	807337			40.0	60.0	80.0		
Tetrachloroethene	CBNZ d5	Ave	3877	8849	23950	95922	201694	0.500	1.00	2.50	10.0	20.0
			433456	745729	1048422			40.0	60.0	80.0		
1,3-Dichloropropane	CBNZ d5	Ave	6609	15080	37575	147983	299495	0.500	1.00	2.50	10.0	20.0
			637718	1193519	1592923			40.0	60.0	80.0		
2-Hexanone	CBNZ d5	Ave	11146	24570	56849	233051	444183	1.00	2.00	5.00	20.0	40.0
			882369	1837076	2414962			80.0	120	160		
Dibromochloromethane	CBNZ d5	Ave	3138	6381	17371	73579	150357	0.500	1.00	2.50	10.0	20.0
			343485	645668	869771			40.0	60.0	80.0		
1,2-Dibromoethane	CBNZ d5	Ave	4129	7929	21173	79354	161550	0.500	1.00	2.50	10.0	20.0
			343705	648579	860054			40.0	60.0	80.0		
Chlorobenzene	CBNZ d5	Ave	13870	24348	65817	254285	510479	0.500	1.00	2.50	10.0	20.0
			1103260	1952881	2717778			40.0	60.0	80.0		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	4783	9434	23710	98676	203492	0.500	1.00	2.50	10.0	20.0
			440602	736567	1013509			40.0	60.0	80.0		
Ethylbenzene	CBNZ d5	Ave	6494	14027	38001	155998	319079	0.500	1.00	2.50	10.0	20.0
			678065	1161420	1611040			40.0	60.0	80.0		

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
m-Xylene & p-Xylene	CBNZ d5	Ave	9339	18395	45735	193859	392277	0.500	1.00	2.50	10.0	20.0
			828454	1447088	2012889			40.0	60.0	80.0		
o-Xylene	CBNZ d5	Ave	8978	18456	48051	198651	403674	0.500	1.00	2.50	10.0	20.0
			860909	1469511	2037618			40.0	60.0	80.0		
Styrene	CBNZ d5	Ave	13470	25324	69079	286538	592860	0.500	1.00	2.50	10.0	20.0
			1280065	2367899	3292606			40.0	60.0	80.0		
Bromoform	CBNZ d5	Ave	2124	4344	11721	50751	108746	0.500	1.00	2.50	10.0	20.0
			240298	455988	649720			40.0	60.0	80.0		
Isopropylbenzene	CBNZ d5	Ave	23630	48391	131551	527144	1111750	0.500	1.00	2.50	10.0	20.0
			2331669	3905953	5427602			40.0	60.0	80.0		
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	6990	14539	33858	140189	283737	0.500	1.00	2.50	10.0	20.0
			588332	1042624	1445975			40.0	60.0	80.0		
Bromobenzene	DCBd 4	Ave	5434	10455	26198	104439	210344	0.500	1.00	2.50	10.0	20.0
			442017	805080	1135399			40.0	60.0	80.0		
1,2,3-Trichloropropane	DCBd 4	Ave	2388	4540	12191	47474	91792	0.500	1.00	2.50	10.0	20.0
			188639	345085	463903			40.0	60.0	80.0		
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2288	5205	12905	54262	105987	0.500	1.00	2.50	10.0	20.0
			222356	414864	576940			40.0	60.0	80.0		
n-Propylbenzene	DCBd 4	Ave	6010	12474	33687	137086	286624	0.500	1.00	2.50	10.0	20.0
			600210	1014258	1430399			40.0	60.0	80.0		
2-Chlorotoluene	DCBd 4	Ave	4880	12140	29329	114911	236250	0.500	1.00	2.50	10.0	20.0
			492536	866187	1213898			40.0	60.0	80.0		
1,3,5-Trimethylbenzene	DCBd 4	Ave	17460	35318	95699	407579	860193	0.500	1.00	2.50	10.0	20.0
			1816706	3132089	4423101			40.0	60.0	80.0		

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Chlorotoluene	DCBd 4	Ave	4858	10675	29143	112108	231751	0.500	1.00	2.50	10.0	20.0
			483932	884353	1245363			40.0	60.0	80.0		
tert-Butylbenzene	DCBd 4	Ave	12857	27576	75856	316270	688940	0.500	1.00	2.50	10.0	20.0
			1484118	2649863	3758933			40.0	60.0	80.0		
1,2,4-Trimethylbenzene	DCBd 4	Ave	17742	37982	98669	410905	863789	0.500	1.00	2.50	10.0	20.0
			1813781	3149648	4431758			40.0	60.0	80.0		
sec-Butylbenzene	DCBd 4	Ave	21342	42144	120250	478221	1062714	0.500	1.00	2.50	10.0	20.0
			2211578	3727549	5319194			40.0	60.0	80.0		
1,3-Dichlorobenzene	DCBd 4	Ave	9969	22115	51080	207535	425047	0.500	1.00	2.50	10.0	20.0
			893507	1638575	2268547			40.0	60.0	80.0		
p-Isopropyltoluene	DCBd 4	Ave	17747	36320	101006	412132	898729	0.500	1.00	2.50	10.0	20.0
			1871654	3233056	4620911			40.0	60.0	80.0		
1,4-Dichlorobenzene	DCBd 4	Ave	12150	22675	53944	210010	431969	0.500	1.00	2.50	10.0	20.0
			906160	1685375	2330926			40.0	60.0	80.0		
n-Butylbenzene	DCBd 4	Ave	16510	31999	89936	356572	781873	0.500	1.00	2.50	10.0	20.0
			1611825	2693670	3872041			40.0	60.0	80.0		
1,2-Dichlorobenzene	DCBd 4	Ave	10049	20070	51642	206490	425817	0.500	1.00	2.50	10.0	20.0
			883505	1561055	2197382			40.0	60.0	80.0		
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++	2413	6737	29297	61550	+++++	1.00	2.50	10.0	20.0
			136210	233133	334185			40.0	60.0	80.0		
1,2,4-Trichlorobenzene	DCBd 4	Ave	5349	12222	28440	117496	244991	0.500	1.00	2.50	10.0	20.0
			531099	824599	1167234			40.0	60.0	80.0		
Hexachlorobutadiene	DCBd 4	Ave	+++++	3367	9839	39871	92680	+++++	1.00	2.50	10.0	20.0
			196332	261594	429829			40.0	60.0	80.0		

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Naphthalene	DCBd 4	Ave	17325 1669667	37629 2546277	91150 3773268	375779	781994	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	4793 466168	10551 706951	25350 1054660	104153	219068	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Dibromofluoromethane (Surr)	FB	Ave	5765 451037	11425 719584	24564 901515	103224	204008	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 515721	16093 860680	29564 1037497	121689	237144	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Toluene-d8 (Surr)	CBNZ d5	Ave	23598 1561854	37142 2749425	87076 3699278	346966	704525	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	+++++ 537017	15428 981556	32561 1354196	123068	251397	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0

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.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 11:43 Calibration End Date: 07/31/2021 14:17 Calibration ID: 62057

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-497502/10	U1287160.D
Level 2	STD8260 240-497502/11	U1287161.D
Level 3	STD8260 240-497502/12	U1287162.D
Level 4	STD8260 240-497502/13	U1287163.D
Level 5	ICIS 240-497502/14	U1287164.D
Level 6	STD8260 240-497502/15	U1287165.D
Level 7	STD8260 240-497502/16	U1287166.D
Level 8	STD8260 240-497502/17	U1287167.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Acetone	+++++	-6.0						50				
tert-Butyl alcohol	+++++	-12.5						50				
n-Heptane	+++++	+++++	-0.8						50			
1,4-Dioxane	+++++	2.2						50				

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287160.D
Lims ID: std8260 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 31-Jul-2021 11:43:30 ALS Bottle#: 3 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-010
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:05:50 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 31-Jul-2021 12:20:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	823049	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	512488	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	288124	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	86	5765	0.5000	0.5562	
$ 5 1,2-Dichloroethane-d4 (Surr)	65		4.811				ND	ND	U
$ 6 Toluene-d8 (Surr)	98	6.456	6.444	0.012	95	23598	0.5000	0.6214	
$ 7 4-Bromofluorobenzene (Surr)	95		8.858				ND	ND	U
9 Dichlorodifluoromethane	85		1.403				ND	ND	U
10 Chloromethane	50		1.628				ND	ND	U
11 Butadiene	54	1.640	1.640	0.000	97	8995	0.5000	0.4172	
12 Vinyl chloride	62	1.687	1.676	0.011	93	9269	0.5000	0.4204	
14 Bromomethane	94	1.948	1.924	0.024	78	6798	0.5000	0.4364	
15 Chloroethane	64	1.983	1.983	0.000	96	7384	0.5000	0.4237	
16 Dichlorofluoromethane	67	2.196	2.173	0.023	95	16398	0.5000	0.4666	
17 Trichlorofluoromethane	101	2.255	2.244	0.011	87	11891	0.5000	0.4312	
19 Ethyl ether	59	2.445	2.433	0.012	92	6833	0.5000	0.5009	
20 Acrolein	56		2.551				ND	ND	
21 1,1-Dichloroethene	61	2.646	2.634	0.012	95	10498	0.5000	0.4533	
22 112TCTFE	101	2.681	2.658	0.023	72	5261	0.5000	0.4111	
23 Acetone	43		2.681				ND	ND	
24 Iodomethane	142	2.800	2.788	0.012	94	8496	0.5000	0.4782	
25 Carbon disulfide	76	2.859	2.835	0.024	98	20931	0.5000	0.5273	
27 3-Chloro-1-propene	41	2.954	2.942	0.012	86	13217	0.5000	0.5576	
28 Methyl acetate	43	2.977	2.965	0.012	99	13095	1.00	1.28	
29 Methylene Chloride	49		3.048				ND	ND	U
30 2-Methyl-2-propanol	59		3.167				ND	ND	U
31 Acrylonitrile	53	3.285	3.273	0.012	96	23805	5.00	5.24	
33 Methyl tert-butyl ether	73	3.297	3.285	0.012	97	20376	0.5000	0.5160	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	67	9986	0.5000	0.4825	
34 Hexane	57	3.522	3.510	0.012	91	8774	0.5000	0.4456	
35 1,1-Dichloroethane	63	3.652	3.640	0.012	94	11870	0.5000	0.4711	

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	96	12387	0.5000	0.5120	
40 2,2-Dichloropropane	77	4.137	4.125	0.012	61	8107	0.5000	0.5298	
41 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	81	7741	0.5000	0.5575	
42 2-Butanone (MEK)	72		4.149				ND	ND	
46 Chlorobromomethane	49	4.338	4.326	0.012	89	6736	0.5000	0.5858	
47 Tetrahydrofuran	42	4.373	4.373	0.000	91	4472	1.00	0.9081	
48 Chloroform	83	4.409	4.397	0.012	95	11624	0.5000	0.5285	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	94	8794	0.5000	0.4508	
50 Cyclohexane	84	4.598	4.598	0.000	91	10950	0.5000	0.4701	
51 1,1-Dichloropropene	75	4.693	4.681	0.012	87	8305	0.5000	0.4509	
52 Carbon tetrachloride	117	4.693	4.681	0.012	73	6137	0.5000	0.3908	
53 Isobutyl alcohol	41	4.788	4.788	0.000	89	5775	12.5	10.1	
54 Benzene	78	4.870	4.859	0.011	97	24500	0.5000	0.5022	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	95	8066	0.5000	0.5004	
57 n-Heptane	57		5.072				ND	ND	U
59 Trichloroethene	130	5.403	5.403	0.000	93	5729	0.5000	0.5077	
61 Methylcyclohexane	83	5.569	5.557	0.012	91	10160	0.5000	0.4512	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	89	5165	0.5000	0.4797	
64 Dibromomethane	174	5.699	5.699	0.000	87	2949	0.5000	0.4995	
65 1,4-Dioxane	88		5.711				ND	ND	
66 Dichlorobromomethane	83	5.829	5.829	0.000	93	5856	0.5000	0.4472	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	91	5387	1.00	0.8183	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	87	6946	0.5000	0.4416	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.350	0.000	96	15746	1.00	0.9520	
71 Toluene	91	6.503	6.503	0.000	98	21951	0.5000	0.4984	
72 trans-1,3-Dichloropropene	75	6.705	6.705	0.000	94	5706	0.5000	0.4138	
74 Ethyl methacrylate	69	6.776	6.776	0.000	90	6021	0.5000	0.4237	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	90	3244	0.5000	0.4218	
76 Tetrachloroethene	166	6.989	6.989	0.000	90	3877	0.5000	0.3996	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	92	6609	0.5000	0.4342	
78 2-Hexanone	43	7.083	7.083	0.000	96	11146	1.00	0.9516	
80 Chlorodibromomethane	129	7.225	7.225	0.000	86	3138	0.5000	0.4140	
81 Ethylene Dibromide	107	7.332	7.332	0.000	94	4129	0.5000	0.4930	
83 Chlorobenzene	112	7.781	7.770	0.011	95	13870	0.5000	0.5242	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	82	4783	0.5000	0.4781	
85 Ethylbenzene	106	7.876	7.876	0.000	98	6494	0.5000	0.4218	
86 m-Xylene & p-Xylene	106	7.983	7.983	0.000	97	9339	0.5000	0.4803	
87 o-Xylene	106	8.361	8.361	0.000	95	8978	0.5000	0.4538	
88 Styrene	104	8.373	8.373	0.000	93	13470	0.5000	0.4567	
89 Bromoform	173	8.550	8.550	0.000	86	2124	0.5000	0.3996	
90 Isopropylbenzene	105	8.716	8.704	0.012	96	23630	0.5000	0.4457	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	79	6990	0.5000	0.4960	
92 Bromobenzene	156	9.000	9.000	0.000	96	5434	0.5000	0.5092	
94 1,2,3-Trichloropropane	110	9.047	9.047	0.000	84	2388	0.5000	0.5115	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	69	2288	0.5000	0.4334	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	6010	0.5000	0.4449	
97 2-Chlorotoluene	126	9.189	9.189	0.000	94	4880	0.5000	0.4222	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	95	17460	0.5000	0.4356	
99 4-Chlorotoluene	126	9.296	9.296	0.000	97	4858	0.5000	0.4293	
102 tert-Butylbenzene	119	9.592	9.592	0.000	92	12857	0.5000	0.4007	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	17742	0.5000	0.4351	
105 sec-Butylbenzene	105	9.805	9.805	0.000	94	21342	0.5000	0.4395	

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	9.923	9.923	0.000	94	9969	0.5000	0.4684	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	96	17747	0.5000	0.4285	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	91	12150	0.5000	0.5444	
111 n-Butylbenzene	91	10.361	10.349	0.012	96	16510	0.5000	0.4580	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	94	10049	0.5000	0.4826	
113 1,2-Dibromo-3-Chloropropane	157		11.154				ND	ND	U
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	91	5349	0.5000	0.4563	
116 Hexachlorobutadiene	225		12.136				ND	ND	U
117 Naphthalene	128	12.219	12.219	0.000	96	17325	0.5000	0.4661	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	91	4793	0.5000	0.4627	
S 125 Total BTEX	1				0		2.50	2.36	
S 124 Trihalomethanes, Total	1				0		2.00	1.79	
S 126 1,2-Dichloroethene, Total	96				0			1.04	
S 127 1,3-Dichloropropene, Total	75				0			0.8553	
S 128 Xylenes, Total	106				0		1.00	0.9341	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

vm50is_stk_a_00008	Amount Added:	2.00	Units: uL
vmrgas_00394	Amount Added:	0.40	Units: uL
vmarolistdw_00402	Amount Added:	0.40	Units: uL
vmrprimw_00445	Amount Added:	0.40	Units: uL
vm50ss_00449	Amount Added:	0.40	Units: uL

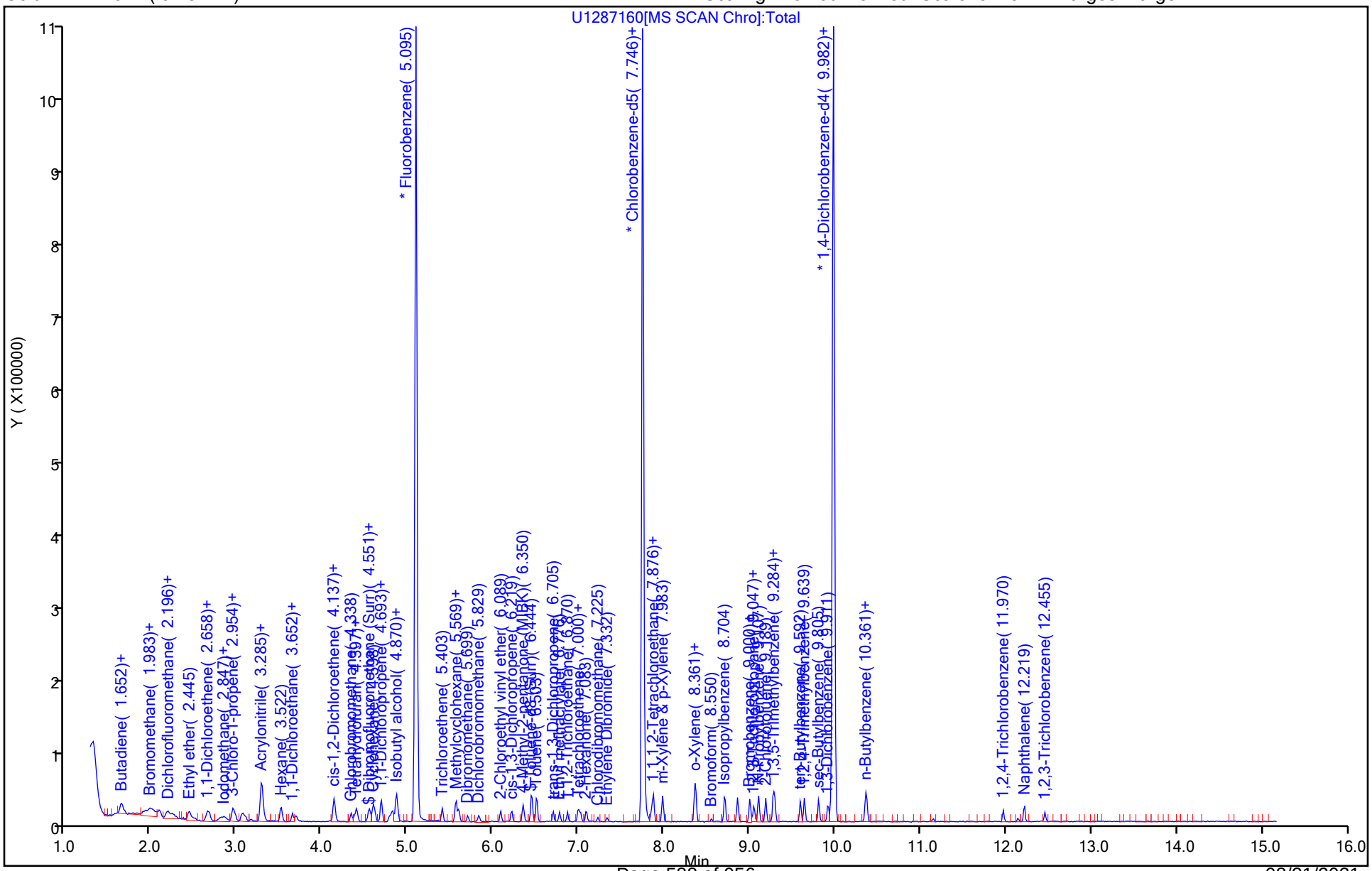
Report Date: 02-Aug-2021 14:05:52 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287160.D

Injection Date:	31-Jul-2021 11:43:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	std8260 L1			Worklist Smp#:	10
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

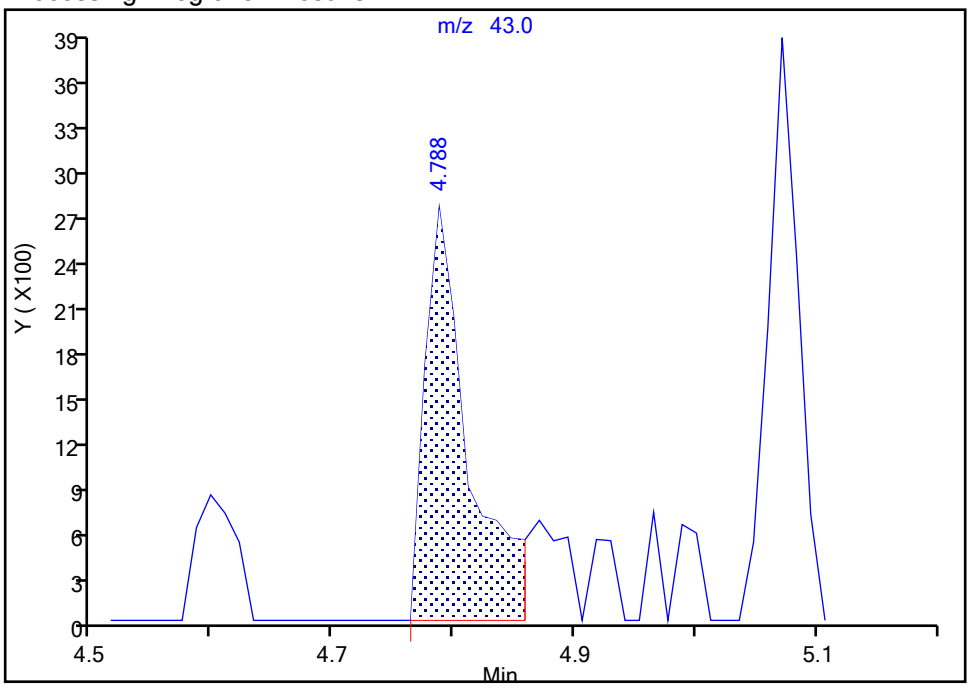
Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287160.D
Injection Date: 31-Jul-2021 11:43:30 Instrument ID: A3UX12
Lims ID: std8260 L1
Client ID:
Operator ID: 001904 ALS Bottle#: 3 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 2

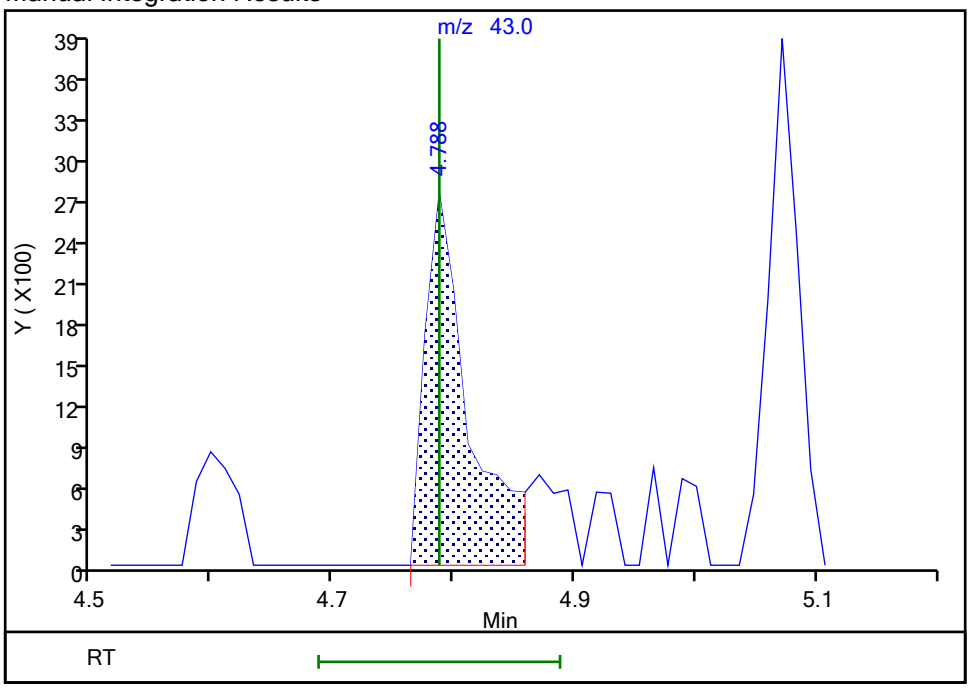
Processing Integration Results

RT: 4.79
Area: 6915
Amount: 9.845845
Amount Units: ug/l



Manual Integration Results

RT: 4.79
Area: 6915
Amount: 10.123644
Amount Units: ug/l



Reviewer: laveyt, 31-Jul-2021 13:25:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

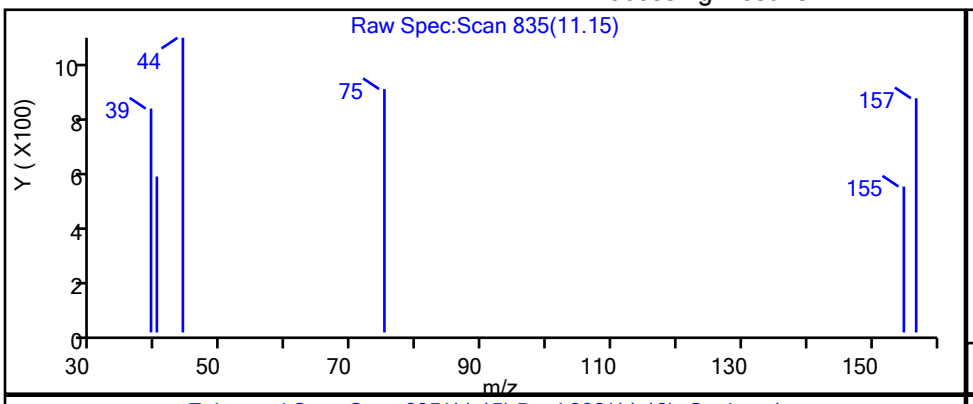
User Disabled Compound Report

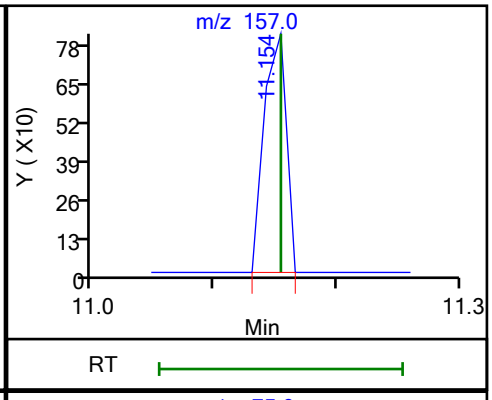
Eurofins TestAmerica, Canton

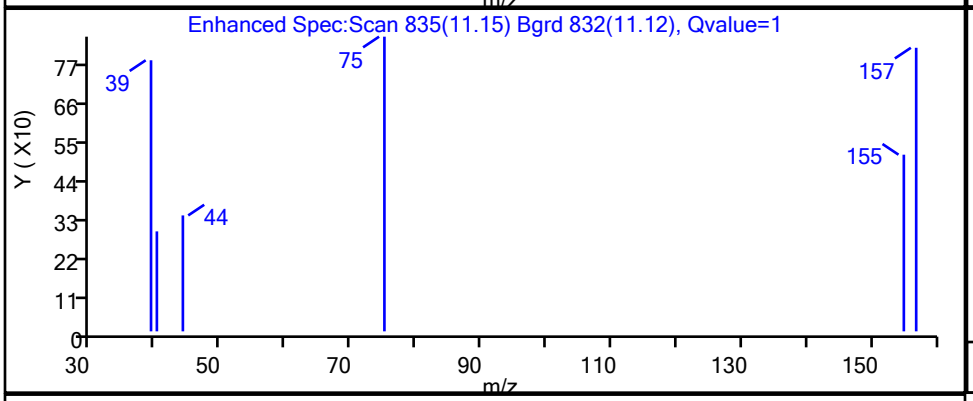
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287160.D				
Injection Date:	31-Jul-2021 11:43:30	Instrument ID:	A3UX12		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	3	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

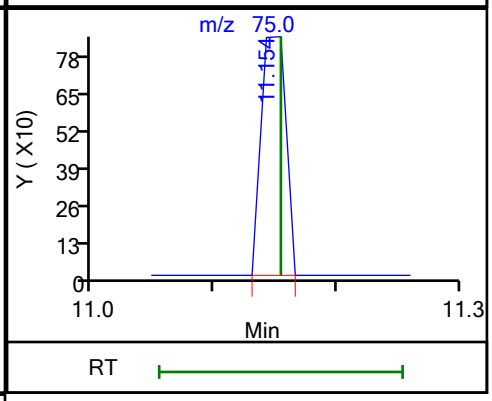
113 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

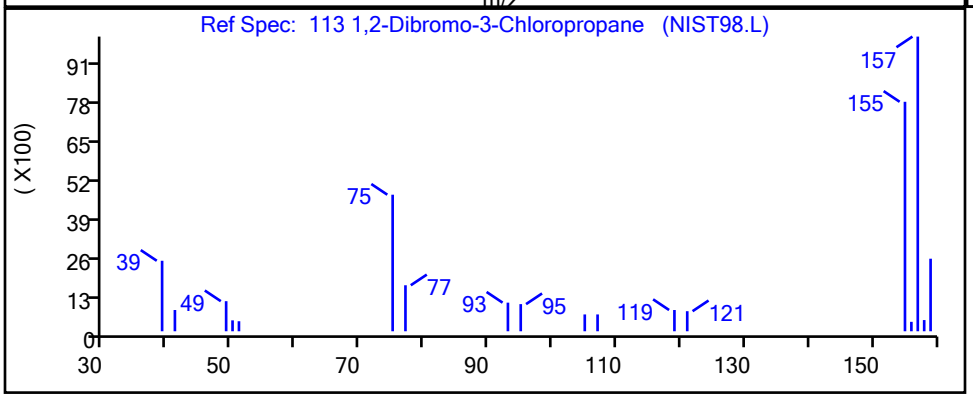
Processing Results











RT	Mass	Response	Amount
11.15	157.00	1032	0.381689
11.15	75.00	1203	

Reviewer: laveyt, 31-Jul-2021 13:27:57

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

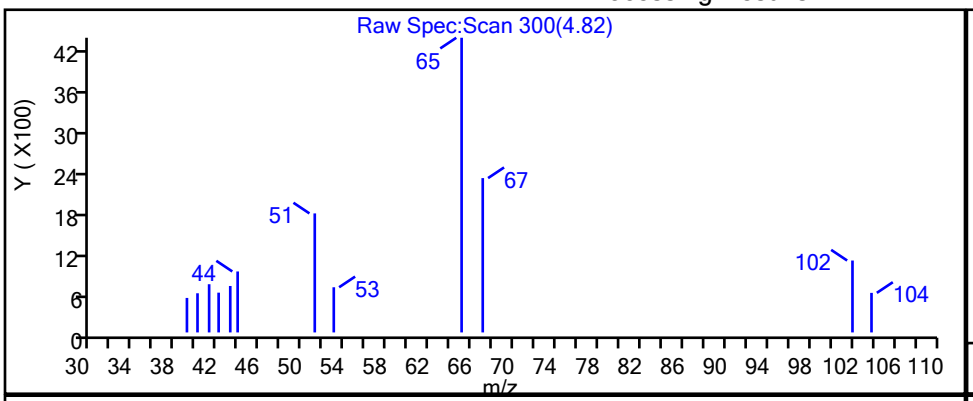
User Disabled Compound Report

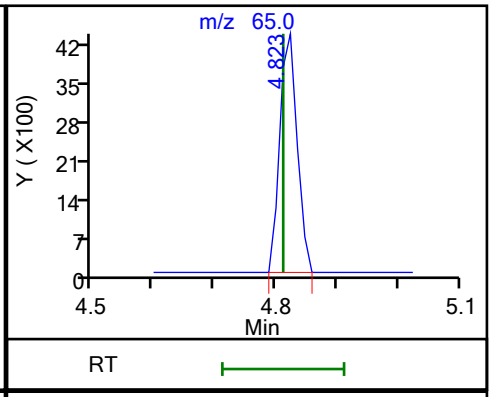
Eurofins TestAmerica, Canton

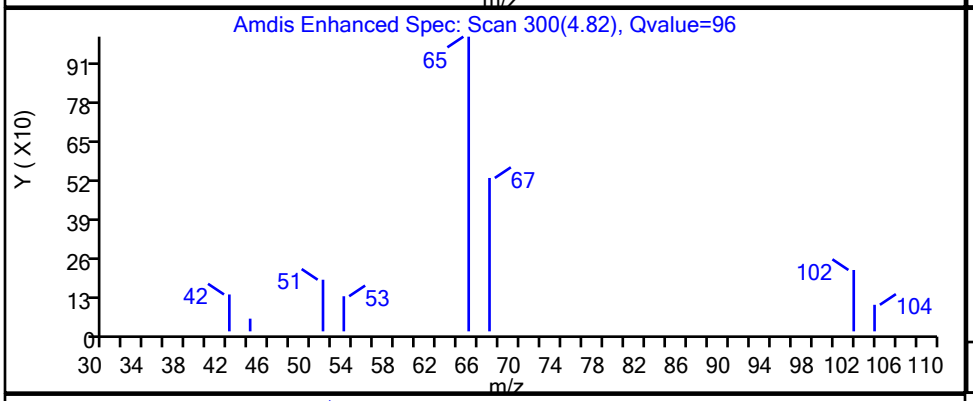
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287160.D				
Injection Date:	31-Jul-2021 11:43:30	Instrument ID:	A3UX12		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	3	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

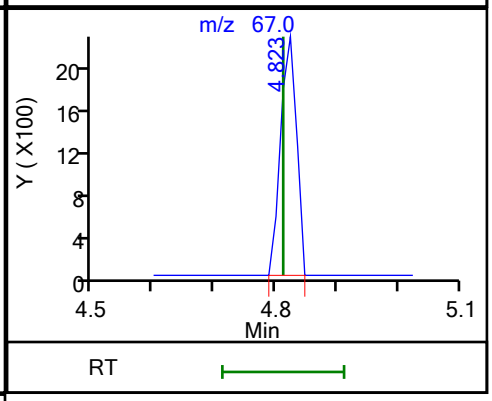
$ 5 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

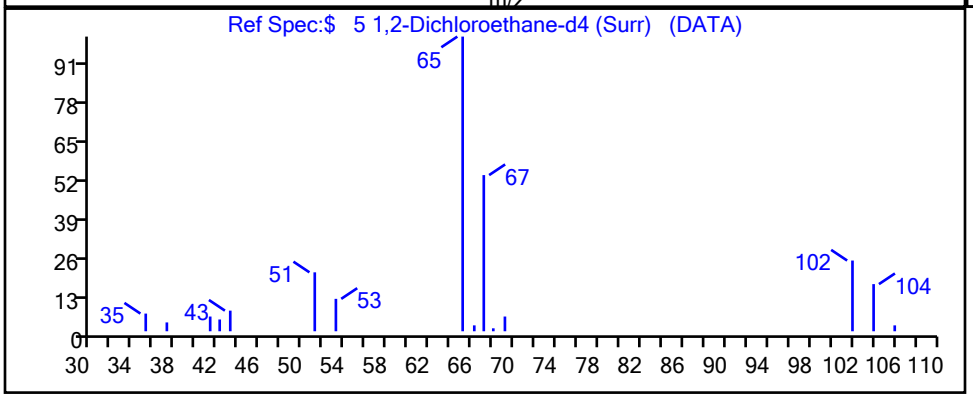
Processing Results











RT	Mass	Response	Amount
4.82	65.00	8666	0.601550
4.82	67.00	4170	

Reviewer: laveyt, 31-Jul-2021 13:57:43

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

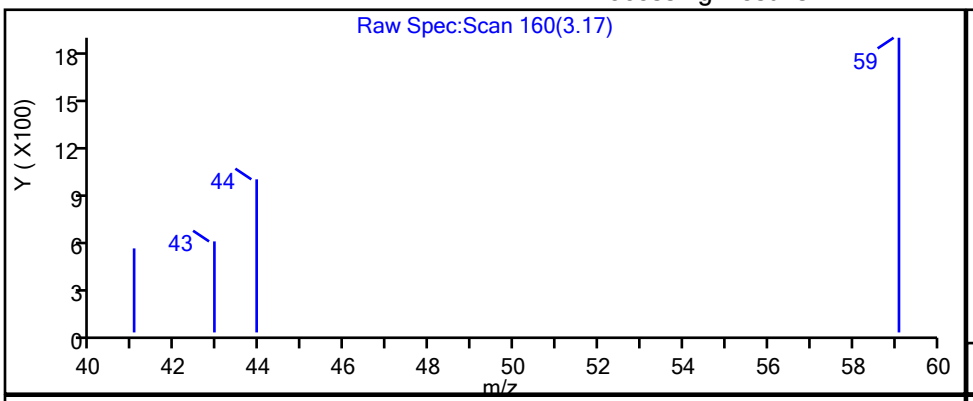
User Disabled Compound Report

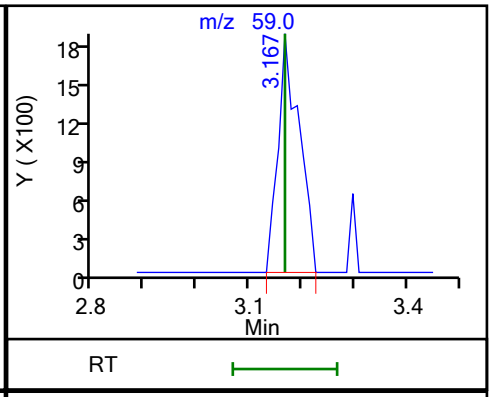
Eurofins TestAmerica, Canton

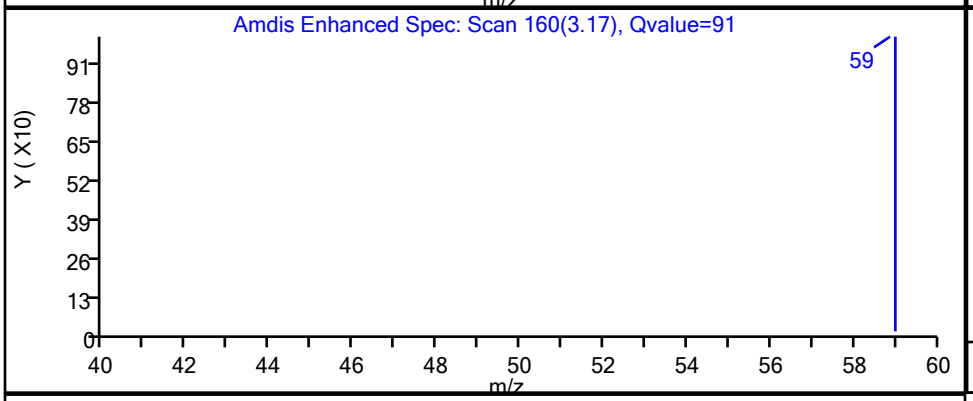
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287160.D				
Injection Date:	31-Jul-2021 11:43:30	Instrument ID:	A3UX12		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	3	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

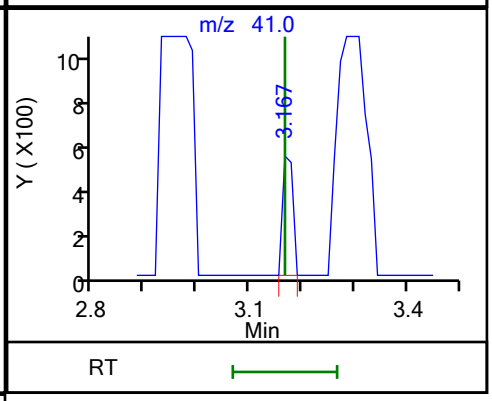
30 2-Methyl-2-propanol, CAS: 75-65-0

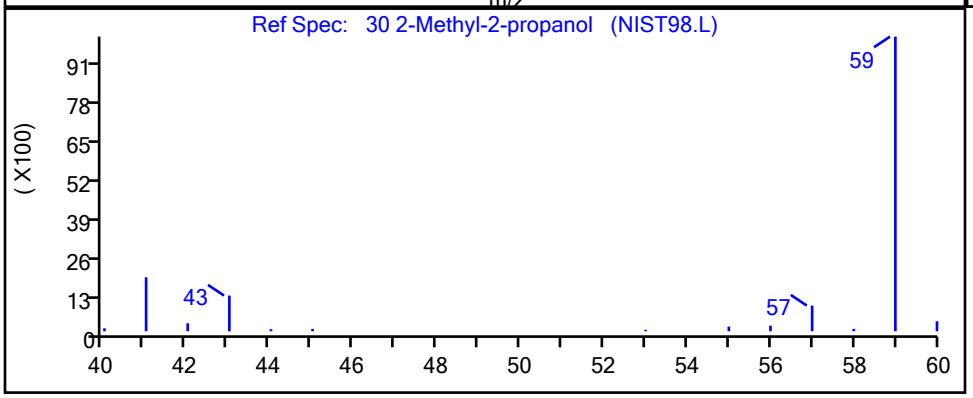
Processing Results











RT	Mass	Response	Amount
3.17	59.00	5325	4.072479
3.17	41.00	746	

Reviewer: laveyt, 31-Jul-2021 14:51:51

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

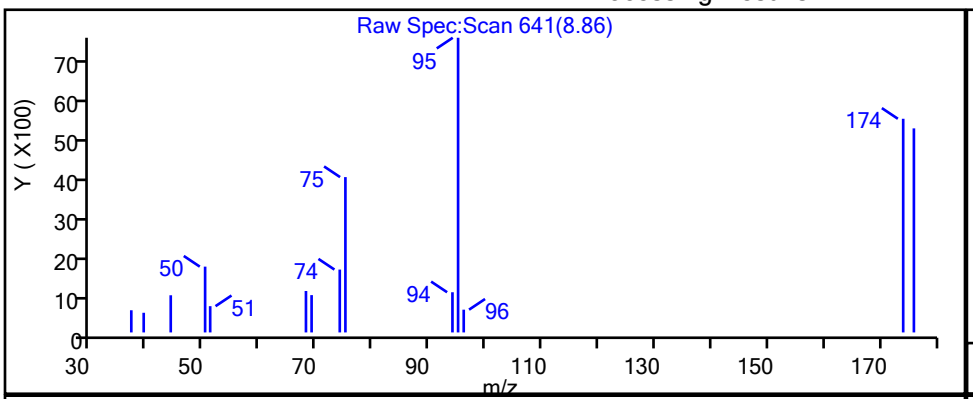
User Disabled Compound Report

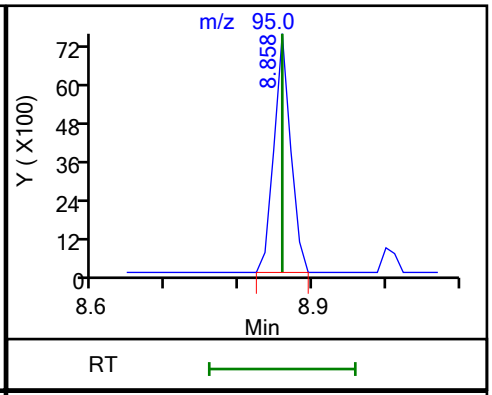
Eurofins TestAmerica, Canton

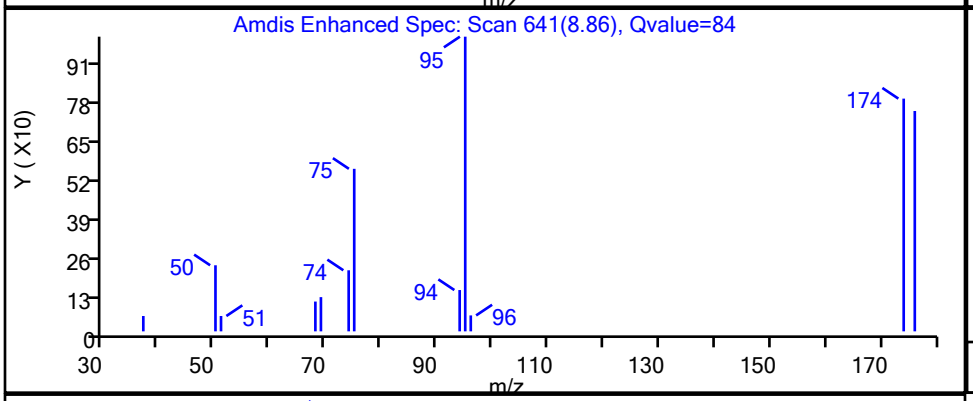
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287160.D				
Injection Date:	31-Jul-2021 11:43:30	Instrument ID:	A3UX12		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	3	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

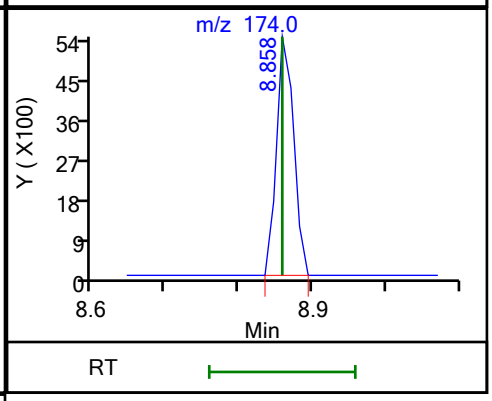
$ 7 4-Bromofluorobenzene (Surr), CAS: 460-00-4

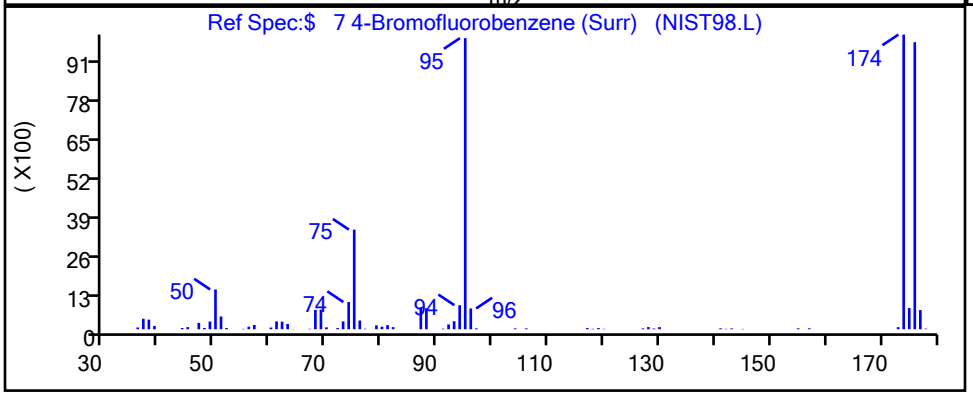
Processing Results











RT	Mass	Response	Amount
8.86	95.00	11887	0.710086
8.86	174.00	8892	

Reviewer: laveyt, 31-Jul-2021 13:23:26

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

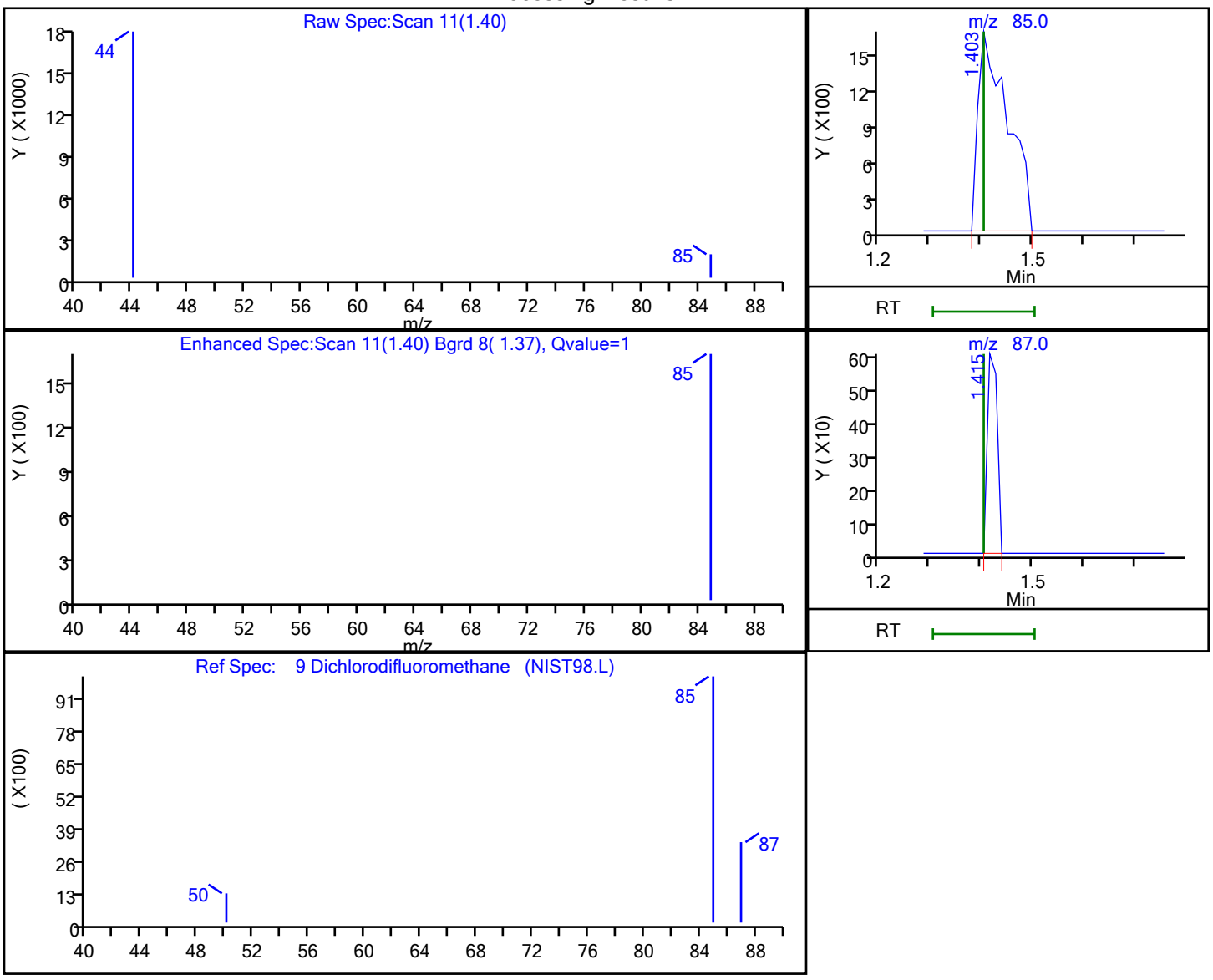
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287160.D				
Injection Date:	31-Jul-2021 11:43:30	Instrument ID:	A3UX12		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	3	Worklist Smp#:	10
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		

9 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.40	85.00	6820	0.380477
1.42	87.00	817	

Reviewer: laveyt, 31-Jul-2021 13:24:13

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

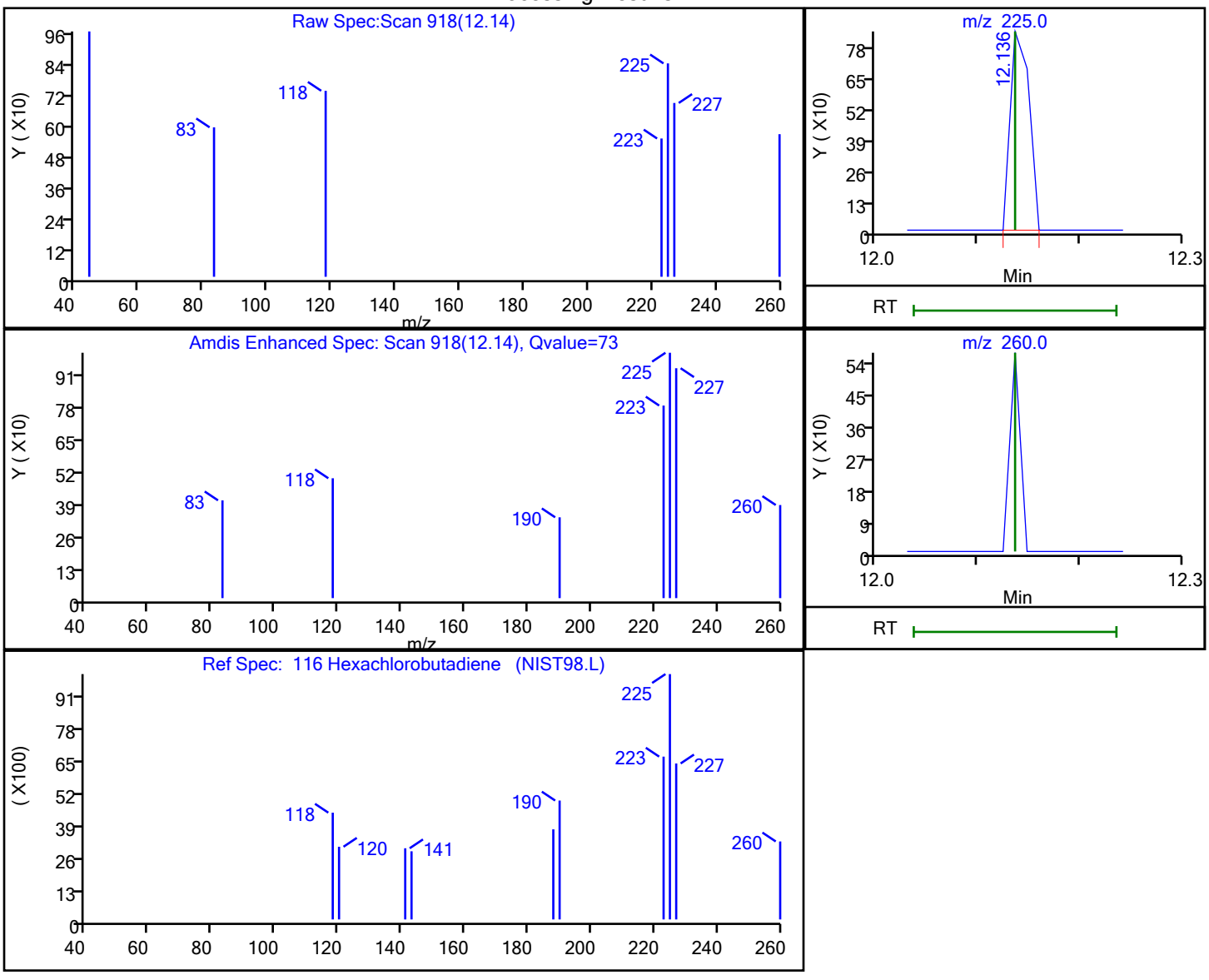
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287160.D				
Injection Date:	31-Jul-2021 11:43:30	Instrument ID:	A3UX12		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	3	Worklist Smp#:	10
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		

116 Hexachlorobutadiene, CAS: 87-68-3

Processing Results



RT	Mass	Response	Amount
12.14	225.00	1083	0.299527
12.14	260.00	0	

Reviewer: laveyt, 31-Jul-2021 13:28:09

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

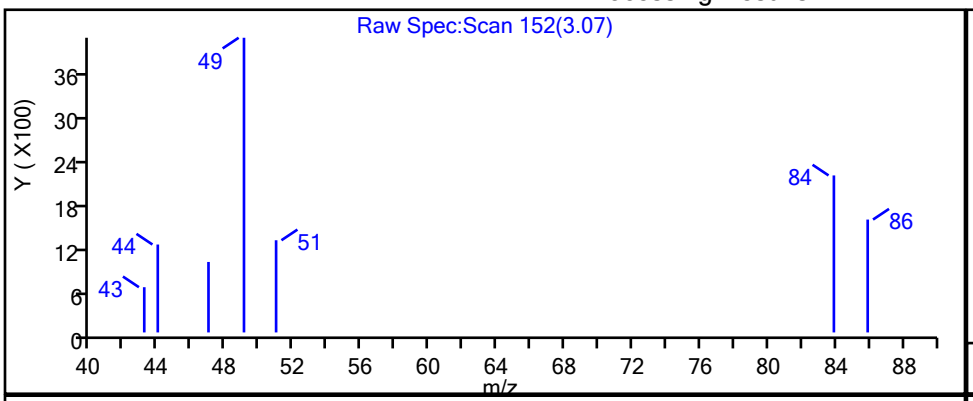
User Disabled Compound Report

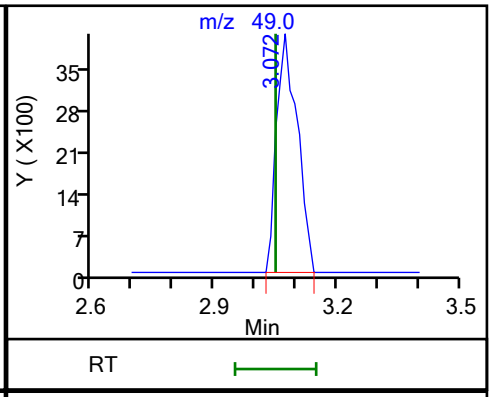
Eurofins TestAmerica, Canton

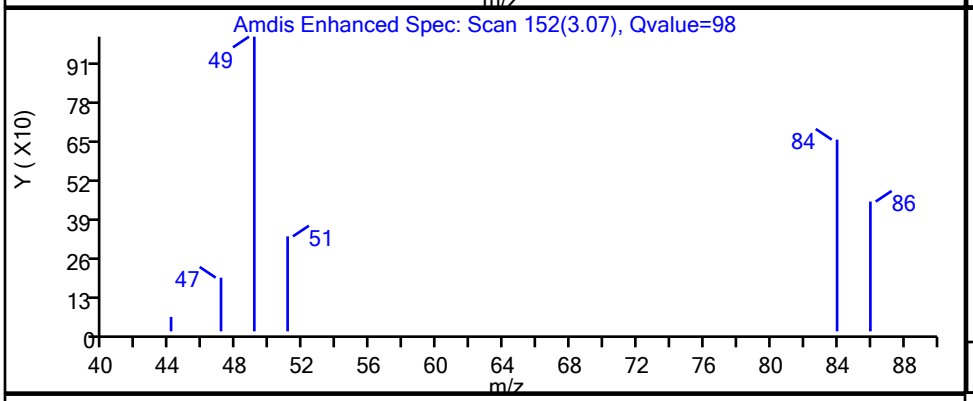
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287160.D				
Injection Date:	31-Jul-2021 11:43:30	Instrument ID:	A3UX12		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	3	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

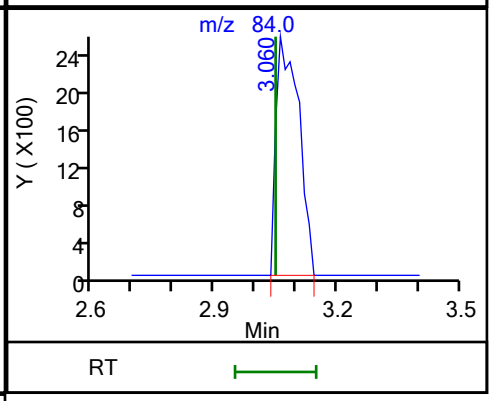
29 Methylene Chloride, CAS: 75-09-2

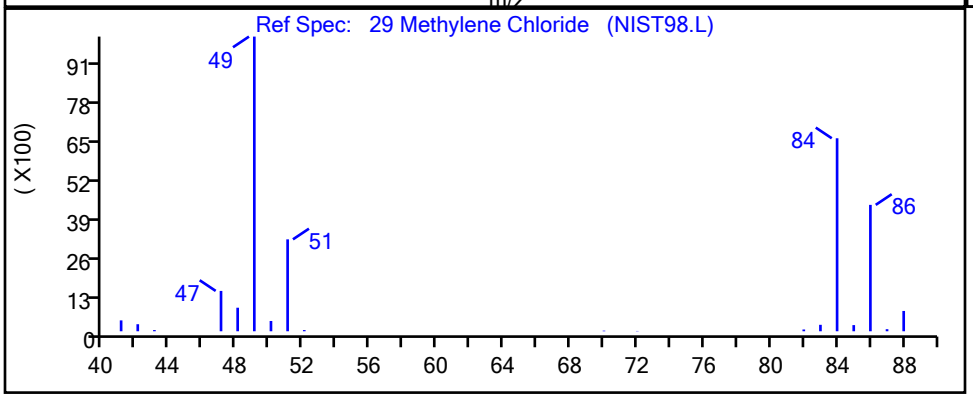
Processing Results











RT	Mass	Response	Amount
3.07	49.00	14561	0.598313
3.06	84.00	9781	

Reviewer: laveyt, 31-Jul-2021 13:24:57

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

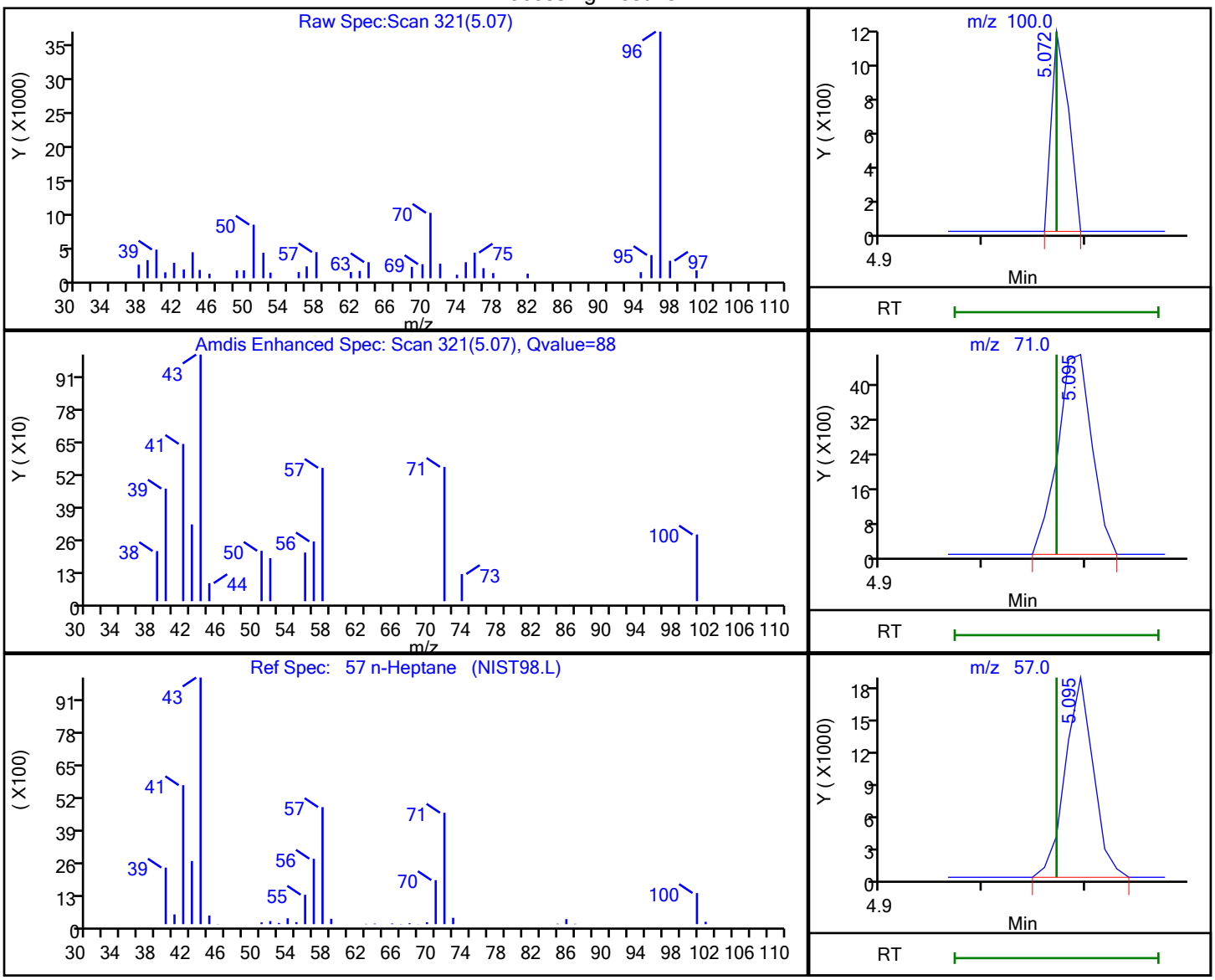
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287160.D				
Injection Date:	31-Jul-2021 11:43:30	Instrument ID:	A3UX12		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	3	Worklist Smp#:	10
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
5.07	100.00	1331	
5.10	71.00	10918	
5.10	57.00	35984	1.014544

Reviewer: laveyt, 31-Jul-2021 13:26:04

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287161.D
Lims ID: std8260 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 31-Jul-2021 12:05:30 ALS Bottle#: 4 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-011
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:05:55 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 31-Jul-2021 12:24:44

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	98	833321	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	492442	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	265818	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	90	11425	1.00	1.09	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	95	16093	1.00	1.29	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	93	37142	1.00	1.02	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	81	15428	1.00	1.19	
9 Dichlorodifluoromethane	85	1.403	1.403	0.000	95	17857	1.00	0.9304	
10 Chloromethane	50	1.628	1.628	0.000	97	33310	1.00	1.02	M
11 Butadiene	54	1.640	1.640	0.000	91	22295	1.00	1.02	
12 Vinyl chloride	62	1.675	1.676	-0.001	95	20906	1.00	0.9365	
14 Bromomethane	94	1.936	1.924	0.012	86	13154	1.00	0.8340	
15 Chloroethane	64	1.983	1.983	0.000	97	15411	1.00	0.8735	
16 Dichlorofluoromethane	67	2.196	2.173	0.023	96	32769	1.00	0.9210	
17 Trichlorofluoromethane	101	2.243	2.244	-0.001	61	24608	1.00	0.8814	
19 Ethyl ether	59	2.433	2.433	0.000	91	14619	1.00	1.06	
20 Acrolein	56	2.551	2.551	0.000	36	1443	5.00	4.32	
21 1,1-Dichloroethene	61	2.646	2.634	0.012	90	21781	1.00	0.9288	
22 112TCTFE	101	2.658	2.658	0.000	65	12690	1.00	0.9795	
23 Acetone	43	2.693	2.681	0.012	97	14231	2.00	1.88	
24 Iodomethane	142	2.788	2.788	0.000	96	17755	1.00	0.9871	
25 Carbon disulfide	76	2.871	2.835	0.036	99	36774	1.00	0.9150	
27 3-Chloro-1-propene	41	2.942	2.942	0.000	83	25338	1.00	1.06	
28 Methyl acetate	43	2.965	2.965	0.000	98	25049	2.00	2.41	
29 Methylene Chloride	49	3.084	3.048	0.036	93	25444	1.00	1.24	
30 2-Methyl-2-propanol	59	3.166	3.167	-0.001	98	18239	10.0	8.75	
31 Acrylonitrile	53	3.273	3.273	0.000	98	53357	10.0	11.6	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	99	42651	1.00	1.07	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	68	20364	1.00	0.9719	
34 Hexane	57	3.510	3.510	0.000	94	19112	1.00	0.9586	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	96	27123	1.00	1.06	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	3.687	3.687	0.000	97	27911	1.00	1.14	
40 2,2-Dichloropropane	77	4.125	4.125	0.000	57	14644	1.00	0.9453	
41 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	85	15233	1.00	1.08	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	98	2661	2.00	1.68	
46 Chlorobromomethane	49	4.326	4.326	0.000	92	13393	1.00	1.15	
47 Tetrahydrofuran	42	4.373	4.373	0.000	84	11555	2.00	2.32	
48 Chloroform	83	4.397	4.397	0.000	94	22731	1.00	1.02	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	96	18125	1.00	0.9177	
50 Cyclohexane	84	4.598	4.598	0.000	94	22520	1.00	0.9549	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	89	18109	1.00	0.9710	
52 Carbon tetrachloride	117	4.681	4.681	0.000	75	14022	1.00	0.8818	
53 Isobutyl alcohol	41	4.788	4.788	0.000	95	18411	25.0	31.9	
54 Benzene	78	4.859	4.859	-0.001	97	50147	1.00	1.02	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	95	17631	1.00	1.08	
57 n-Heptane	57		5.072				ND	ND	U
59 Trichloroethene	130	5.403	5.403	0.000	95	11049	1.00	0.9671	
61 Methylcyclohexane	83	5.557	5.557	0.000	87	20559	1.00	0.9018	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	93	10987	1.00	1.01	
64 Dibromomethane	174	5.699	5.699	0.000	95	6464	1.00	1.08	
65 1,4-Dioxane	88	5.734	5.711	0.023	8	530	20.0	20.4	
66 Dichlorobromomethane	83	5.829	5.829	0.000	93	12670	1.00	0.9556	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	91	13679	2.00	2.05	
69 cis-1,3-Dichloropropene	75	6.207	6.219	-0.012	89	15496	1.00	0.9729	
70 4-Methyl-2-pentanone (MIBK)	43	6.349	6.350	-0.001	97	34338	2.00	2.05	
71 Toluene	91	6.503	6.503	0.000	97	41037	1.00	0.9697	
72 trans-1,3-Dichloropropene	75	6.704	6.705	-0.001	97	12553	1.00	0.9474	
74 Ethyl methacrylate	69	6.775	6.776	-0.001	89	13677	1.00	1.00	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	93	7833	1.00	1.06	
76 Tetrachloroethene	166	7.000	6.989	0.011	94	8849	1.00	0.9492	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	92	15080	1.00	1.03	
78 2-Hexanone	43	7.083	7.083	0.000	97	24570	2.00	2.18	
80 Chlorodibromomethane	129	7.225	7.225	0.000	84	6381	1.00	0.8762	
81 Ethylene Dibromide	107	7.332	7.332	0.000	95	7929	1.00	0.9853	
83 Chlorobenzene	112	7.769	7.770	-0.001	92	24348	1.00	0.9577	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	90	9434	1.00	0.9815	
85 Ethylbenzene	106	7.876	7.876	0.000	98	14027	1.00	0.9482	
86 m-Xylene & p-Xylene	106	7.982	7.983	0.000	97	18395	1.00	0.9845	
87 o-Xylene	106	8.361	8.361	0.000	98	18456	1.00	0.9708	
88 Styrene	104	8.373	8.373	0.000	96	25324	1.00	0.8936	
89 Bromoform	173	8.550	8.550	0.000	93	4344	1.00	0.8506	
90 Isopropylbenzene	105	8.704	8.704	0.000	96	48391	1.00	0.9498	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	86	14539	1.00	1.12	
92 Bromobenzene	156	9.000	9.000	0.000	97	10455	1.00	1.06	
94 1,2,3-Trichloropropane	110	9.047	9.047	0.000	87	4540	1.00	1.05	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	83	5205	1.00	1.07	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	12474	1.00	1.00	
97 2-Chlorotoluene	126	9.189	9.189	0.000	96	12140	1.00	1.14	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	94	35318	1.00	0.9550	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	10675	1.00	1.02	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	27576	1.00	0.9316	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	97	37982	1.00	1.01	
105 sec-Butylbenzene	105	9.805	9.805	0.000	94	42144	1.00	0.9407	

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	9.923	-0.012	96	22115	1.00	1.13	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	96	36320	1.00	0.9506	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	93	22675	1.00	1.10	
111 n-Butylbenzene	91	10.349	10.349	0.000	98	31999	1.00	0.9622	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	91	20070	1.00	1.04	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	1	2413	1.00	0.8845	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	91	12222	1.00	1.13	
116 Hexachlorobutadiene	225	12.136	12.136	0.000	88	3367	1.00	0.9012	
117 Naphthalene	128	12.219	12.219	0.000	98	37629	1.00	1.10	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	92	10551	1.00	1.10	
S 125 Total BTEX	1				0		5.00	4.89	
S 124 Trihalomethanes, Total	1				0		4.00	3.70	
S 126 1,2-Dichloroethene, Total	96				0			2.06	
S 127 1,3-Dichloropropene, Total	75				0			1.92	
S 128 Xylenes, Total	106				0		2.00	1.96	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

vm50is_stk_a_00008	Amount Added:	2.00	Units: uL
vmrgas_00394	Amount Added:	0.80	Units: uL
vmarolistdw_00402	Amount Added:	0.80	Units: uL
vmrprimw_00445	Amount Added:	0.80	Units: uL
vm50ss_00449	Amount Added:	0.80	Units: uL

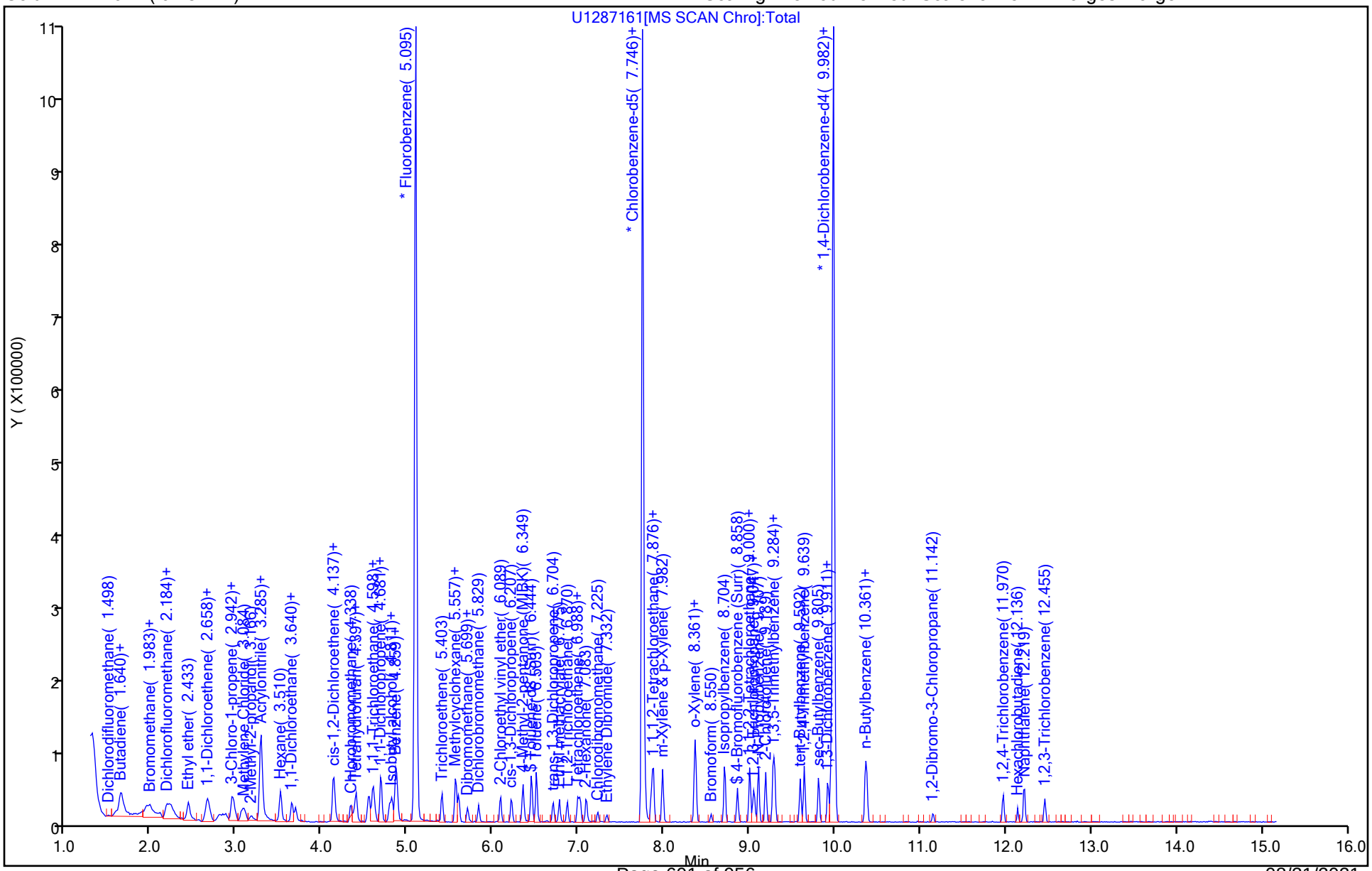
Report Date: 02-Aug-2021 14:05:56 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287161.D

Injection Date:	31-Jul-2021 12:05:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	std8260 L2			Worklist Smp#:	11
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



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

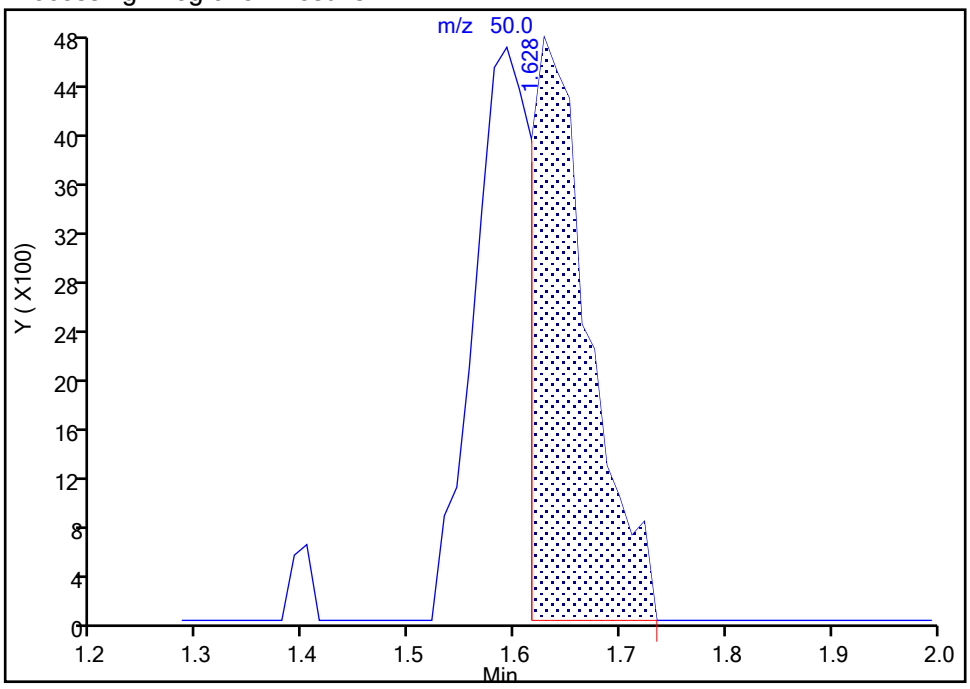
Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287161.D
Injection Date: 31-Jul-2021 12:05:30 Instrument ID: A3UX12
Lims ID: std8260 L2
Client ID:
Operator ID: 001904 ALS Bottle#: 4 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

10 Chloromethane, CAS: 74-87-3

Signal: 1

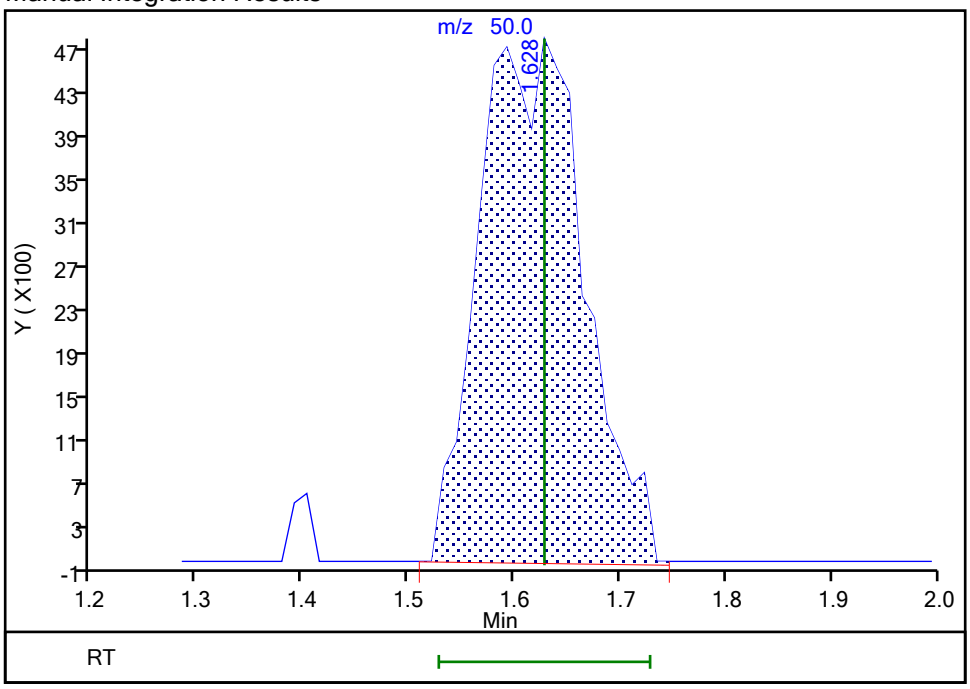
Processing Integration Results

RT: 1.63
Area: 18255
Amount: 1.046734
Amount Units: ug/l



Manual Integration Results

RT: 1.63
Area: 33310
Amount: 1.018800
Amount Units: ug/l



Reviewer: laveyt, 31-Jul-2021 12:23:18
Audit Action: Manually Integrated Audit Reason: Split Peak

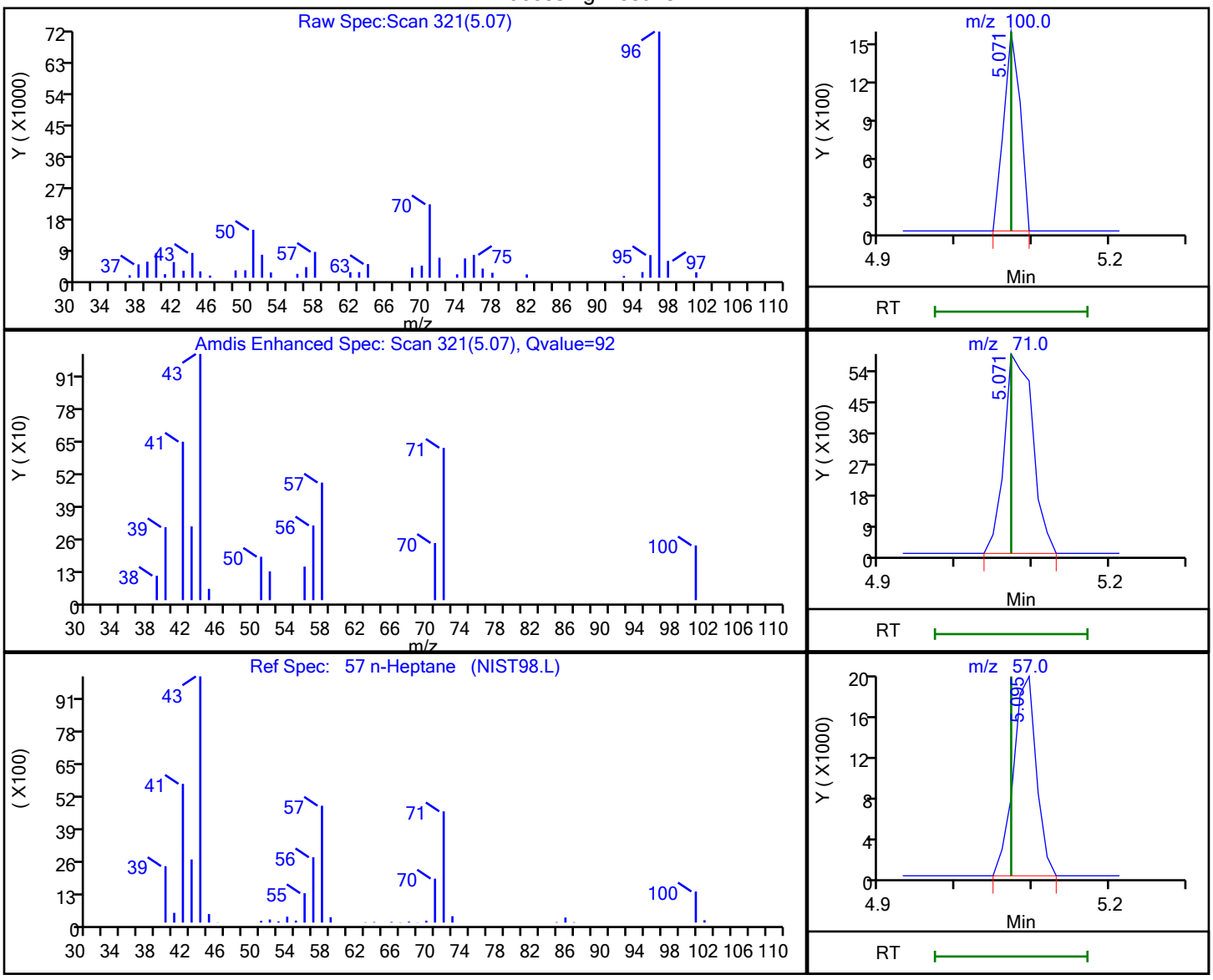
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287161.D				
Injection Date:	31-Jul-2021 12:05:30	Instrument ID:	A3UX12		
Lims ID:	std8260 L2				
Client ID:					
Operator ID:	001904	ALS Bottle#:	4	Worklist Smp#:	11
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
5.07	100.00	2379	
5.07	71.00	15048	
5.10	57.00	40408	2.029004

Reviewer: laveyt, 31-Jul-2021 13:32:04

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287162.D
Lims ID: std8260 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 31-Jul-2021 12:27:30 ALS Bottle#: 5 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-012
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:06:00 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 31-Jul-2021 12:53:47

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	98	808031	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	475799	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	260008	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	90	24564	2.50	2.41	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	95	29564	2.50	2.44	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	87076	2.50	2.47	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	32561	2.50	2.60	
9 Dichlorodifluoromethane	85	1.391	1.403	-0.012	98	49841	2.50	2.68	
10 Chloromethane	50	1.581	1.628	-0.047	98	89518	2.50	2.82	M
11 Butadiene	54	1.640	1.640	0.000	95	61473	2.50	2.90	
12 Vinyl chloride	62	1.687	1.676	0.011	97	62430	2.50	2.88	
14 Bromomethane	94	1.924	1.924	0.000	93	39492	2.50	2.58	
15 Chloroethane	64	1.971	1.983	-0.012	99	43510	2.50	2.54	
16 Dichlorofluoromethane	67	2.184	2.173	0.011	98	92054	2.50	2.67	
17 Trichlorofluoromethane	101	2.243	2.244	-0.001	71	70936	2.50	2.62	
19 Ethyl ether	59	2.433	2.433	0.000	92	33690	2.50	2.52	
20 Acrolein	56	2.551	2.551	0.000	94	3285	12.5	10.1	
21 1,1-Dichloroethene	61	2.646	2.634	0.012	95	59874	2.50	2.63	
22 112TCTFE	101	2.658	2.658	0.000	91	33333	2.50	2.65	
23 Acetone	43	2.681	2.681	0.000	72	20963	5.00	4.04	
24 Iodomethane	142	2.788	2.788	0.000	99	47600	2.50	2.73	
25 Carbon disulfide	76	2.859	2.835	0.024	100	102859	2.50	2.64	
27 3-Chloro-1-propene	41	2.942	2.942	0.000	85	60843	2.50	2.61	
28 Methyl acetate	43	2.965	2.965	0.000	99	49748	5.00	4.94	
29 Methylene Chloride	49	3.072	3.048	0.024	97	55260	2.50	2.77	
30 2-Methyl-2-propanol	59	3.166	3.167	-0.001	98	27948	25.0	20.3	
31 Acrylonitrile	53	3.273	3.273	0.000	98	105759	25.0	23.7	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	98	96703	2.50	2.49	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	96	53663	2.50	2.64	
34 Hexane	57	3.510	3.510	0.000	95	51018	2.50	2.64	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	97	64243	2.50	2.60	

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	98	60373	2.50	2.54	
40 2,2-Dichloropropane	77	4.125	4.125	0.000	63	39751	2.50	2.65	
41 cis-1,2-Dichloroethene	96	4.125	4.137	-0.012	85	32923	2.50	2.42	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	99	7121	5.00	4.65	
46 Chlorobromomethane	49	4.326	4.326	0.000	94	28208	2.50	2.50	
47 Tetrahydrofuran	42	4.373	4.373	0.000	87	26182	5.00	5.42	
48 Chloroform	83	4.397	4.397	0.000	95	55413	2.50	2.57	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	96	49325	2.50	2.58	
50 Cyclohexane	84	4.598	4.598	0.000	93	63408	2.50	2.77	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	89	47986	2.50	2.65	
52 Carbon tetrachloride	117	4.693	4.681	0.012	80	41434	2.50	2.69	
53 Isobutyl alcohol	41	4.788	4.788	0.000	91	28758	62.5	51.4	
54 Benzene	78	4.859	4.859	0.000	98	120725	2.50	2.52	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	96	38636	2.50	2.44	
57 n-Heptane	57	5.095	5.072	0.023	91	48558	2.50	2.48	
59 Trichloroethene	130	5.403	5.403	0.000	94	27292	2.50	2.46	
61 Methylcyclohexane	83	5.557	5.557	0.000	93	60591	2.50	2.74	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	87	25393	2.50	2.40	
64 Dibromomethane	174	5.699	5.699	0.000	91	13302	2.50	2.29	
65 1,4-Dioxane	88	5.722	5.711	0.011	27	2758	50.0	39.4	
66 Dichlorobromomethane	83	5.829	5.829	0.000	97	31292	2.50	2.43	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	94	31180	5.00	4.82	
69 cis-1,3-Dichloropropene	75	6.207	6.219	-0.012	92	38713	2.50	2.51	
70 4-Methyl-2-pentanone (MIBK)	43	6.349	6.350	-0.001	97	84273	5.00	5.19	
71 Toluene	91	6.503	6.503	0.000	97	107223	2.50	2.62	
72 trans-1,3-Dichloropropene	75	6.704	6.705	-0.001	97	32729	2.50	2.56	
74 Ethyl methacrylate	69	6.775	6.776	-0.001	90	34098	2.50	2.58	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	95	19127	2.50	2.68	
76 Tetrachloroethene	166	6.988	6.989	-0.001	95	23950	2.50	2.66	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	94	37575	2.50	2.66	
78 2-Hexanone	43	7.083	7.083	0.000	96	56849	5.00	5.23	
80 Chlorodibromomethane	129	7.225	7.225	0.000	89	17371	2.50	2.47	
81 Ethylene Dibromide	107	7.332	7.332	0.000	94	21173	2.50	2.72	
83 Chlorobenzene	112	7.769	7.770	-0.001	92	65817	2.50	2.68	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	87	23710	2.50	2.55	
85 Ethylbenzene	106	7.876	7.876	0.000	99	38001	2.50	2.66	
86 m-Xylene & p-Xylene	106	7.982	7.983	0.000	96	45735	2.50	2.53	
87 o-Xylene	106	8.361	8.361	0.000	98	48051	2.50	2.62	
88 Styrene	104	8.373	8.373	0.000	94	69079	2.50	2.52	
89 Bromoform	173	8.550	8.550	0.000	92	11721	2.50	2.38	
90 Isopropylbenzene	105	8.704	8.704	0.000	96	131551	2.50	2.67	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	82	33858	2.50	2.66	
92 Bromobenzene	156	9.000	9.000	0.000	98	26198	2.50	2.72	
94 1,2,3-Trichloropropane	110	9.047	9.047	0.000	87	12191	2.50	2.89	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	79	12905	2.50	2.71	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	33687	2.50	2.76	
97 2-Chlorotoluene	126	9.189	9.189	0.000	95	29329	2.50	2.81	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	95	95699	2.50	2.65	
99 4-Chlorotoluene	126	9.296	9.296	0.000	98	29143	2.50	2.85	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	75856	2.50	2.62	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	98669	2.50	2.68	
105 sec-Butylbenzene	105	9.805	9.805	0.000	94	120250	2.50	2.74	

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	9.923	-0.012	95	51080	2.50	2.66	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	97	101006	2.50	2.70	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	93	53944	2.50	2.68	
111 n-Butylbenzene	91	10.361	10.349	0.012	98	89936	2.50	2.76	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	94	51642	2.50	2.75	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	77	6737	2.50	2.52	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	93	28440	2.50	2.69	
116 Hexachlorobutadiene	225	12.136	12.136	0.000	94	9839	2.50	2.69	
117 Naphthalene	128	12.219	12.219	0.000	98	91150	2.50	2.72	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	94	25350	2.50	2.71	
S 125 Total BTEX	1				0		12.5	13.0	
S 124 Trihalomethanes, Total	1				0		10.0	9.84	
S 126 1,2-Dichloroethene, Total	96				0			5.06	
S 127 1,3-Dichloropropene, Total	75				0			5.06	
S 128 Xylenes, Total	106				0		5.00	5.15	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

vm50is_stk_a_00008	Amount Added:	2.00	Units: uL
vmrgas_00394	Amount Added:	2.00	Units: uL
vmarolistdw_00402	Amount Added:	2.00	Units: uL
vmrprimw_00445	Amount Added:	2.00	Units: uL
vm50ss_00449	Amount Added:	2.00	Units: uL

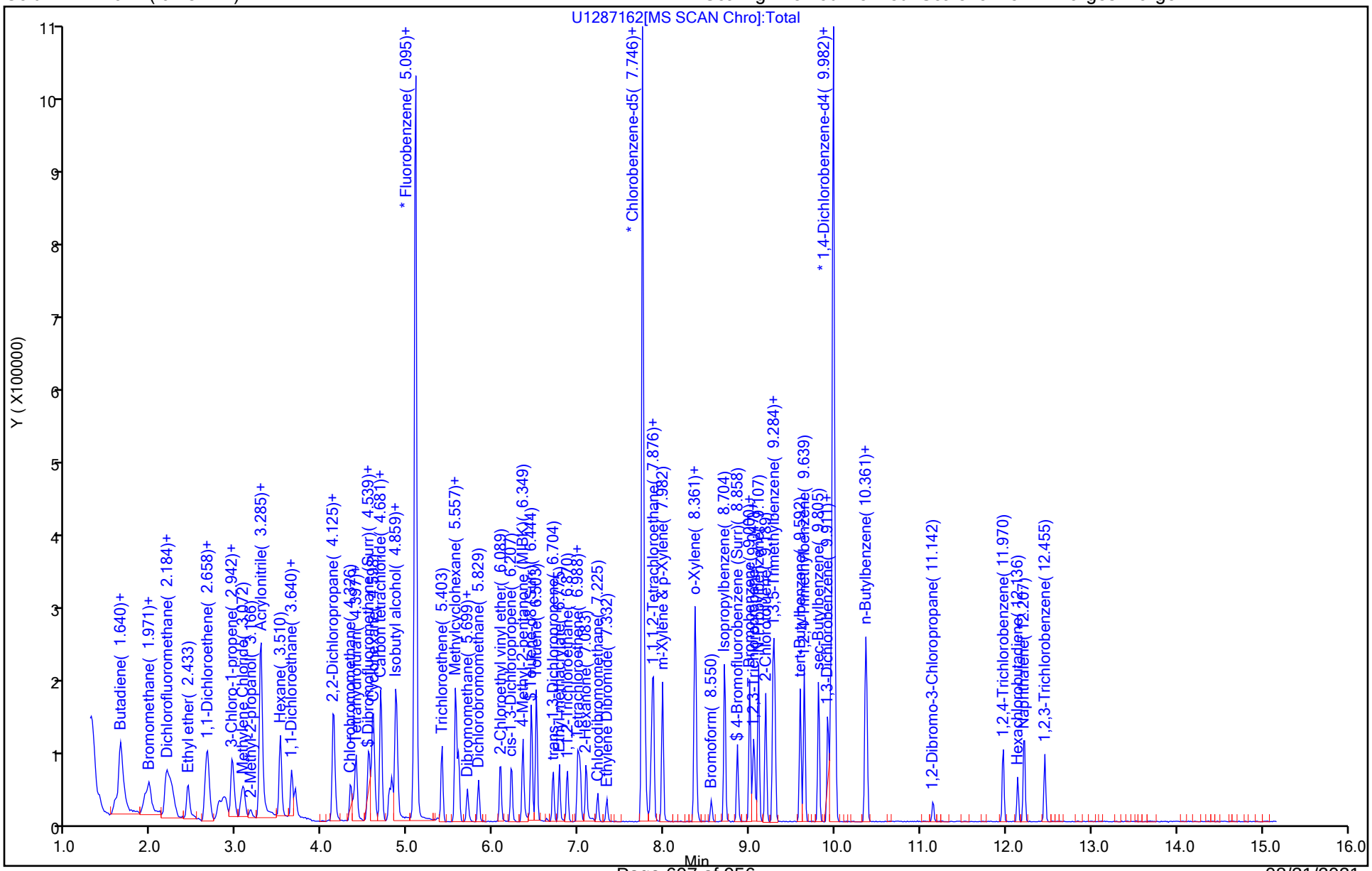
Report Date: 02-Aug-2021 14:06:02 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287162.D

Injection Date:	31-Jul-2021 12:27:30	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#:	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



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

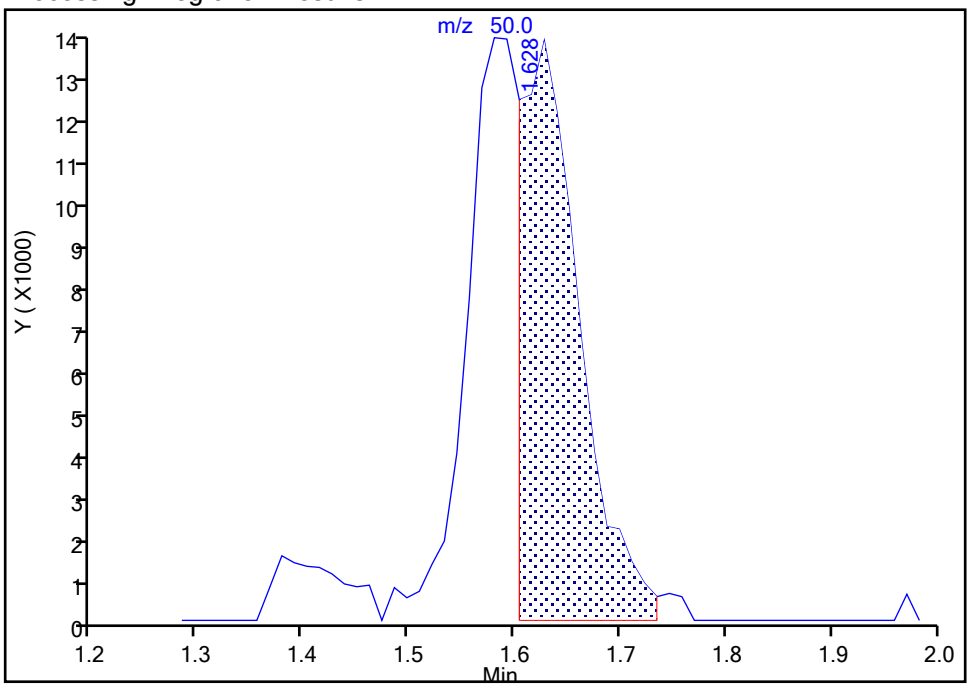
Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287162.D
Injection Date: 31-Jul-2021 12:27:30 Instrument ID: A3UX12
Lims ID: std8260 L3
Client ID:
Operator ID: 001904 ALS Bottle#: 5 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

10 Chloromethane, CAS: 74-87-3

Signal: 1

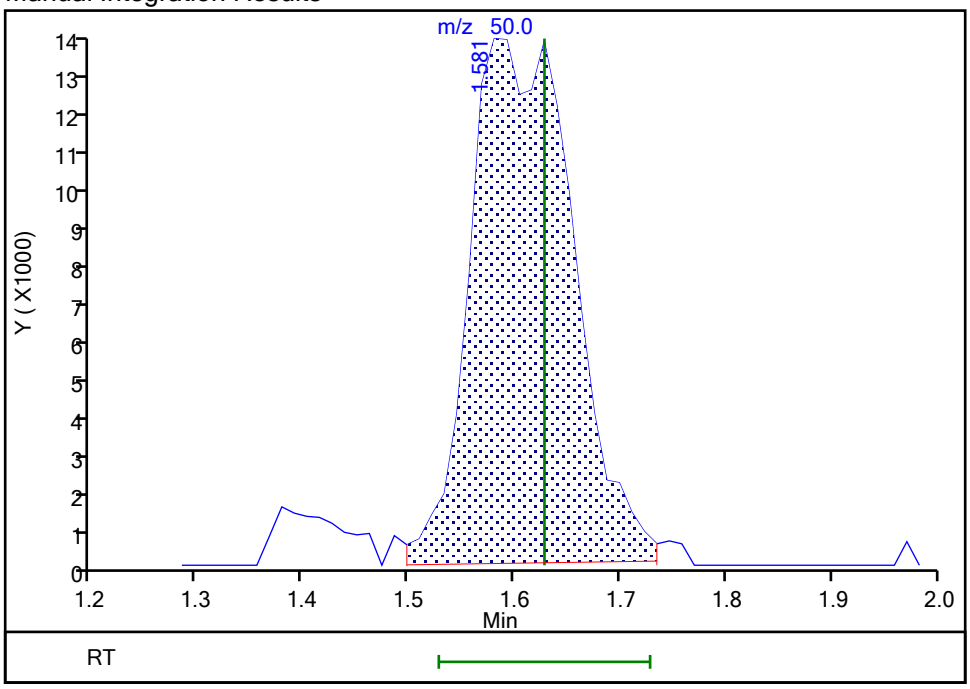
Processing Integration Results

RT: 1.63
Area: 52538
Amount: 2.269961
Amount Units: ug/l



Manual Integration Results

RT: 1.58
Area: 89518
Amount: 2.823638
Amount Units: ug/l



Reviewer: laveyt, 31-Jul-2021 12:51:23
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287163.D
Lims ID: std8260 L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 31-Jul-2021 12:49:30 ALS Bottle#: 6 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-013
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:06:07 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 31-Jul-2021 13:20:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	810819	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	481377	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	268025	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	103224	10.0	10.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	121689	10.0	10.0	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	346966	10.0	9.73	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	123068	10.0	9.73	
9 Dichlorodifluoromethane	85	1.403	1.403	0.000	99	198167	10.0	10.6	
10 Chloromethane	50	1.628	1.628	0.000	99	335951	10.0	10.6	M
11 Butadiene	54	1.640	1.640	0.000	94	219291	10.0	10.3	
12 Vinyl chloride	62	1.687	1.687	0.000	97	228108	10.0	10.5	
14 Bromomethane	94	1.924	1.924	0.000	93	150977	10.0	9.84	
15 Chloroethane	64	1.983	1.983	0.000	99	166882	10.0	9.72	
16 Dichlorofluoromethane	67	2.173	2.173	0.000	98	347808	10.0	10.0	
17 Trichlorofluoromethane	101	2.244	2.244	0.000	97	275755	10.0	10.2	
19 Ethyl ether	59	2.433	2.433	0.000	93	138592	10.0	10.3	
20 Acrolein	56	2.551	2.551	0.000	97	16720	50.0	51.5	
21 1,1-Dichloroethene	61	2.634	2.634	0.000	94	238439	10.0	10.5	
22 112TCTFE	101	2.658	2.658	0.000	96	131376	10.0	10.4	
23 Acetone	43	2.681	2.681	0.000	99	85420	20.0	23.4	
24 Iodomethane	142	2.788	2.788	0.000	100	183304	10.0	10.5	
25 Carbon disulfide	76	2.835	2.835	0.000	100	418409	10.0	10.7	
27 3-Chloro-1-propene	41	2.942	2.942	0.000	85	244352	10.0	10.5	
28 Methyl acetate	43	2.965	2.965	0.000	98	200538	20.0	19.8	
29 Methylene Chloride	49	3.048	3.048	0.000	98	202740	10.0	10.1	
30 2-Methyl-2-propanol	59	3.167	3.167	0.000	98	120691	100.0	124.4	
31 Acrylonitrile	53	3.273	3.273	0.000	98	472767	100.0	105.7	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	99	409470	10.0	10.5	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	94	218046	10.0	10.7	
34 Hexane	57	3.510	3.510	0.000	95	194382	10.0	10.0	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	96	260342	10.0	10.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	3.687	3.687	0.000	98	236847	10.0	9.94	
40 2,2-Dichloropropane	77	4.125	4.125	0.000	65	167707	10.0	11.1	
41 cis-1,2-Dichloroethene	96	4.125	4.125	0.000	85	140961	10.0	10.3	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	100	33060	20.0	21.5	
46 Chlorobromomethane	49	4.326	4.326	0.000	93	118418	10.0	10.5	
47 Tetrahydrofuran	42	4.374	4.374	0.000	91	102618	20.0	21.2	
48 Chloroform	83	4.397	4.397	0.000	95	227664	10.0	10.5	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	97	206078	10.0	10.7	
50 Cyclohexane	84	4.598	4.598	0.000	94	237070	10.0	10.3	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	89	183665	10.0	10.1	
52 Carbon tetrachloride	117	4.681	4.681	0.000	82	164003	10.0	10.6	
53 Isobutyl alcohol	41	4.788	4.788	0.000	92	169475	250.0	301.6	
54 Benzene	78	4.859	4.859	0.000	98	494776	10.0	10.3	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	161882	10.0	10.2	
57 n-Heptane	57	5.072	5.072	0.000	94	100588	10.0	9.97	
59 Trichloroethene	130	5.403	5.403	0.000	96	109870	10.0	9.88	
61 Methylcyclohexane	83	5.557	5.557	0.000	93	229479	10.0	10.3	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	87	107427	10.0	10.1	
64 Dibromomethane	174	5.699	5.699	0.000	92	55250	10.0	9.50	
65 1,4-Dioxane	88	5.711	5.711	0.000	96	28463	200.0	255.6	
66 Dichlorobromomethane	83	5.829	5.829	0.000	97	134303	10.0	10.4	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	92	128979	20.0	19.9	
69 cis-1,3-Dichloropropene	75	6.208	6.208	0.000	91	153948	10.0	9.93	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.350	0.000	98	330335	20.0	20.3	
71 Toluene	91	6.503	6.503	0.000	98	424611	10.0	10.3	
72 trans-1,3-Dichloropropene	75	6.705	6.705	0.000	98	132038	10.0	10.2	
74 Ethyl methacrylate	69	6.776	6.776	0.000	90	140152	10.0	10.5	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	95	71970	10.0	9.96	
76 Tetrachloroethene	166	6.989	6.989	0.000	94	95922	10.0	10.5	
77 1,3-Dichloropropane	76	7.012	7.012	0.000	95	147983	10.0	10.4	
78 2-Hexanone	43	7.083	7.083	0.000	99	233051	20.0	21.2	
80 Chlorodibromomethane	129	7.225	7.225	0.000	91	73579	10.0	10.3	
81 Ethylene Dibromide	107	7.332	7.332	0.000	97	79354	10.0	10.1	
83 Chlorobenzene	112	7.770	7.770	0.000	91	254285	10.0	10.2	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	92	98676	10.0	10.5	
85 Ethylbenzene	106	7.876	7.876	0.000	99	155998	10.0	10.8	
86 m-Xylene & p-Xylene	106	7.983	7.983	0.000	97	193859	10.0	10.6	
87 o-Xylene	106	8.361	8.361	0.000	98	198651	10.0	10.7	
88 Styrene	104	8.373	8.373	0.000	94	286538	10.0	10.3	
89 Bromoform	173	8.551	8.551	0.000	92	50751	10.0	10.2	
90 Isopropylbenzene	105	8.704	8.704	0.000	97	527144	10.0	10.6	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	83	140189	10.0	10.7	
92 Bromobenzene	156	9.000	9.000	0.000	98	104439	10.0	10.5	
94 1,2,3-Trichloropropane	110	9.048	9.048	0.000	86	47474	10.0	10.9	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	85	54262	10.0	11.0	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	137086	10.0	10.9	
97 2-Chlorotoluene	126	9.190	9.190	0.000	95	114911	10.0	10.7	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	95	407579	10.0	10.9	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	112108	10.0	10.6	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	316270	10.0	10.6	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	97	410905	10.0	10.8	
105 sec-Butylbenzene	105	9.805	9.805	0.000	95	478221	10.0	10.6	

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	9.923	9.923	0.000	96	207535	10.0	10.5	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	97	412132	10.0	10.7	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	92	210010	10.0	10.1	
111 n-Butylbenzene	91	10.349	10.349	0.000	98	356572	10.0	10.6	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	95	206490	10.0	10.7	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	93	29297	10.0	10.7	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	93	117496	10.0	10.8	
116 Hexachlorobutadiene	225	12.136	12.136	0.000	96	39871	10.0	10.6	
117 Naphthalene	128	12.219	12.219	0.000	98	375779	10.0	10.9	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	94	104153	10.0	10.8	
S 125 Total BTEX	1				0		50.0	52.6	
S 124 Trihalomethanes, Total	1				0		40.0	41.4	
S 126 1,2-Dichloroethene, Total	96				0			21.0	
S 127 1,3-Dichloropropene, Total	75				0			20.1	
S 128 Xylenes, Total	106				0		20.0	21.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

vm50is_stk_a_00008	Amount Added:	2.00	Units: uL
vmrgas_00394	Amount Added:	8.00	Units: uL
vmarolistdw_00402	Amount Added:	8.00	Units: uL
vmrprimw_00445	Amount Added:	8.00	Units: uL
vm50ss_00449	Amount Added:	8.00	Units: uL

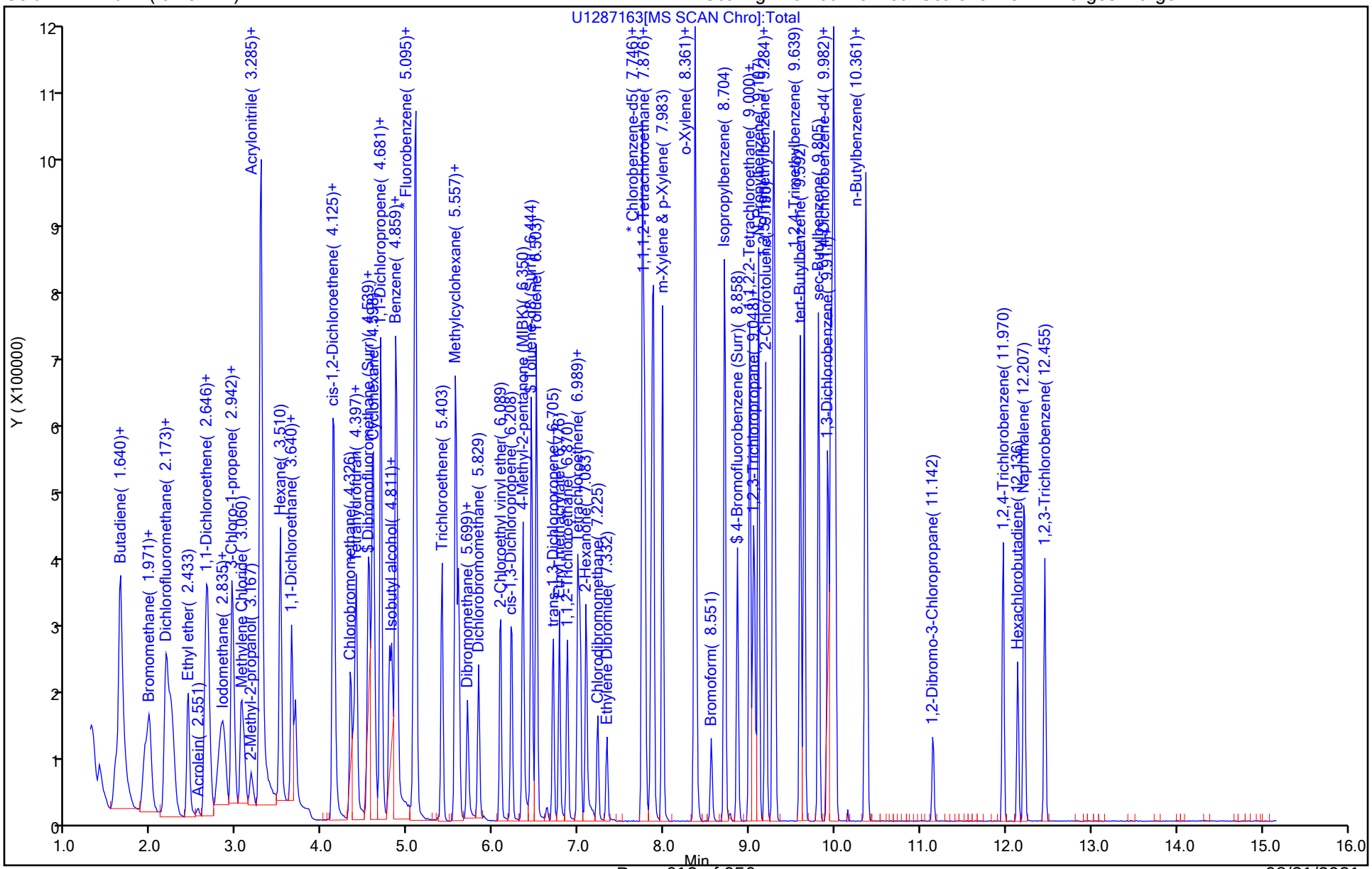
Report Date: 02-Aug-2021 14:06:09 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287163.D

Injection Date:	31-Jul-2021 12:49:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	std8260 L4			Worklist Smp#:	13
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



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

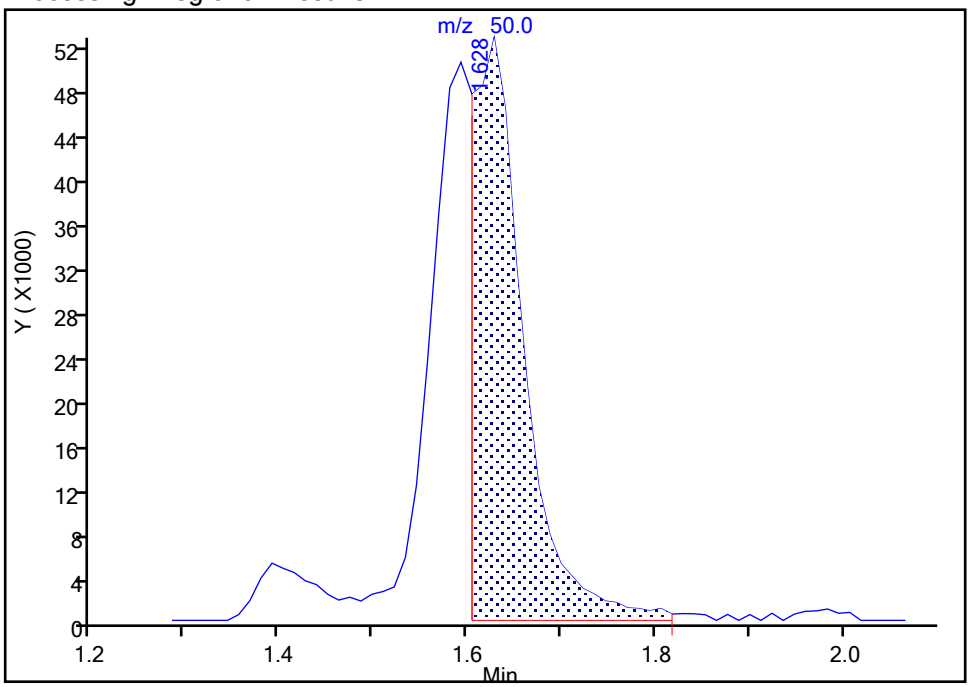
Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287163.D
Injection Date: 31-Jul-2021 12:49:30 Instrument ID: A3UX12
Lims ID: std8260 L4
Client ID:
Operator ID: 001904 ALS Bottle#: 6 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

10 Chloromethane, CAS: 74-87-3

Signal: 1

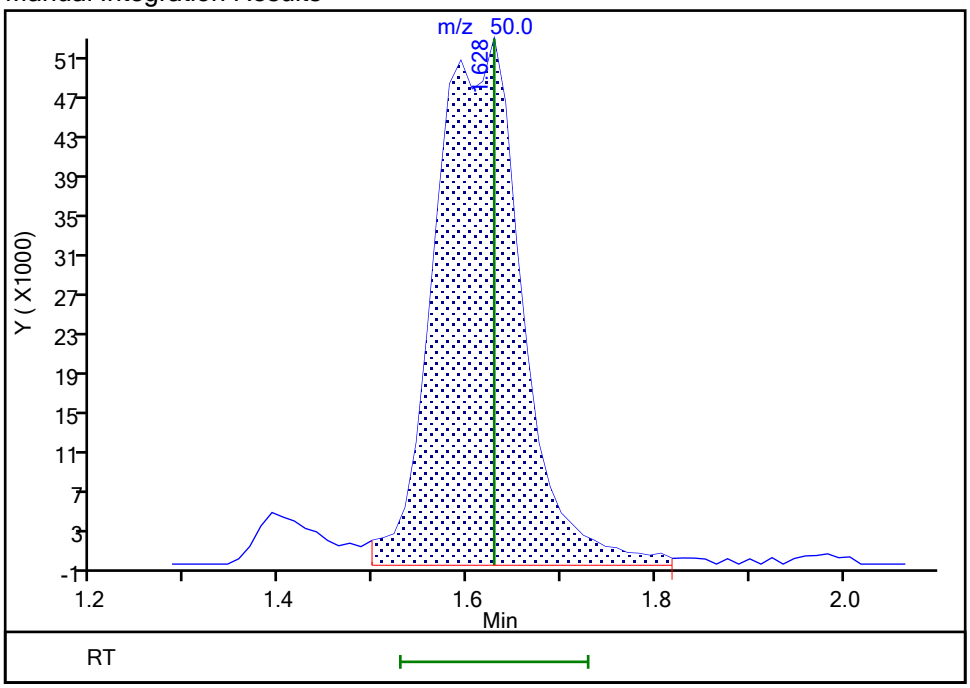
Processing Integration Results

RT: 1.63
Area: 203979
Amount: 7.776910
Amount Units: ug/l



Manual Integration Results

RT: 1.63
Area: 335951
Amount: 10.560360
Amount Units: ug/l



Reviewer: laveyt, 31-Jul-2021 13:17:40
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287164.D
Lims ID: ICIS L5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 31-Jul-2021 13:11:30 ALS Bottle#: 7 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-014
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:06:13 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 31-Jul-2021 13:31:41

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	98	816084	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	88	503211	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	96	297851	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	204008	20.0	19.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	237144	20.0	19.4	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	704525	20.0	18.9	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	251397	20.0	19.0	
9 Dichlorodifluoromethane	85	1.403	1.403	0.000	99	413692	20.0	22.0	
10 Chloromethane	50	1.628	1.628	0.000	98	696375	20.0	21.7	M
11 Butadiene	54	1.640	1.640	0.000	94	485103	20.0	22.7	
12 Vinyl chloride	62	1.676	1.676	0.000	97	488317	20.0	22.3	
14 Bromomethane	94	1.924	1.924	0.000	92	328493	20.0	21.3	
15 Chloroethane	64	1.983	1.983	0.000	100	364268	20.0	21.1	
16 Dichlorofluoromethane	67	2.173	2.173	0.000	98	739725	20.0	21.2	
17 Trichlorofluoromethane	101	2.244	2.244	0.000	98	611422	20.0	22.4	
19 Ethyl ether	59	2.433	2.433	0.000	94	274519	20.0	20.3	
20 Acrolein	56	2.551	2.551	0.000	95	34041	100.0	104.1	
21 1,1-Dichloroethene	61	2.634	2.634	0.000	94	501531	20.0	21.8	
22 112TCTFE	101	2.658	2.658	0.000	95	281532	20.0	22.2	
23 Acetone	43	2.681	2.681	0.000	98	160152	40.0	45.6	
24 Iodomethane	142	2.788	2.788	0.000	100	375452	20.0	21.3	
25 Carbon disulfide	76	2.835	2.835	0.000	100	861920	20.0	21.9	
27 3-Chloro-1-propene	41	2.942	2.942	0.000	86	482663	20.0	20.5	
28 Methyl acetate	43	2.965	2.965	0.000	99	384855	40.0	37.8	
29 Methylene Chloride	49	3.048	3.048	0.000	98	398223	20.0	19.8	
30 2-Methyl-2-propanol	59	3.167	3.167	0.000	98	218088	200.0	232.3	
31 Acrylonitrile	53	3.273	3.273	0.000	99	863390	200.0	191.8	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	99	791300	20.0	20.2	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	96	443372	20.0	21.6	
34 Hexane	57	3.510	3.510	0.000	95	428257	20.0	21.9	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	96	536483	20.0	21.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	3.687	3.687	0.000	98	469575	20.0	19.6	
41 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	85	286398	20.0	20.8	
40 2,2-Dichloropropane	77	4.125	4.125	0.000	64	326021	20.0	21.5	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	100	62505	40.0	40.4	
46 Chlorobromomethane	49	4.326	4.326	0.000	94	226224	20.0	19.8	
47 Tetrahydrofuran	42	4.373	4.373	0.000	87	190626	40.0	39.0	
48 Chloroform	83	4.397	4.397	0.000	96	448614	20.0	20.6	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	97	425539	20.0	22.0	
50 Cyclohexane	84	4.598	4.598	0.000	93	518329	20.0	22.4	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	89	384040	20.0	21.0	
52 Carbon tetrachloride	117	4.681	4.681	0.000	80	346930	20.0	22.3	
53 Isobutyl alcohol	41	4.788	4.788	0.000	93	295049	500.0	521.6	
54 Benzene	78	4.859	4.859	0.000	98	973639	20.0	20.1	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	324742	20.0	20.3	
57 n-Heptane	57	5.072	5.072	0.000	93	173999	20.0	20.4	
59 Trichloroethene	130	5.403	5.403	0.000	96	223284	20.0	20.0	
61 Methylcyclohexane	83	5.557	5.557	0.000	94	502506	20.0	22.5	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	91	211979	20.0	19.9	
64 Dibromomethane	174	5.699	5.699	0.000	94	117288	20.0	20.0	
65 1,4-Dioxane	88	5.711	5.711	0.000	96	44455	400.0	387.8	
66 Dichlorobromomethane	83	5.829	5.829	0.000	98	261036	20.0	20.1	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	93	251826	40.0	38.6	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	91	302606	20.0	19.4	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.350	0.000	98	656885	40.0	40.1	
71 Toluene	91	6.503	6.503	0.000	98	877458	20.0	20.3	
72 trans-1,3-Dichloropropene	75	6.705	6.705	0.000	99	268748	20.0	19.8	
74 Ethyl methacrylate	69	6.776	6.776	0.000	90	280071	20.0	20.1	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	95	152435	20.0	20.2	
76 Tetrachloroethene	166	6.989	6.989	0.000	94	201694	20.0	21.2	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	94	299495	20.0	20.0	
78 2-Hexanone	43	7.083	7.083	0.000	99	444183	40.0	38.6	
80 Chlorodibromomethane	129	7.225	7.225	0.000	91	150357	20.0	20.2	
81 Ethylene Dibromide	107	7.332	7.332	0.000	98	161550	20.0	19.6	
83 Chlorobenzene	112	7.770	7.770	0.000	91	510479	20.0	19.6	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	92	203492	20.0	20.7	
85 Ethylbenzene	106	7.876	7.876	0.000	99	319079	20.0	21.1	
86 m-Xylene & p-Xylene	106	7.983	7.983	0.000	98	392277	20.0	20.5	
87 o-Xylene	106	8.361	8.361	0.000	98	403674	20.0	20.8	
88 Styrene	104	8.373	8.373	0.000	95	592860	20.0	20.5	
89 Bromoform	173	8.550	8.550	0.000	93	108746	20.0	20.8	
90 Isopropylbenzene	105	8.704	8.704	0.000	97	1111750	20.0	21.4	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	82	283737	20.0	19.5	
92 Bromobenzene	156	9.000	9.000	0.000	98	210344	20.0	19.1	
94 1,2,3-Trichloropropane	110	9.047	9.047	0.000	90	91792	20.0	19.0	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	88	105987	20.0	19.4	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	286624	20.0	20.5	
97 2-Chlorotoluene	126	9.189	9.189	0.000	95	236250	20.0	19.8	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	95	860193	20.0	20.8	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	231751	20.0	19.8	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	688940	20.0	20.8	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	863789	20.0	20.5	
105 sec-Butylbenzene	105	9.805	9.805	0.000	95	1062714	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	9.923	9.923	0.000	97	425047	20.0	19.3	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	97	898729	20.0	21.0	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	92	431969	20.0	18.7	
111 n-Butylbenzene	91	10.349	10.349	0.000	98	781873	20.0	21.0	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	95	425817	20.0	19.8	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	92	61550	20.0	20.1	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	94	244991	20.0	20.2	
116 Hexachlorobutadiene	225	12.136	12.136	0.000	97	92680	20.0	22.1	
117 Naphthalene	128	12.219	12.219	0.000	98	781994	20.0	20.3	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	94	219068	20.0	20.5	
S 125 Total BTEX	1				0		100.0	102.9	
S 124 Trihalomethanes, Total	1				0		80.0	81.7	
S 128 Xylenes, Total	106				0		40.0	41.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

vm50is_stk_a_00008	Amount Added:	2.00	Units: uL
vmrgas_00394	Amount Added:	16.00	Units: uL
vmarolistdw_00402	Amount Added:	16.00	Units: uL
vmrprimw_00445	Amount Added:	16.00	Units: uL
vm50ss_00449	Amount Added:	16.00	Units: uL

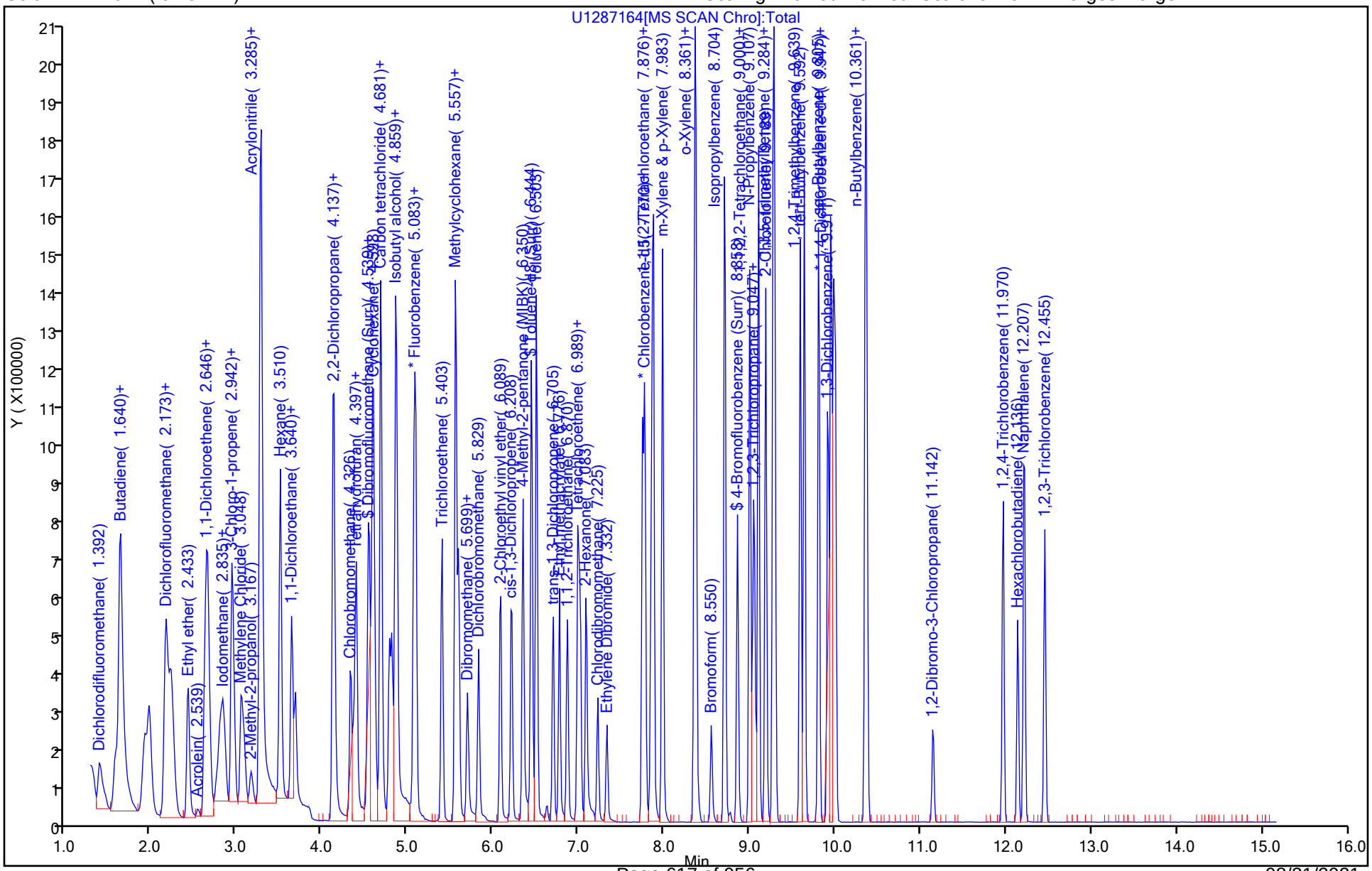
Report Date: 02-Aug-2021 14:06:16 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287164.D

Injection Date:	31-Jul-2021 13:11:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	ICIS L5			Worklist Smp#:	14
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

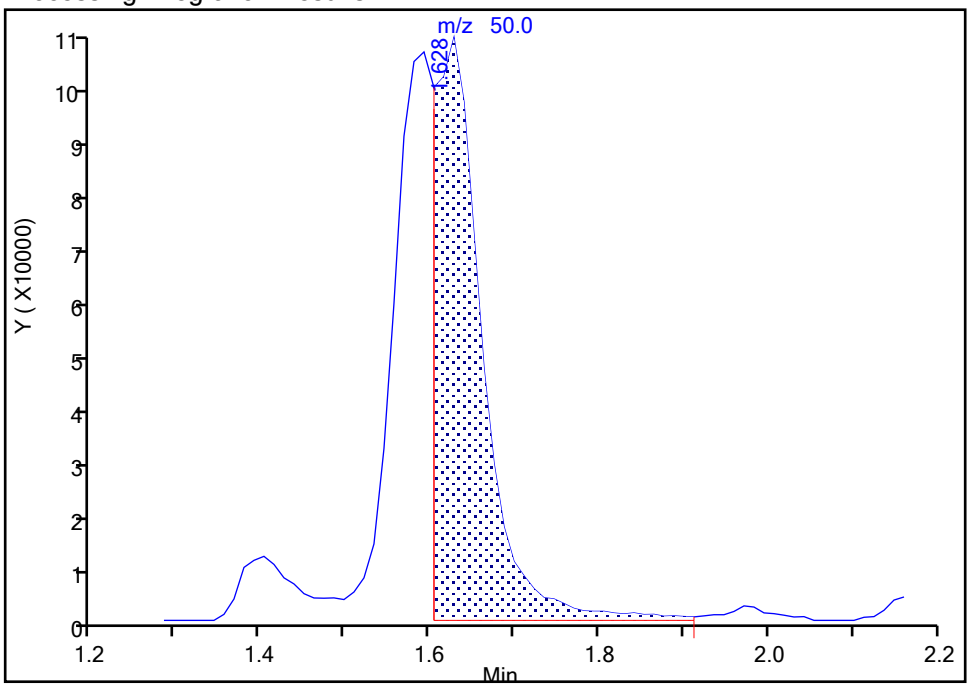
Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287164.D
Injection Date: 31-Jul-2021 13:11:30 Instrument ID: A3UX12
Lims ID: ICIS L5
Client ID:
Operator ID: 001904 ALS Bottle#: 7 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

10 Chloromethane, CAS: 74-87-3

Signal: 1

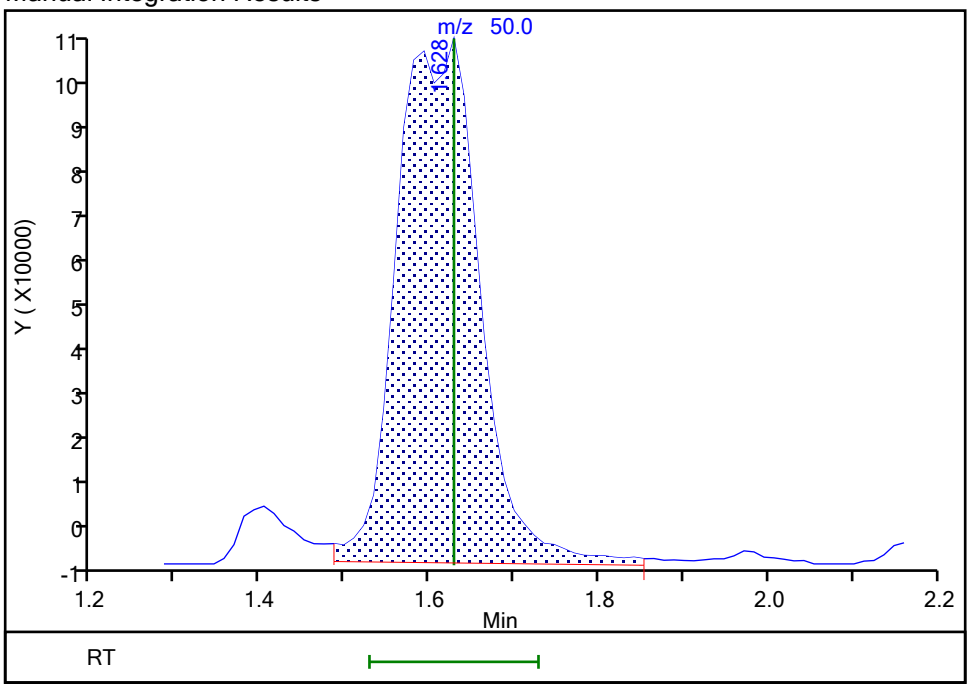
Processing Integration Results

RT: 1.63
Area: 416568
Amount: 13.500093
Amount Units: ug/l



Manual Integration Results

RT: 1.63
Area: 696375
Amount: 21.748786
Amount Units: ug/l



Reviewer: laveyt, 31-Jul-2021 13:29:08
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287165.D
Lims ID: std8260 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 31-Jul-2021 13:33:30 ALS Bottle#: 8 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-015
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:06:21 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 31-Jul-2021 13:55:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	898504	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	88	551791	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	96	308451	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	451037	40.0	39.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	515721	40.0	38.3	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	1561854	40.0	38.2	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	537017	40.0	37.0	
9 Dichlorodifluoromethane	85	1.392	1.403	-0.011	99	866883	40.0	41.9	
10 Chloromethane	50	1.628	1.628	0.000	99	1353297	40.0	38.4	M
11 Butadiene	54	1.640	1.640	0.000	93	962879	40.0	40.9	
12 Vinyl chloride	62	1.687	1.676	0.011	97	1014594	40.0	42.2	
14 Bromomethane	94	1.936	1.924	0.012	92	707836	40.0	41.6	
15 Chloroethane	64	1.971	1.983	-0.012	100	791953	40.0	41.6	
16 Dichlorofluoromethane	67	2.184	2.173	0.011	98	1556463	40.0	40.6	
17 Trichlorofluoromethane	101	2.244	2.244	0.000	97	1272620	40.0	42.3	
19 Ethyl ether	59	2.433	2.433	0.000	94	606830	40.0	40.8	
20 Acrolein	56	2.551	2.551	0.000	99	79369	200.0	220.5	
21 1,1-Dichloroethene	61	2.646	2.634	0.012	94	1030021	40.0	40.7	
22 112TCTFE	101	2.658	2.658	0.000	96	588383	40.0	42.1	
23 Acetone	43	2.681	2.681	0.000	98	298182	80.0	78.7	
24 Iodomethane	142	2.788	2.788	0.000	100	769309	40.0	39.7	
25 Carbon disulfide	76	2.859	2.835	0.024	100	1707072	40.0	39.4	
27 3-Chloro-1-propene	41	2.942	2.942	0.000	84	1003718	40.0	38.8	
28 Methyl acetate	43	2.965	2.965	0.000	98	786840	80.0	70.2	
29 Methylene Chloride	49	3.072	3.048	0.024	98	832225	40.0	37.5	
30 2-Methyl-2-propanol	59	3.167	3.167	0.000	99	376737	400.0	370.8	
31 Acrylonitrile	53	3.273	3.273	0.000	99	1932962	400.0	390.1	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	99	1710298	40.0	39.7	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	96	913971	40.0	40.5	
34 Hexane	57	3.510	3.510	0.000	95	891313	40.0	41.5	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	96	1101556	40.0	40.0	

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	98	985435	40.0	37.3	
40 2,2-Dichloropropane	77	4.125	4.125	0.000	61	675742	40.0	40.5	
41 cis-1,2-Dichloroethene	96	4.125	4.137	-0.012	85	583682	40.0	38.5	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	100	130392	80.0	76.6	
46 Chlorobromomethane	49	4.326	4.326	0.000	94	481176	40.0	38.3	
47 Tetrahydrofuran	42	4.374	4.373	0.001	89	380882	80.0	70.8	
48 Chloroform	83	4.397	4.397	0.000	96	949869	40.0	39.6	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	97	875792	40.0	41.1	
50 Cyclohexane	84	4.598	4.598	0.000	94	1028972	40.0	40.5	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	89	822027	40.0	40.9	
52 Carbon tetrachloride	117	4.681	4.681	0.000	79	732736	40.0	42.7	
53 Isobutyl alcohol	41	4.788	4.788	0.000	92	534361	1000.0	858.1	
54 Benzene	78	4.859	4.859	0.000	99	2111603	40.0	39.6	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	694275	40.0	39.5	
57 n-Heptane	57	5.072	5.072	0.000	93	341386	40.0	39.9	
59 Trichloroethene	130	5.403	5.403	0.000	96	498372	40.0	40.5	
61 Methylcyclohexane	83	5.557	5.557	0.000	94	1022843	40.0	41.6	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	91	475413	40.0	40.4	
64 Dibromomethane	174	5.699	5.699	0.000	94	261946	40.0	40.6	
65 1,4-Dioxane	88	5.711	5.711	0.000	96	97072	800.0	753.3	
66 Dichlorobromomethane	83	5.829	5.829	0.000	97	586234	40.0	41.0	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	93	547864	80.0	76.2	
69 cis-1,3-Dichloropropene	75	6.220	6.219	0.001	91	679115	40.0	39.5	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.350	0.000	98	1372889	80.0	76.0	
71 Toluene	91	6.503	6.503	0.000	98	1902578	40.0	40.1	
72 trans-1,3-Dichloropropene	75	6.705	6.705	0.000	98	596337	40.0	40.2	
74 Ethyl methacrylate	69	6.776	6.776	0.000	90	602389	40.0	39.4	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	94	329275	40.0	39.8	
76 Tetrachloroethene	166	6.989	6.989	0.000	95	433456	40.0	41.5	
77 1,3-Dichloropropane	76	7.012	7.024	-0.012	95	637718	40.0	38.9	
78 2-Hexanone	43	7.083	7.083	0.000	99	882369	80.0	70.0	
80 Chlorodibromomethane	129	7.225	7.225	0.000	90	343485	40.0	42.1	
81 Ethylene Dibromide	107	7.332	7.332	0.000	97	343705	40.0	38.1	
83 Chlorobenzene	112	7.770	7.770	0.000	92	1103260	40.0	38.7	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	93	440602	40.0	40.9	
85 Ethylbenzene	106	7.876	7.876	0.000	99	678065	40.0	40.9	
86 m-Xylene & p-Xylene	106	7.983	7.983	0.001	97	828454	40.0	39.6	
87 o-Xylene	106	8.361	8.361	0.000	98	860909	40.0	40.4	
88 Styrene	104	8.373	8.373	0.000	95	1280065	40.0	40.3	
89 Bromoform	173	8.551	8.550	0.001	94	240298	40.0	42.0	
90 Isopropylbenzene	105	8.704	8.704	0.000	97	2331669	40.0	40.8	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	82	588332	40.0	39.0	
92 Bromobenzene	156	9.000	9.000	0.000	98	442017	40.0	38.7	
94 1,2,3-Trichloropropane	110	9.048	9.047	0.001	89	188639	40.0	37.7	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	84	222356	40.0	39.3	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	600210	40.0	41.5	
97 2-Chlorotoluene	126	9.190	9.189	0.001	95	492536	40.0	39.8	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	95	1816706	40.0	42.3	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	483932	40.0	39.9	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	1484118	40.0	43.2	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	1813781	40.0	41.6	
105 sec-Butylbenzene	105	9.805	9.805	0.000	95	2211578	40.0	42.5	

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	9.923	9.923	0.000	97	893507	40.0	39.2	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	97	1871654	40.0	42.2	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	92	906160	40.0	37.9	
111 n-Butylbenzene	91	10.349	10.349	0.000	98	1611825	40.0	41.8	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	98	883505	40.0	39.6	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	93	136210	40.0	43.0	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	93	531099	40.0	42.3	
116 Hexachlorobutadiene	225	12.136	12.136	0.000	97	196332	40.0	45.3	
117 Naphthalene	128	12.219	12.219	0.000	98	1669667	40.0	42.0	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	94	466168	40.0	42.0	
S 125 Total BTEX	1				0		200.0	200.7	
S 124 Trihalomethanes, Total	1				0		160.0	164.7	
S 126 1,2-Dichloroethene, Total	96				0			79.0	
S 127 1,3-Dichloropropene, Total	75				0			79.7	
S 128 Xylenes, Total	106				0		80.0	80.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

vm50is_stk_a_00008	Amount Added:	2.00	Units: uL
vmrgas_00394	Amount Added:	32.00	Units: uL
vmarolistdw_00402	Amount Added:	32.00	Units: uL
vmrprimw_00445	Amount Added:	32.00	Units: uL
vm50ss_00449	Amount Added:	32.00	Units: uL

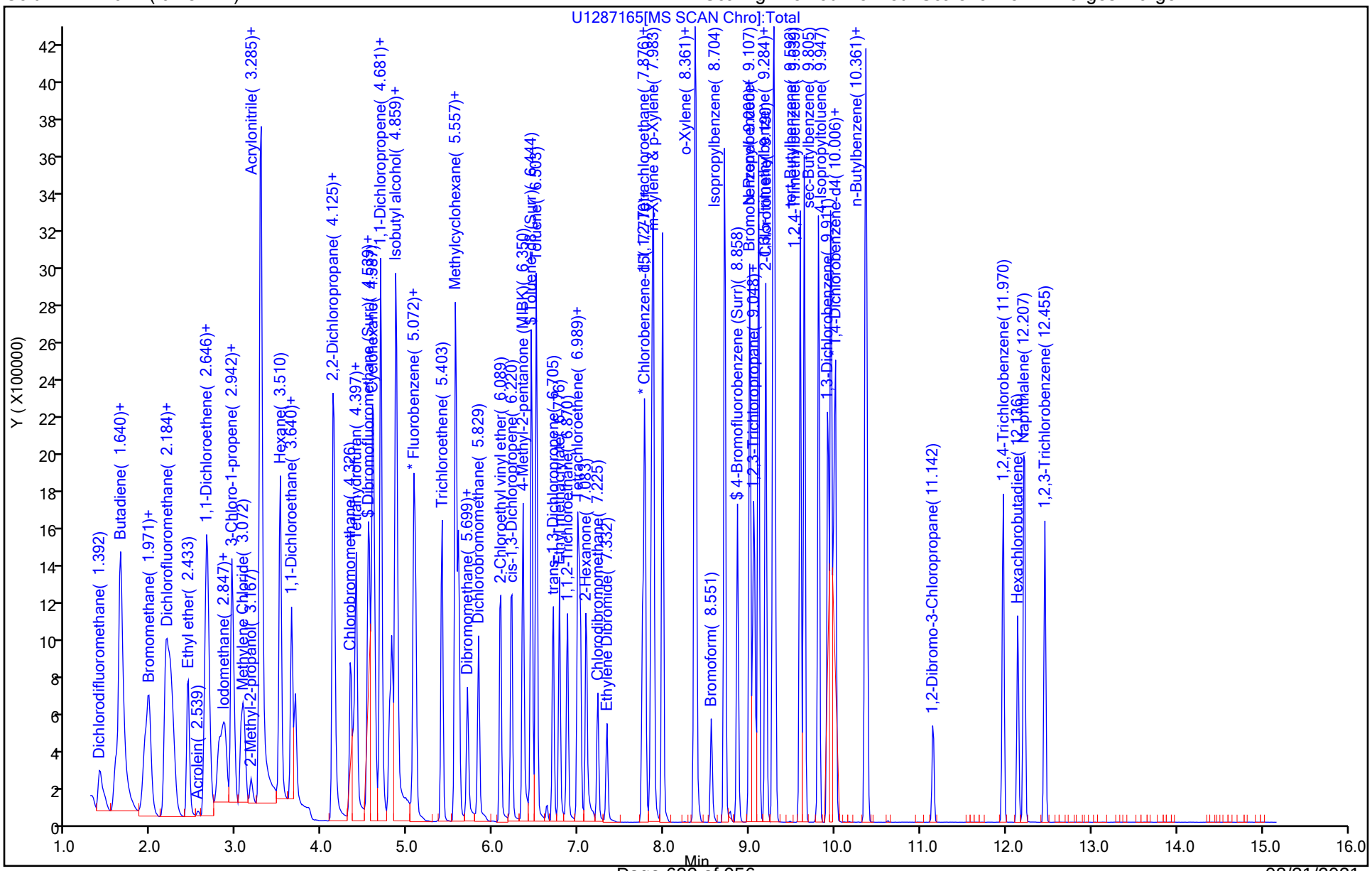
Report Date: 02-Aug-2021 14:06:24 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287165.D

Injection Date:	31-Jul-2021 13:33:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	std8260 L6			Worklist Smp#:	15
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



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

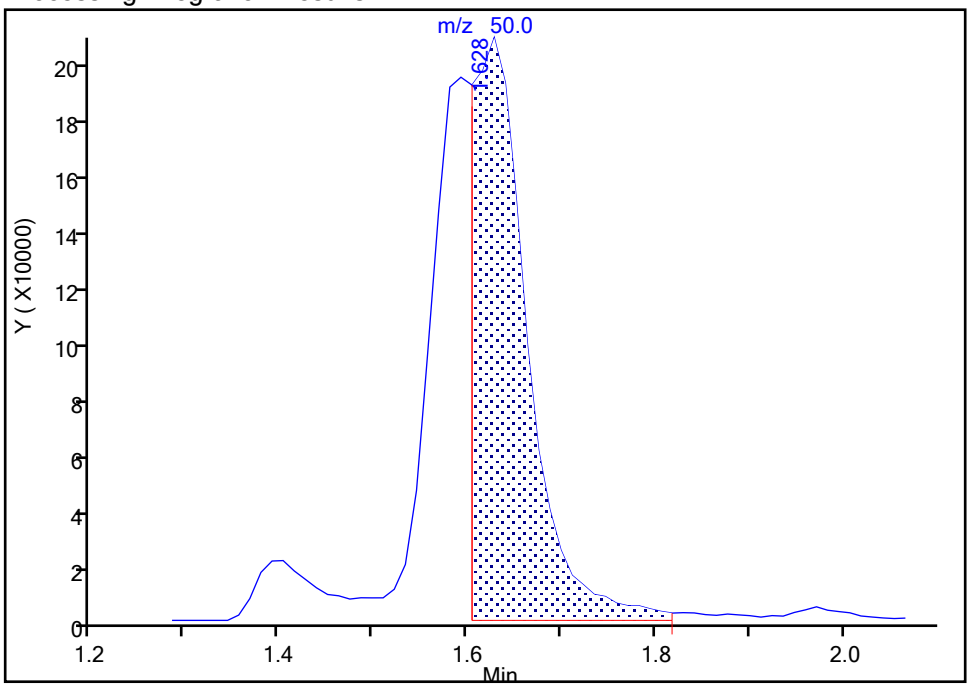
Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287165.D
Injection Date: 31-Jul-2021 13:33:30 Instrument ID: A3UX12
Lims ID: std8260 L6
Client ID:
Operator ID: 001904 ALS Bottle#: 8 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

10 Chloromethane, CAS: 74-87-3

Signal: 1

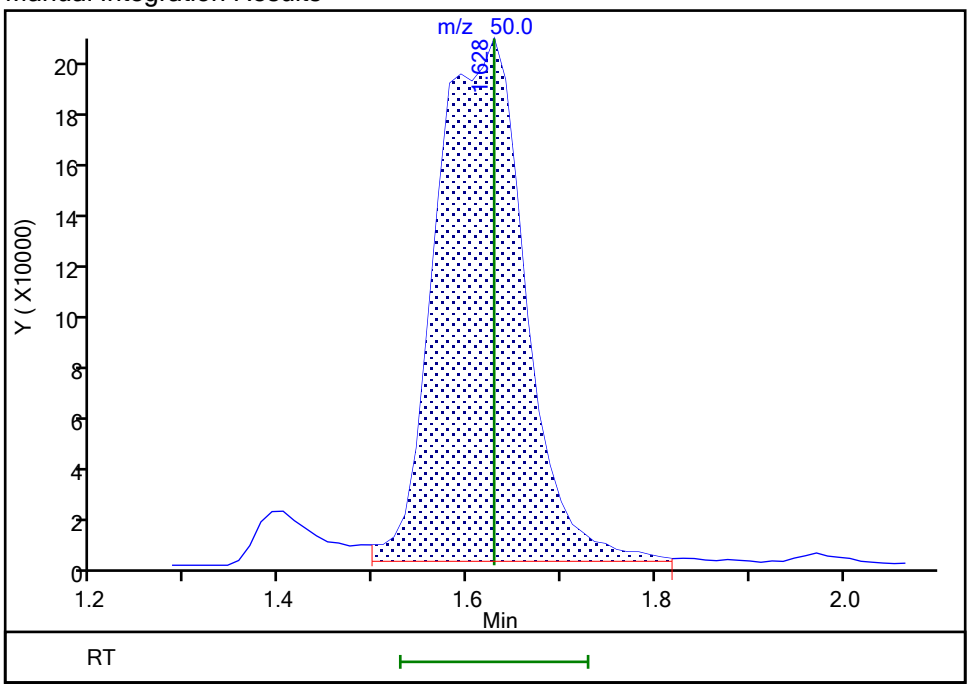
Processing Integration Results

RT: 1.63
Area: 874297
Amount: 25.246394
Amount Units: ug/l



Manual Integration Results

RT: 1.63
Area: 1353297
Amount: 38.388383
Amount Units: ug/l



Reviewer: laveyt, 31-Jul-2021 13:54:01
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287166.D
Lims ID: std8260 L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 31-Jul-2021 13:55:30 ALS Bottle#: 9 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-016
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:06:29 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 31-Jul-2021 14:48:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	1004728	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	88	651292	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	96	393930	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	93	719584	60.0	56.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	860680	60.0	57.1	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	2749425	60.0	57.0	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	86	981556	60.0	57.4	
9 Dichlorodifluoromethane	85	1.403	1.403	0.000	99	1198418	60.0	51.8	
10 Chloromethane	50	1.628	1.628	0.000	99	2042943	60.0	51.8	M
11 Butadiene	54	1.640	1.640	0.000	93	1393982	60.0	53.0	
12 Vinyl chloride	62	1.676	1.676	0.000	98	1475537	60.0	54.8	
14 Bromomethane	94	1.924	1.924	0.000	91	1192562	60.0	62.7	
15 Chloroethane	64	1.971	1.983	-0.012	100	1337613	60.0	62.9	
16 Dichlorofluoromethane	67	2.173	2.173	0.000	98	2473641	60.0	57.7	
17 Trichlorofluoromethane	101	2.244	2.244	0.000	97	1927575	60.0	57.3	
19 Ethyl ether	59	2.433	2.433	0.000	94	950357	60.0	57.1	
20 Acrolein	56	2.551	2.551	0.000	99	136948	300.0	340.3	
21 1,1-Dichloroethene	61	2.646	2.634	0.012	95	1612641	60.0	57.0	
22 112TCTFE	101	2.658	2.658	0.000	96	874200	60.0	56.0	
23 Acetone	43	2.693	2.681	0.012	98	496760	120.0	118.4	
24 Iodomethane	142	2.788	2.788	0.000	100	1205758	60.0	55.6	
25 Carbon disulfide	76	2.847	2.835	0.012	99	2653249	60.0	54.8	
27 3-Chloro-1-propene	41	2.942	2.942	0.000	85	1551571	60.0	53.6	
28 Methyl acetate	43	2.965	2.965	0.000	98	1356831	120.0	108.3	
29 Methylene Chloride	49	3.072	3.048	0.024	98	1295514	60.0	52.2	
30 2-Methyl-2-propanol	59	3.178	3.167	0.011	99	690126	600.0	614.6	
31 Acrylonitrile	53	3.273	3.273	0.000	98	3176359	600.0	573.3	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	98	2683201	60.0	55.7	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	95	1416398	60.0	56.1	
34 Hexane	57	3.510	3.510	0.000	94	1379959	60.0	57.4	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	96	1717521	60.0	55.8	

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	98	1719989	60.0	58.2	
40 2,2-Dichloropropane	77	4.125	4.125	0.000	60	1014459	60.0	54.3	
41 cis-1,2-Dichloroethene	96	4.125	4.137	-0.012	85	924203	60.0	54.5	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	100	254623	120.0	133.7	
46 Chlorobromomethane	49	4.326	4.326	0.000	94	756594	60.0	53.9	
47 Tetrahydrofuran	42	4.374	4.373	0.001	89	717859	120.0	119.4	
48 Chloroform	83	4.397	4.397	0.000	96	1509946	60.0	56.2	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	98	1380808	60.0	58.0	
50 Cyclohexane	84	4.598	4.598	0.000	94	1532406	60.0	53.9	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	90	1325823	60.0	59.0	
52 Carbon tetrachloride	117	4.681	4.681	0.000	77	1149233	60.0	59.9	
53 Isobutyl alcohol	41	4.788	4.788	0.000	94	995777	1500.0	1430.0	
54 Benzene	78	4.859	4.859	0.000	98	3486850	60.0	58.5	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	1162817	60.0	59.1	
57 n-Heptane	57	5.072	5.072	0.000	93	543827	60.0	58.8	
59 Trichloroethene	130	5.403	5.403	0.000	96	834980	60.0	60.6	
61 Methylcyclohexane	83	5.557	5.557	0.000	94	1538583	60.0	56.0	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	92	817823	60.0	62.2	
64 Dibromomethane	174	5.699	5.699	0.000	94	445232	60.0	61.8	
65 1,4-Dioxane	88	5.722	5.711	0.011	98	168941	1200.0	1163.5	
66 Dichlorobromomethane	83	5.829	5.829	0.000	98	1006439	60.0	63.0	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	93	1108403	120.0	137.9	
69 cis-1,3-Dichloropropene	75	6.208	6.219	-0.011	91	1256842	60.0	65.4	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.350	0.000	98	2470689	120.0	122.4	
71 Toluene	91	6.503	6.503	0.000	98	3233192	60.0	57.8	
72 trans-1,3-Dichloropropene	75	6.705	6.705	0.000	98	1161395	60.0	66.3	
74 Ethyl methacrylate	69	6.776	6.776	0.000	90	1142898	60.0	63.3	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	95	600498	60.0	61.4	
76 Tetrachloroethene	166	6.989	6.989	0.000	95	745729	60.0	60.5	
77 1,3-Dichloropropane	76	7.012	7.024	-0.012	95	1193519	60.0	61.7	
78 2-Hexanone	43	7.083	7.083	0.000	99	1837076	120.0	123.4	
80 Chlorodibromomethane	129	7.225	7.225	0.000	90	645668	60.0	67.0	
81 Ethylene Dibromide	107	7.332	7.332	0.000	98	648579	60.0	60.9	
83 Chlorobenzene	112	7.770	7.770	0.000	92	1952881	60.0	58.1	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	93	736567	60.0	57.9	
85 Ethylbenzene	106	7.876	7.876	0.000	99	1161420	60.0	59.4	
86 m-Xylene & p-Xylene	106	7.983	7.983	0.001	98	1447088	60.0	58.6	
87 o-Xylene	106	8.361	8.361	0.000	97	1469511	60.0	58.4	
88 Styrene	104	8.373	8.373	0.000	94	2367899	60.0	63.2	
89 Bromoform	173	8.551	8.550	0.001	94	455988	60.0	67.5	
90 Isopropylbenzene	105	8.704	8.704	0.000	97	3905953	60.0	58.0	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	81	1042624	60.0	54.1	
92 Bromobenzene	156	9.000	9.000	0.000	98	805080	60.0	55.2	
94 1,2,3-Trichloropropane	110	9.048	9.047	0.001	86	345085	60.0	54.1	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	91	414864	60.0	57.5	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	1014258	60.0	54.9	
97 2-Chlorotoluene	126	9.190	9.189	0.001	95	866187	60.0	54.8	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	3132089	60.0	57.2	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	884353	60.0	57.2	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	2649863	60.0	60.4	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	3149648	60.0	56.5	
105 sec-Butylbenzene	105	9.805	9.805	0.000	95	3727549	60.0	56.1	

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	9.923	9.923	0.000	98	1638575	60.0	56.3	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	97	3233056	60.0	57.1	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	92	1685375	60.0	55.2	
111 n-Butylbenzene	91	10.349	10.349	0.000	98	2693670	60.0	54.7	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	95	1561055	60.0	54.8	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	95	233133	60.0	57.7	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	93	824599	60.0	51.4	
116 Hexachlorobutadiene	225	12.136	12.136	0.000	96	261594	60.0	47.2	
117 Naphthalene	128	12.219	12.219	0.000	98	2546277	60.0	50.1	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	94	706951	60.0	49.9	
S 125 Total BTEX	1				0		300.0	292.7	
S 124 Trihalomethanes, Total	1				0		240.0	253.7	
S 126 1,2-Dichloroethene, Total	96				0			110.6	
S 127 1,3-Dichloropropene, Total	75				0			131.7	
S 128 Xylenes, Total	106				0		120.0	117.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

vm50is_stk_a_00008	Amount Added:	2.00	Units: uL
vmrgas_00394	Amount Added:	48.00	Units: uL
vmarolistdw_00402	Amount Added:	48.00	Units: uL
vmrprimw_00445	Amount Added:	48.00	Units: uL
vm50ss_00449	Amount Added:	48.00	Units: uL

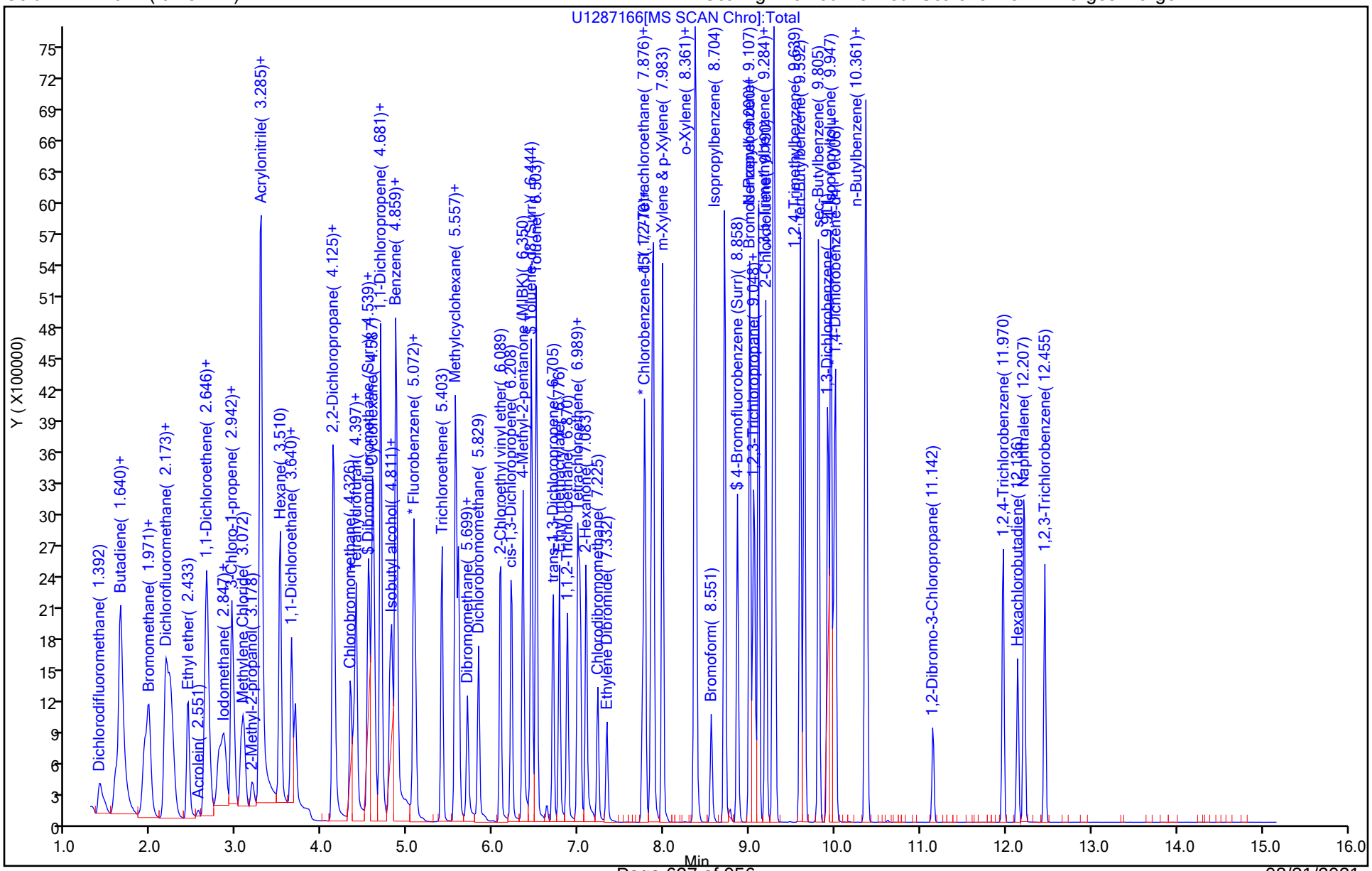
Report Date: 02-Aug-2021 14:06:32 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287166.D

Injection Date:	31-Jul-2021 13:55:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	std8260 L7			Worklist Smp#:	16
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

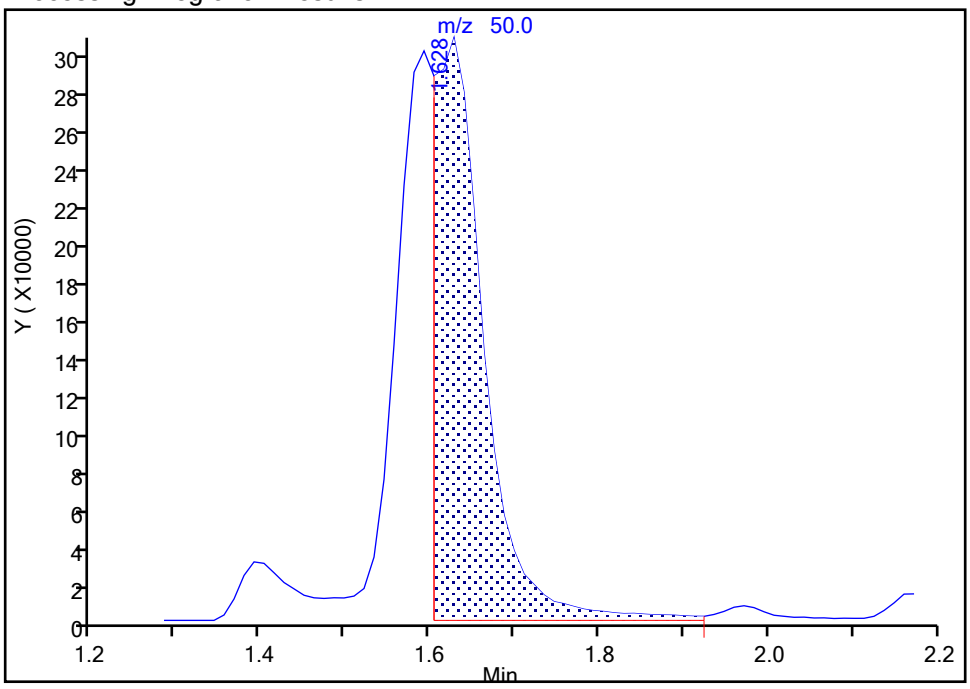
Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287166.D
Injection Date: 31-Jul-2021 13:55:30 Instrument ID: A3UX12
Lims ID: std8260 L7
Client ID:
Operator ID: 001904 ALS Bottle#: 9 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

10 Chloromethane, CAS: 74-87-3

Signal: 1

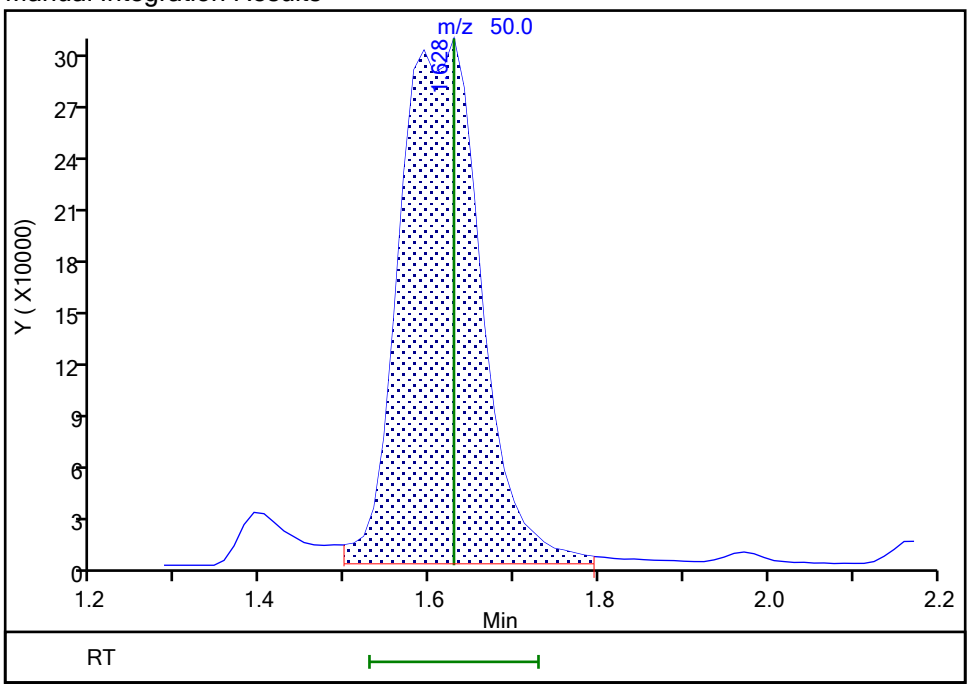
Processing Integration Results

RT: 1.63
Area: 1295019
Amount: 36.400305
Amount Units: ug/l



Manual Integration Results

RT: 1.63
Area: 2042943
Amount: 51.824422
Amount Units: ug/l



Reviewer: laveyt, 31-Jul-2021 14:46:42
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287167.D
Lims ID: std8260 L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 31-Jul-2021 14:17:30 ALS Bottle#: 10 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-017
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:06:36 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 31-Jul-2021 14:50:09

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	98	1010995	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	671339	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	96	408139	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	901515	80.0	70.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	96	1037497	80.0	68.5	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	3699278	80.0	74.4	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	86	1354196	80.0	76.8	
9 Dichlorodifluoromethane	85	1.391	1.403	-0.012	99	1726140	80.0	74.1	
10 Chloromethane	50	1.628	1.628	0.000	98	2807804	80.0	70.8	M
11 Butadiene	54	1.640	1.640	0.000	94	1926994	80.0	72.8	
12 Vinyl chloride	62	1.675	1.676	-0.001	98	2024410	80.0	74.7	
14 Bromomethane	94	1.924	1.924	0.000	92	1725096	80.0	90.2	
15 Chloroethane	64	1.971	1.983	-0.012	100	1963780	80.0	91.7	
16 Dichlorofluoromethane	67	2.172	2.173	-0.001	98	3580110	80.0	82.9	
17 Trichlorofluoromethane	101	2.232	2.244	-0.012	98	2882812	80.0	85.1	
19 Ethyl ether	59	2.421	2.433	-0.012	94	1229286	80.0	73.4	
20 Acrolein	56	2.551	2.551	0.000	99	164458	400.0	406.1	
21 1,1-Dichloroethene	61	2.634	2.634	0.000	94	2288221	80.0	80.4	
22 112TCTFE	101	2.646	2.658	-0.012	95	1257025	80.0	80.0	
23 Acetone	43	2.693	2.681	0.012	98	650557	160.0	154.8	
24 Iodomethane	142	2.788	2.788	0.000	100	1629958	80.0	74.7	
25 Carbon disulfide	76	2.847	2.835	0.012	100	3558964	80.0	73.0	
27 3-Chloro-1-propene	41	2.942	2.942	0.000	85	1971372	80.0	67.7	
28 Methyl acetate	43	2.965	2.965	0.000	98	1640211	160.0	130.1	
29 Methylene Chloride	49	3.072	3.048	0.024	98	1691690	80.0	67.8	
30 2-Methyl-2-propanol	59	3.190	3.167	0.023	98	860115	800.0	763.9	
31 Acrylonitrile	53	3.273	3.273	0.000	98	3984200	800.0	714.6	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	98	3574318	80.0	73.7	
32 trans-1,2-Dichloroethene	61	3.273	3.285	-0.012	97	1852907	80.0	72.9	
34 Hexane	57	3.510	3.510	0.000	95	1939544	80.0	80.2	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	96	2231830	80.0	72.1	

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	98	2245564	80.0	75.6	
40 2,2-Dichloropropane	77	4.125	4.125	0.000	63	1252583	80.0	66.6	
41 cis-1,2-Dichloroethene	96	4.125	4.137	-0.012	85	1219609	80.0	71.5	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	100	328348	160.0	171.3	
46 Chlorobromomethane	49	4.326	4.326	0.000	95	886992	80.0	62.8	
47 Tetrahydrofuran	42	4.373	4.373	0.000	89	905969	160.0	149.8	
48 Chloroform	83	4.397	4.397	0.000	96	1922967	80.0	71.2	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	98	1884659	80.0	78.7	
50 Cyclohexane	84	4.598	4.598	0.000	94	2131223	80.0	74.5	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	90	1805326	80.0	79.8	
52 Carbon tetrachloride	117	4.681	4.681	0.000	77	1574566	80.0	81.6	
53 Isobutyl alcohol	41	4.788	4.788	0.000	93	1446940	2000.0	2065.0	
54 Benzene	78	4.859	4.859	0.000	98	4646198	80.0	77.5	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	1481846	80.0	74.8	
57 n-Heptane	57	5.072	5.072	0.000	93	736966	80.0	80.8	
59 Trichloroethene	130	5.403	5.403	0.000	96	1135512	80.0	81.9	
61 Methylcyclohexane	83	5.557	5.557	0.000	94	2138507	80.0	77.3	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	90	1078010	80.0	81.5	
64 Dibromomethane	174	5.699	5.699	0.000	94	582660	80.0	80.3	
65 1,4-Dioxane	88	5.722	5.711	0.011	97	242067	1600.0	1649.9	
66 Dichlorobromomethane	83	5.829	5.829	0.000	97	1358720	80.0	84.5	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	93	1461563	160.0	180.7	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	91	1697875	80.0	87.9	
70 4-Methyl-2-pentanone (MIBK)	43	6.349	6.350	-0.001	98	3248589	160.0	159.9	
71 Toluene	91	6.503	6.503	0.000	98	4514868	80.0	78.3	
72 trans-1,3-Dichloropropene	75	6.704	6.705	-0.001	98	1563680	80.0	86.6	
74 Ethyl methacrylate	69	6.775	6.776	-0.001	90	1524928	80.0	81.9	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	95	807337	80.0	80.1	
76 Tetrachloroethene	166	6.988	6.989	-0.001	95	1048422	80.0	82.5	
77 1,3-Dichloropropane	76	7.012	7.024	-0.012	95	1592923	80.0	79.9	
78 2-Hexanone	43	7.083	7.083	0.000	99	2414962	160.0	157.4	
80 Chlorodibromomethane	129	7.225	7.225	0.000	90	869771	80.0	87.6	
81 Ethylene Dibromide	107	7.332	7.332	0.000	98	860054	80.0	78.4	
83 Chlorobenzene	112	7.769	7.770	-0.001	92	2717778	80.0	78.4	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	94	1013509	80.0	77.3	
85 Ethylbenzene	106	7.876	7.876	0.000	99	1611040	80.0	79.9	
86 m-Xylene & p-Xylene	106	7.982	7.983	0.000	98	2012889	80.0	79.0	
87 o-Xylene	106	8.361	8.361	0.000	97	2037618	80.0	78.6	
88 Styrene	104	8.373	8.373	0.000	94	3292606	80.0	85.2	
89 Bromoform	173	8.550	8.550	0.000	94	649720	80.0	93.3	
90 Isopropylbenzene	105	8.704	8.704	0.000	98	5427602	80.0	78.1	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	81	1445975	80.0	72.4	
92 Bromobenzene	156	9.000	9.000	0.000	98	1135399	80.0	75.1	
94 1,2,3-Trichloropropane	110	9.047	9.047	0.000	87	463903	80.0	70.1	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	90	576940	80.0	77.1	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	1430399	80.0	74.7	
97 2-Chlorotoluene	126	9.189	9.189	0.000	95	1213898	80.0	74.1	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	4423101	80.0	77.9	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	1245363	80.0	77.7	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	3758933	80.0	82.7	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	4431758	80.0	76.7	
105 sec-Butylbenzene	105	9.805	9.805	0.000	95	5319194	80.0	77.3	

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	9.923	9.923	0.000	97	2268547	80.0	75.2	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	97	4620911	80.0	78.8	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	92	2330926	80.0	73.7	
111 n-Butylbenzene	91	10.349	10.349	0.000	97	3872041	80.0	75.8	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	95	2197382	80.0	74.5	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	89	334185	80.0	79.8	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	94	1167234	80.0	70.3	
116 Hexachlorobutadiene	225	12.136	12.136	0.000	97	429829	80.0	74.9	
117 Naphthalene	128	12.219	12.219	0.000	98	3773268	80.0	71.7	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	94	1054660	80.0	71.9	
S 125 Total BTEX	1				0		400.0	393.3	
S 124 Trihalomethanes, Total	1				0		320.0	336.6	
S 126 1,2-Dichloroethene, Total	96				0			144.4	
S 127 1,3-Dichloropropene, Total	75				0			174.4	
S 128 Xylenes, Total	106				0		160.0	157.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

vm50is_stk_a_00008	Amount Added:	2.00	Units: uL
vmrgas_00394	Amount Added:	64.00	Units: uL
vmarolistdw_00402	Amount Added:	64.00	Units: uL
vmrprimw_00445	Amount Added:	64.00	Units: uL
vm50ss_00449	Amount Added:	64.00	Units: uL

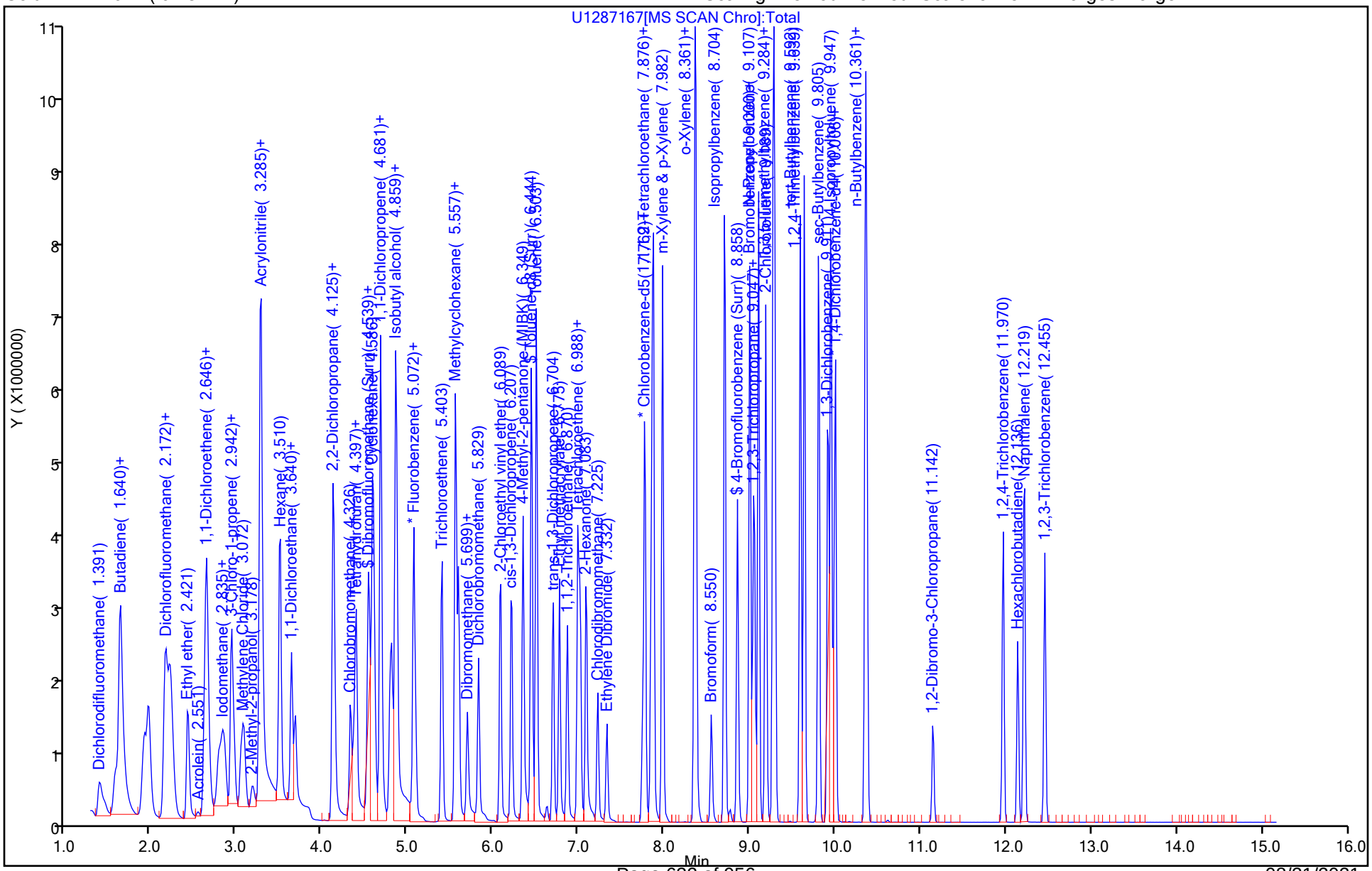
Report Date: 02-Aug-2021 14:06:38 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287167.D

Injection Date:	31-Jul-2021 14:17:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	std8260 L8			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
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

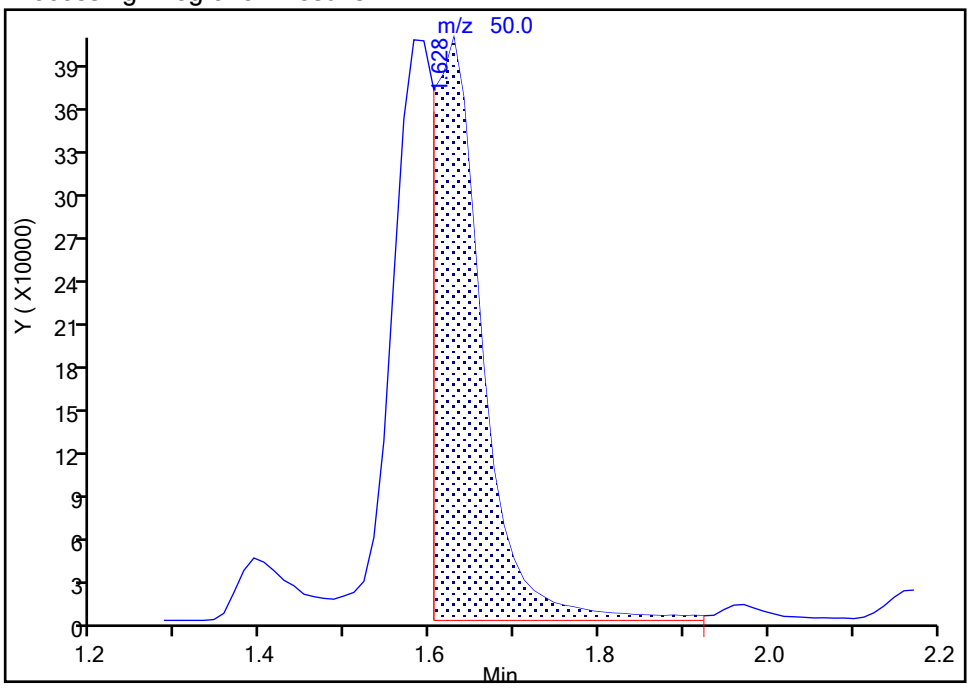
Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287167.D
Injection Date: 31-Jul-2021 14:17:30 Instrument ID: A3UX12
Lims ID: std8260 L8
Client ID:
Operator ID: 001904 ALS Bottle#: 10 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

10 Chloromethane, CAS: 74-87-3

Signal: 1

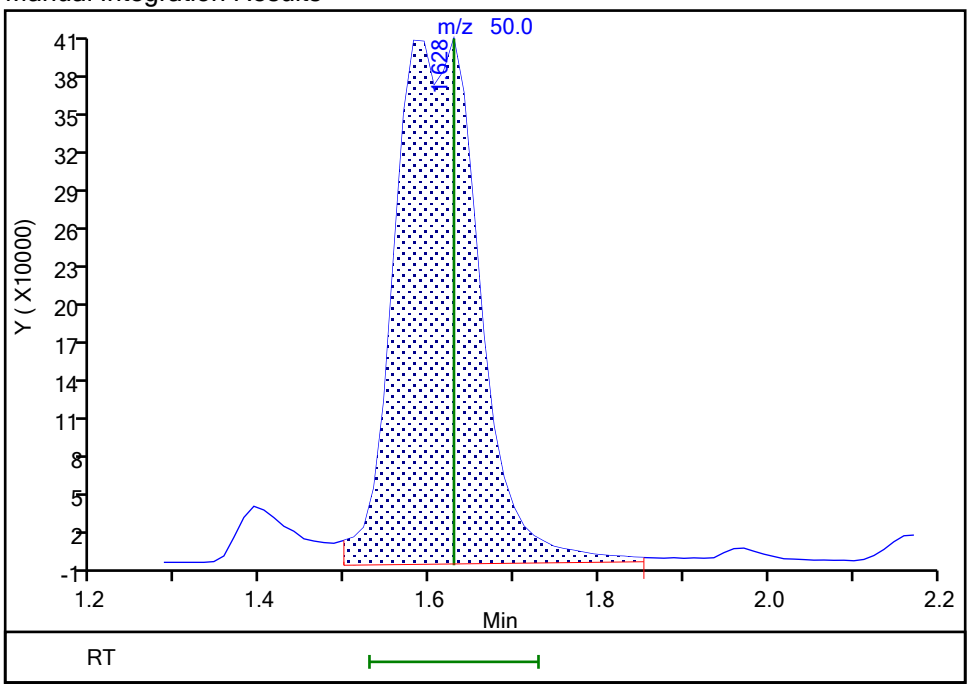
Processing Integration Results

RT: 1.63
Area: 1645571
Amount: 43.775736
Amount Units: ug/l



Manual Integration Results

RT: 1.63
Area: 2807804
Amount: 70.785532
Amount Units: ug/l



Reviewer: laveyt, 31-Jul-2021 14:48:45
Audit Action: Manually Integrated Audit Reason: Split Peak

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

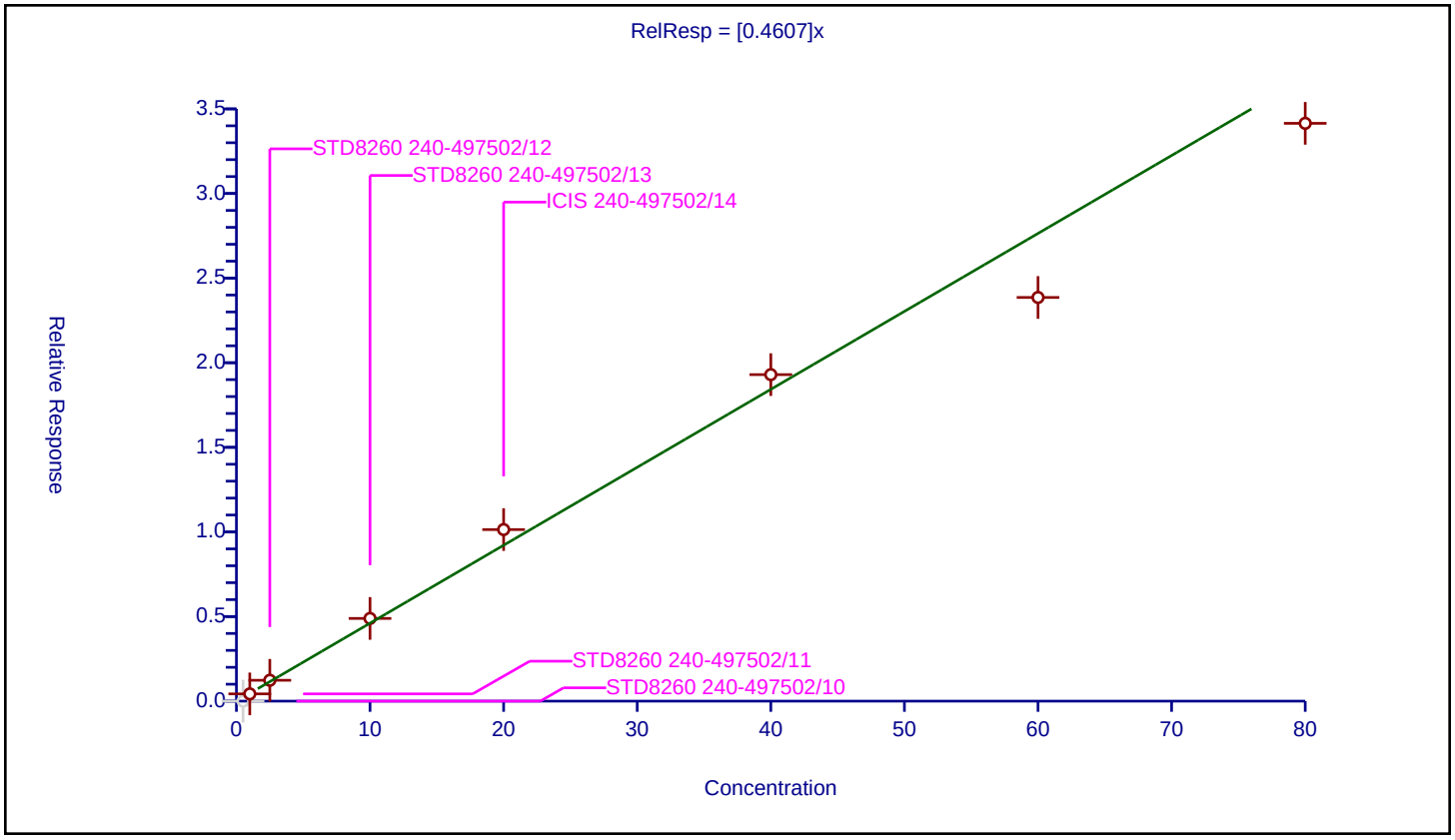
Curve Coefficients

Intercept:	0
Slope:	0.4607

Error Coefficients

Standard Error:	947000
Relative Standard Error:	9.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.0	20.0	823049.0	0.0	N
2	STD8260 240-497502/11	1.0	0.428574	20.0	833321.0	0.428574	Y
3	STD8260 240-497502/12	2.5	1.233641	20.0	808031.0	0.493456	Y
4	STD8260 240-497502/13	10.0	4.88807	20.0	810819.0	0.488807	Y
5	ICIS 240-497502/14	20.0	10.138466	20.0	816084.0	0.506923	Y
6	STD8260 240-497502/15	40.0	19.296141	20.0	898504.0	0.482404	Y
7	STD8260 240-497502/16	60.0	23.855571	20.0	1004728.0	0.397593	Y
8	STD8260 240-497502/17	80.0	34.14735	20.0	1010995.0	0.426842	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

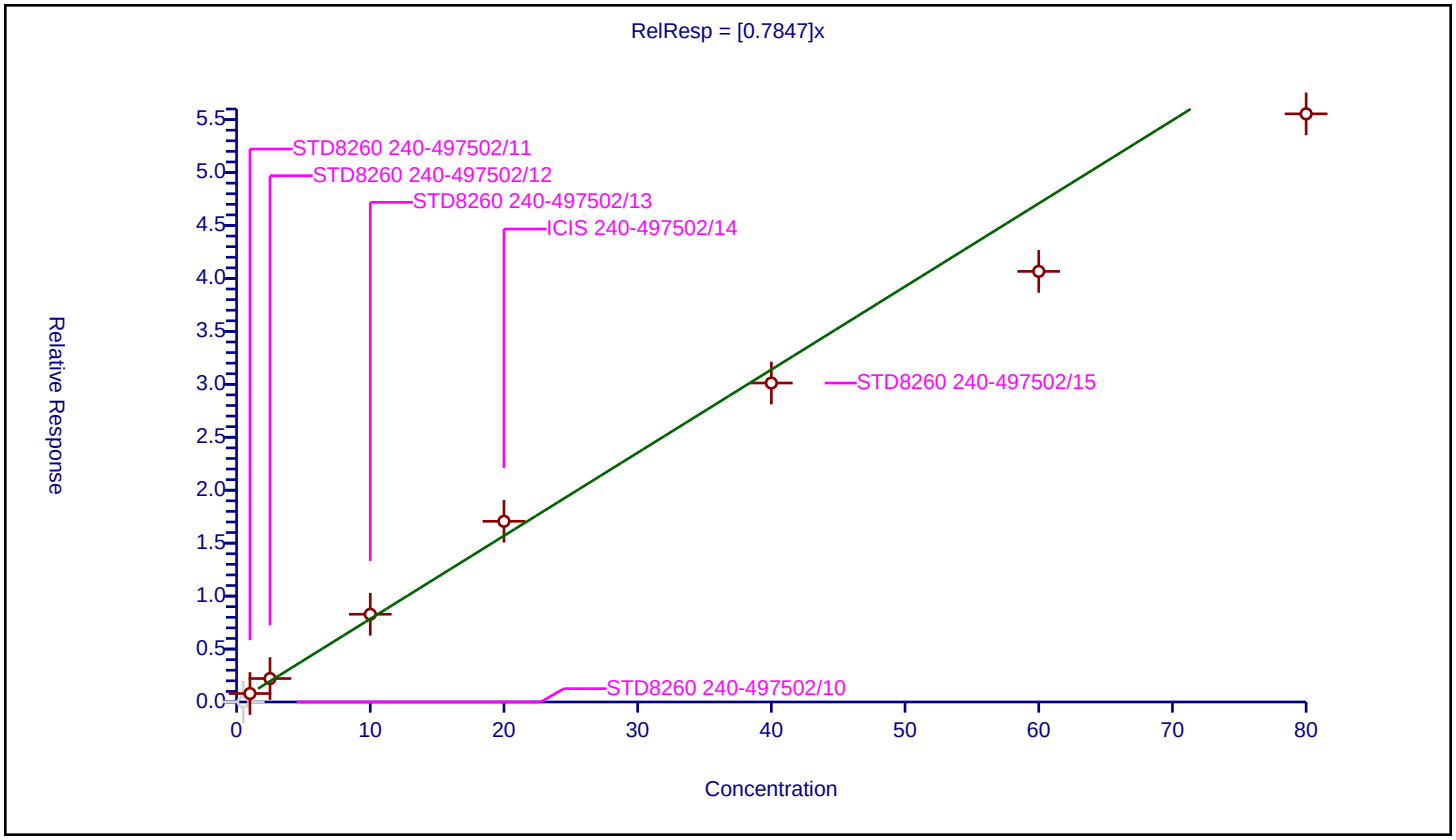
Curve Coefficients

Intercept:	0
Slope:	0.7847

Error Coefficients

Standard Error:	1550000
Relative Standard Error:	10.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.0	20.0	823049.0	0.0	N
2	STD8260 240-497502/11	1.0	0.799452	20.0	833321.0	0.799452	Y
3	STD8260 240-497502/12	2.5	2.215707	20.0	808031.0	0.886283	Y
4	STD8260 240-497502/13	10.0	8.286708	20.0	810819.0	0.828671	Y
5	ICIS 240-497502/14	20.0	17.066258	20.0	816084.0	0.853313	Y
6	STD8260 240-497502/15	40.0	30.123338	20.0	898504.0	0.753083	Y
7	STD8260 240-497502/16	60.0	40.666588	20.0	1004728.0	0.677776	Y
8	STD8260 240-497502/17	80.0	55.545359	20.0	1010995.0	0.694317	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

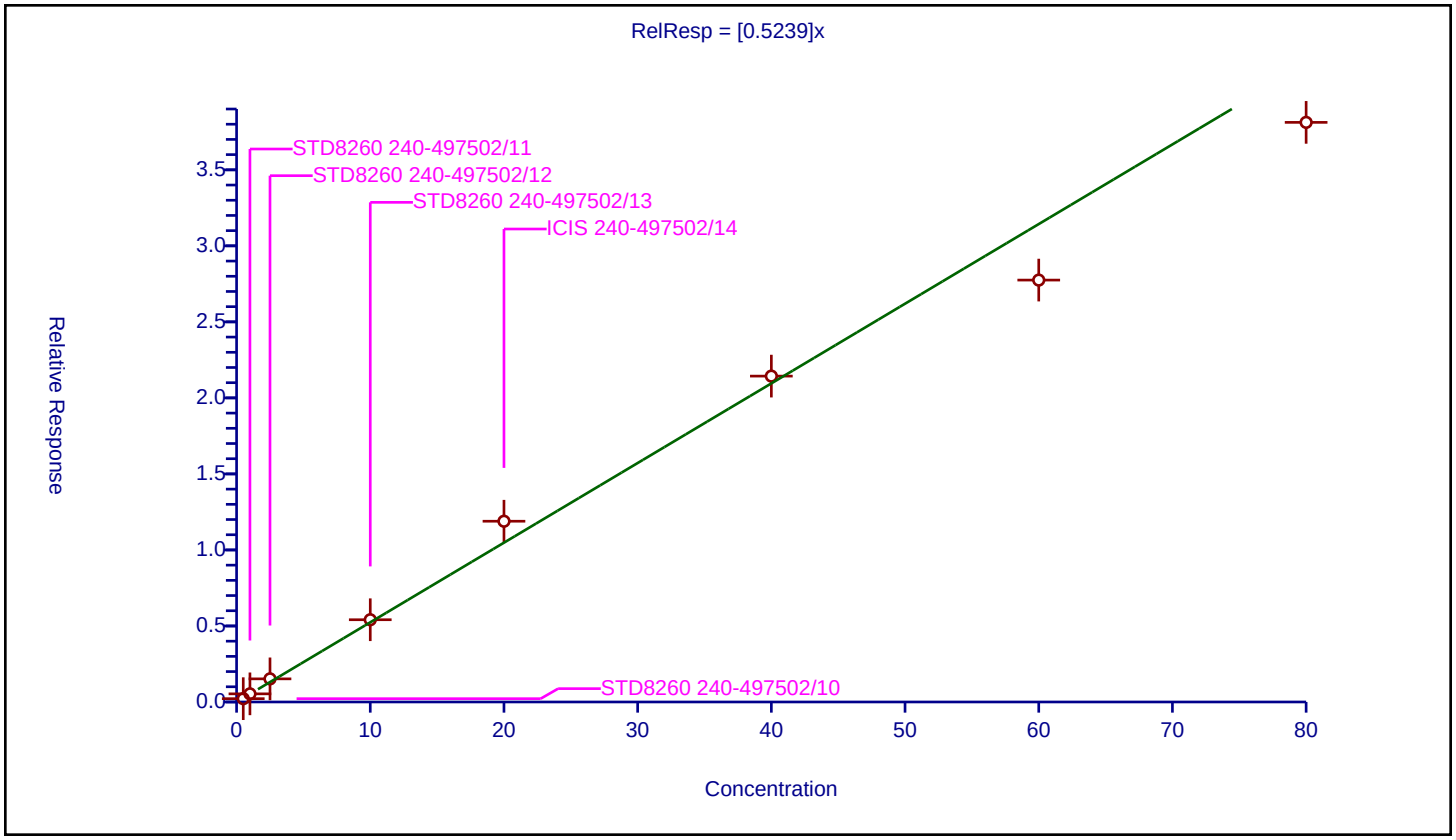
Curve Coefficients

Intercept:	0
Slope:	0.5239

Error Coefficients

Standard Error:	991000
Relative Standard Error:	11.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.218578	20.0	823049.0	0.437155	Y
2	STD8260 240-497502/11	1.0	0.535088	20.0	833321.0	0.535088	Y
3	STD8260 240-497502/12	2.5	1.521551	20.0	808031.0	0.60862	Y
4	STD8260 240-497502/13	10.0	5.409123	20.0	810819.0	0.540912	Y
5	ICIS 240-497502/14	20.0	11.888556	20.0	816084.0	0.594428	Y
6	STD8260 240-497502/15	40.0	21.432937	20.0	898504.0	0.535823	Y
7	STD8260 240-497502/16	60.0	27.748445	20.0	1004728.0	0.462474	Y
8	STD8260 240-497502/17	80.0	38.120742	20.0	1010995.0	0.476509	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

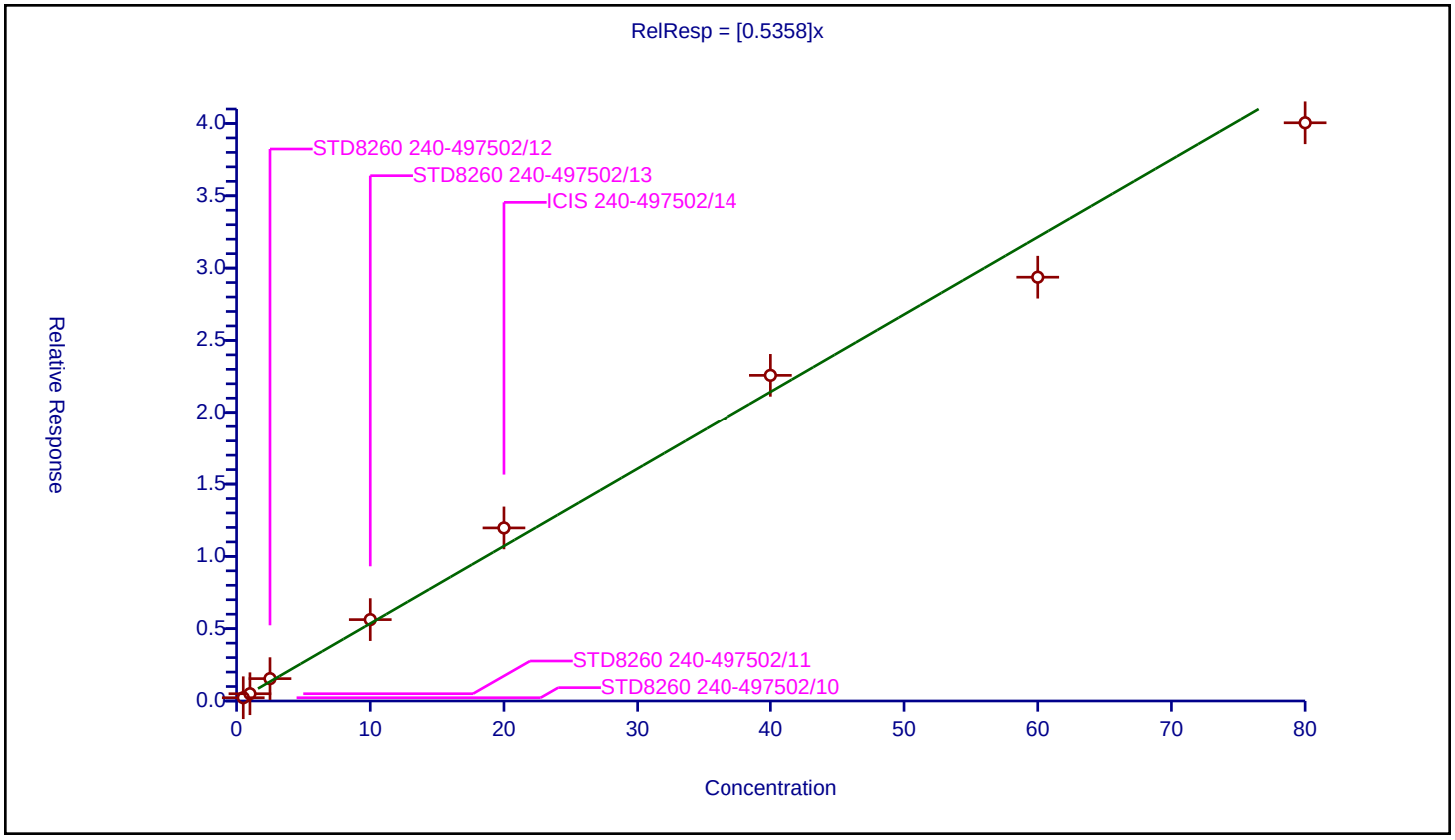
Curve Coefficients

Intercept:	0
Slope:	0.5358

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.225236	20.0	823049.0	0.450471	Y
2	STD8260 240-497502/11	1.0	0.501751	20.0	833321.0	0.501751	Y
3	STD8260 240-497502/12	2.5	1.545238	20.0	808031.0	0.618095	Y
4	STD8260 240-497502/13	10.0	5.626607	20.0	810819.0	0.562661	Y
5	ICIS 240-497502/14	20.0	11.967322	20.0	816084.0	0.598366	Y
6	STD8260 240-497502/15	40.0	22.584073	20.0	898504.0	0.564602	Y
7	STD8260 240-497502/16	60.0	29.37187	20.0	1004728.0	0.489531	Y
8	STD8260 240-497502/17	80.0	40.047874	20.0	1010995.0	0.500598	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

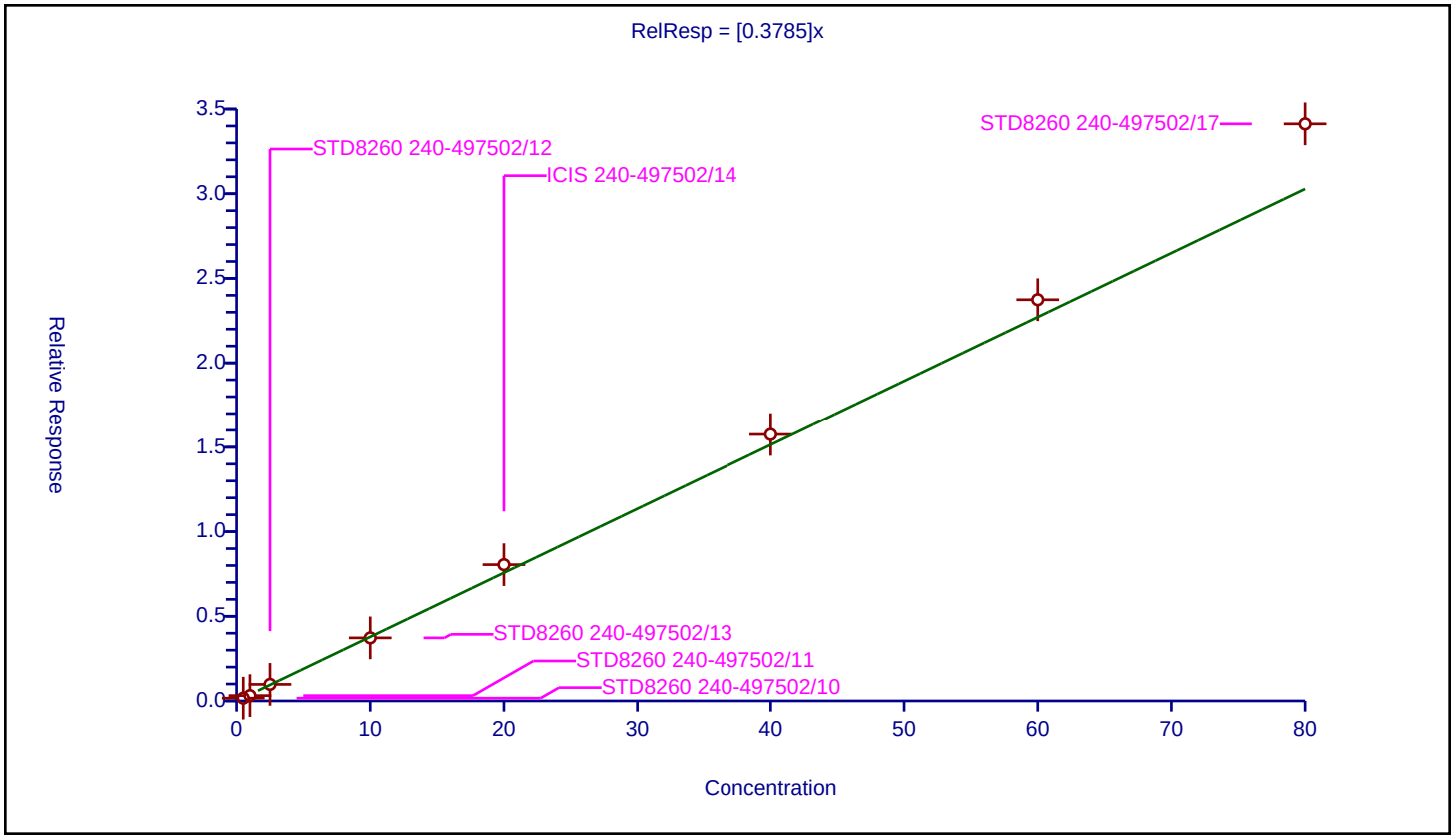
Curve Coefficients

Intercept:	0
Slope:	0.3785

Error Coefficients

Standard Error:	848000
Relative Standard Error:	9.9
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.165191	20.0	823049.0	0.330381	Y
2	STD8260 240-497502/11	1.0	0.315701	20.0	833321.0	0.315701	Y
3	STD8260 240-497502/12	2.5	0.977487	20.0	808031.0	0.390995	Y
4	STD8260 240-497502/13	10.0	3.724062	20.0	810819.0	0.372406	Y
5	ICIS 240-497502/14	20.0	8.05047	20.0	816084.0	0.402524	Y
6	STD8260 240-497502/15	40.0	15.755879	20.0	898504.0	0.393897	Y
7	STD8260 240-497502/16	60.0	23.739002	20.0	1004728.0	0.39565	Y
8	STD8260 240-497502/17	80.0	34.126697	20.0	1010995.0	0.426584	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

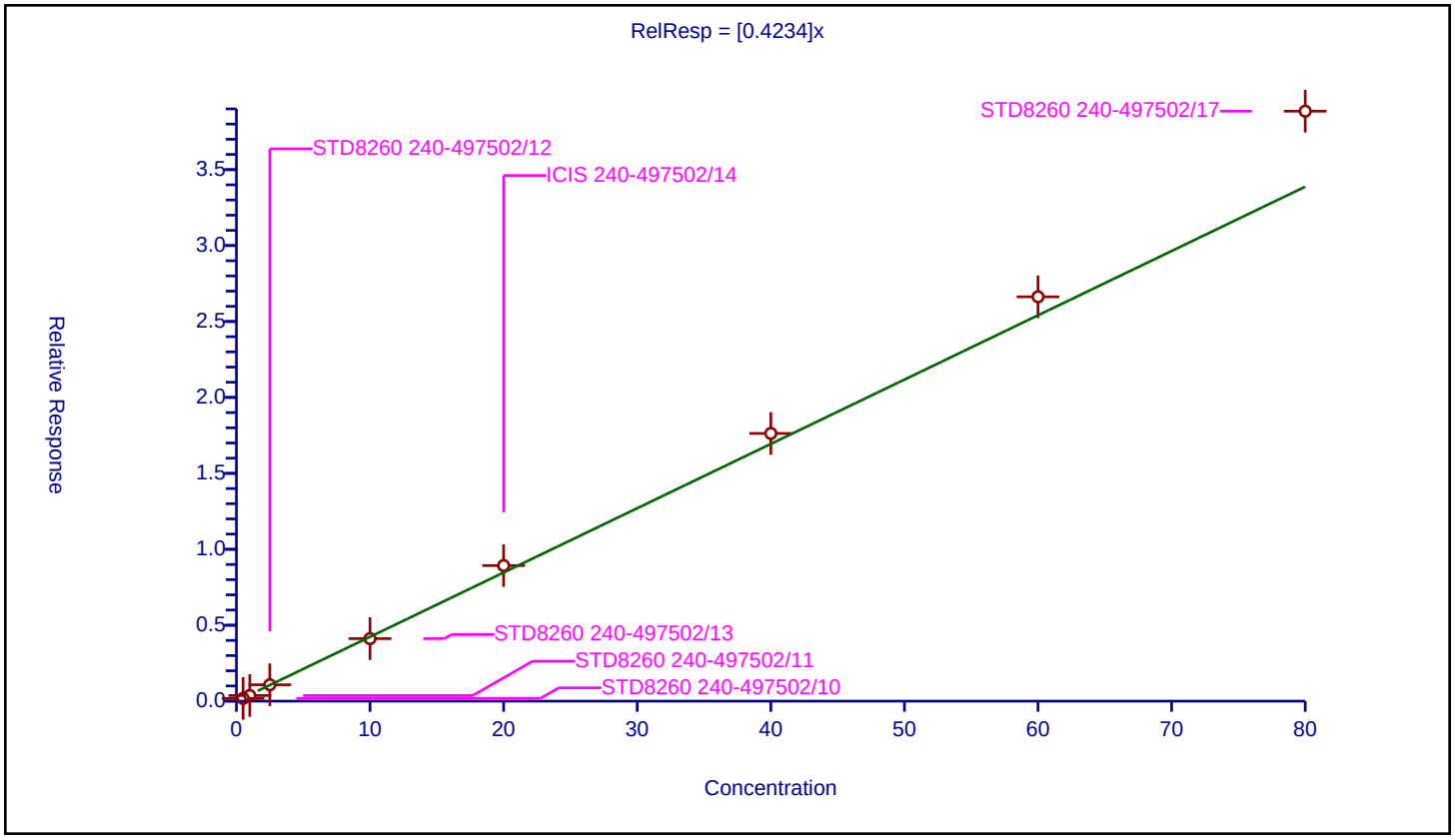
Curve Coefficients

Intercept:	0
Slope:	0.4234

Error Coefficients

Standard Error:	959000
Relative Standard Error:	9.9
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.17943	20.0	823049.0	0.358861	Y
2	STD8260 240-497502/11	1.0	0.369869	20.0	833321.0	0.369869	Y
3	STD8260 240-497502/12	2.5	1.076939	20.0	808031.0	0.430776	Y
4	STD8260 240-497502/13	10.0	4.116381	20.0	810819.0	0.411638	Y
5	ICIS 240-497502/14	20.0	8.927218	20.0	816084.0	0.446361	Y
6	STD8260 240-497502/15	40.0	17.628258	20.0	898504.0	0.440706	Y
7	STD8260 240-497502/16	60.0	26.626371	20.0	1004728.0	0.443773	Y
8	STD8260 240-497502/17	80.0	38.848461	20.0	1010995.0	0.485606	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

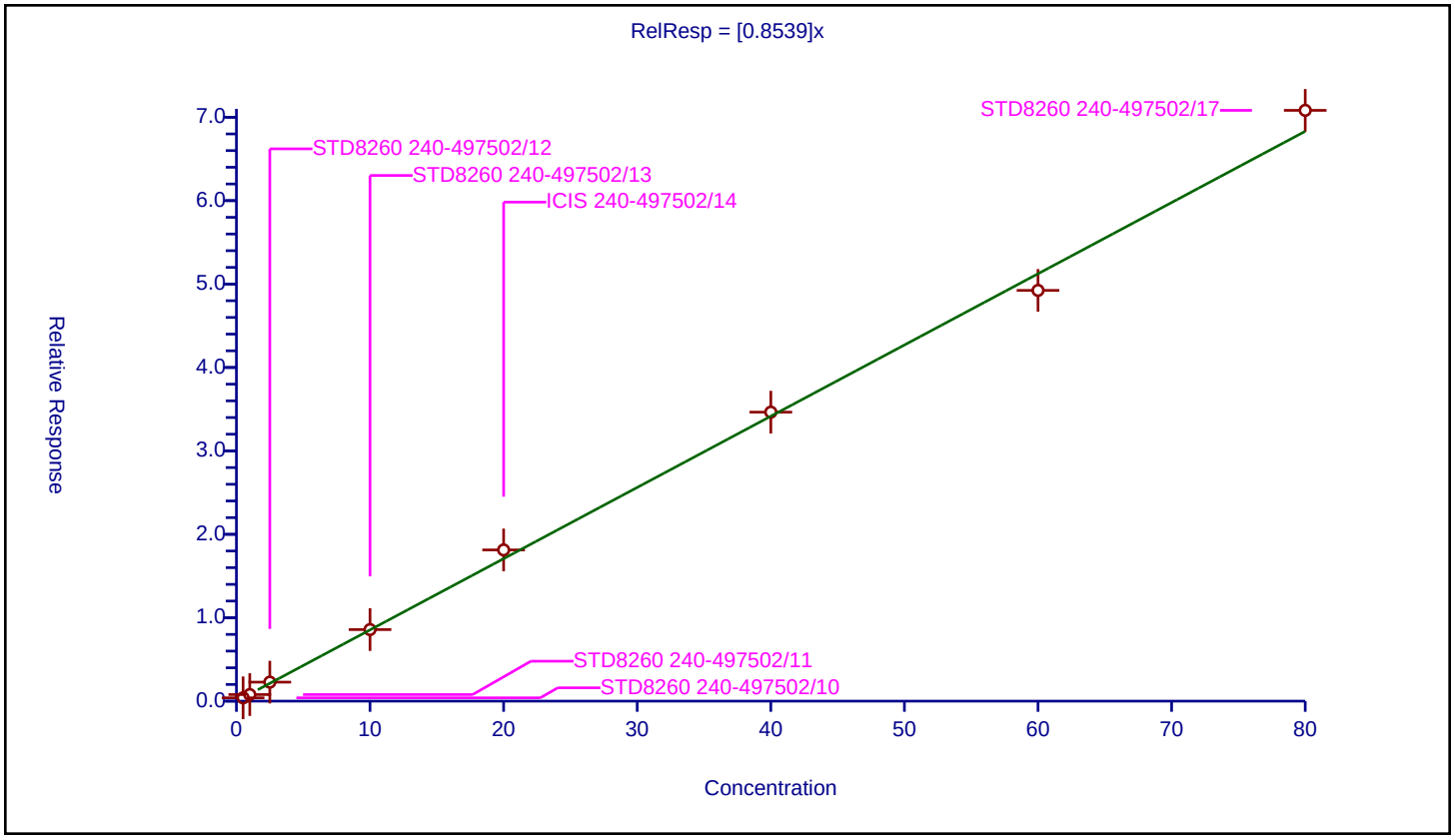
Curve Coefficients

Intercept:	0
Slope:	0.8539

Error Coefficients

Standard Error:	1770000
Relative Standard Error:	5.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.39847	20.0	823049.0	0.796939	Y
2	STD8260 240-497502/11	1.0	0.786468	20.0	833321.0	0.786468	Y
3	STD8260 240-497502/12	2.5	2.278477	20.0	808031.0	0.911391	Y
4	STD8260 240-497502/13	10.0	8.579177	20.0	810819.0	0.857918	Y
5	ICIS 240-497502/14	20.0	18.128649	20.0	816084.0	0.906432	Y
6	STD8260 240-497502/15	40.0	34.645655	20.0	898504.0	0.866141	Y
7	STD8260 240-497502/16	60.0	49.240013	20.0	1004728.0	0.820667	Y
8	STD8260 240-497502/17	80.0	70.823496	20.0	1010995.0	0.885294	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

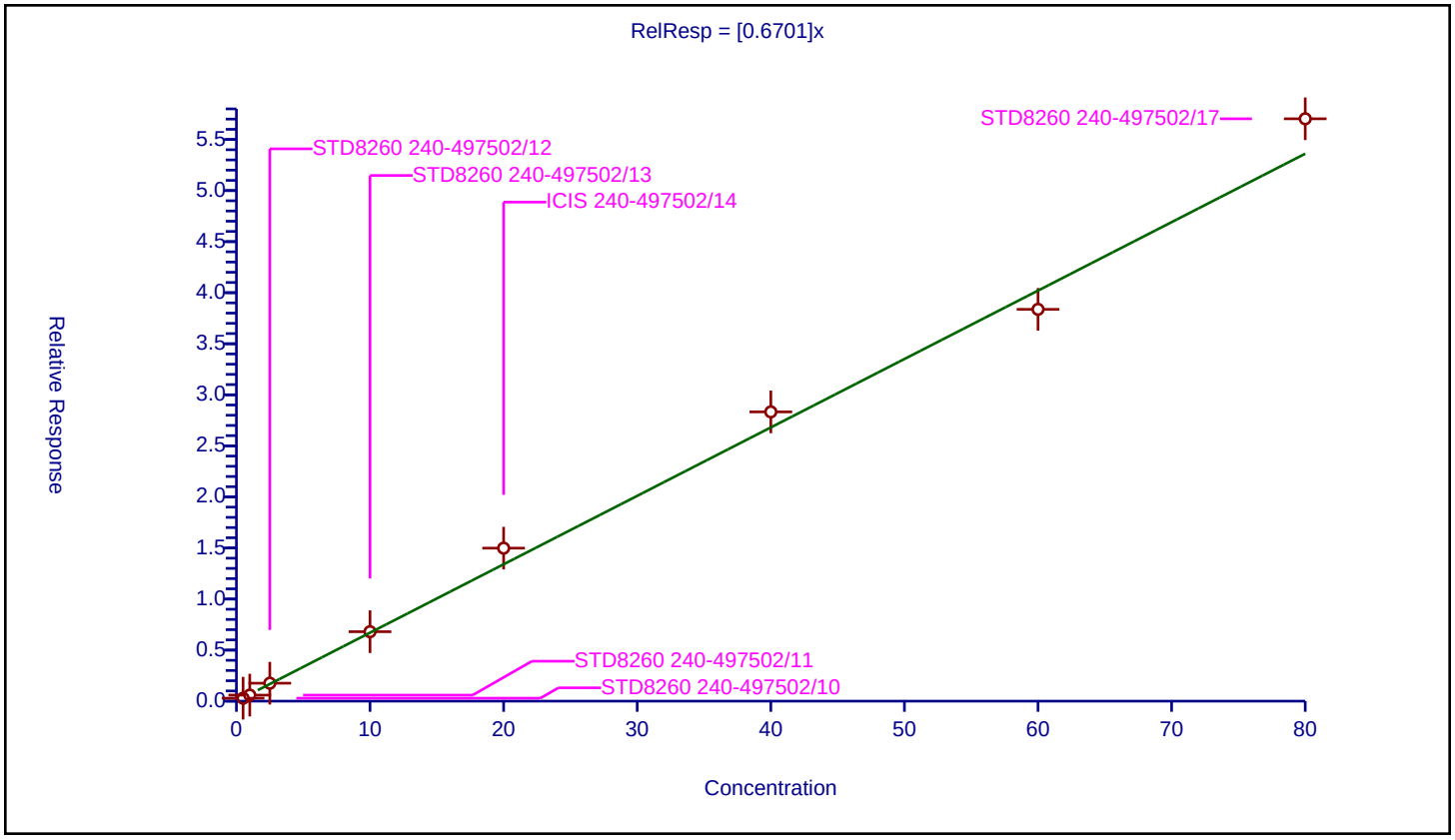
Curve Coefficients

Intercept:	0
Slope:	0.6701

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	9.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.28895	20.0	823049.0	0.5779	Y
2	STD8260 240-497502/11	1.0	0.590601	20.0	833321.0	0.590601	Y
3	STD8260 240-497502/12	2.5	1.755774	20.0	808031.0	0.70231	Y
4	STD8260 240-497502/13	10.0	6.801888	20.0	810819.0	0.680189	Y
5	ICIS 240-497502/14	20.0	14.984291	20.0	816084.0	0.749215	Y
6	STD8260 240-497502/15	40.0	28.327531	20.0	898504.0	0.708188	Y
7	STD8260 240-497502/16	60.0	38.370086	20.0	1004728.0	0.639501	Y
8	STD8260 240-497502/17	80.0	57.029204	20.0	1010995.0	0.712865	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

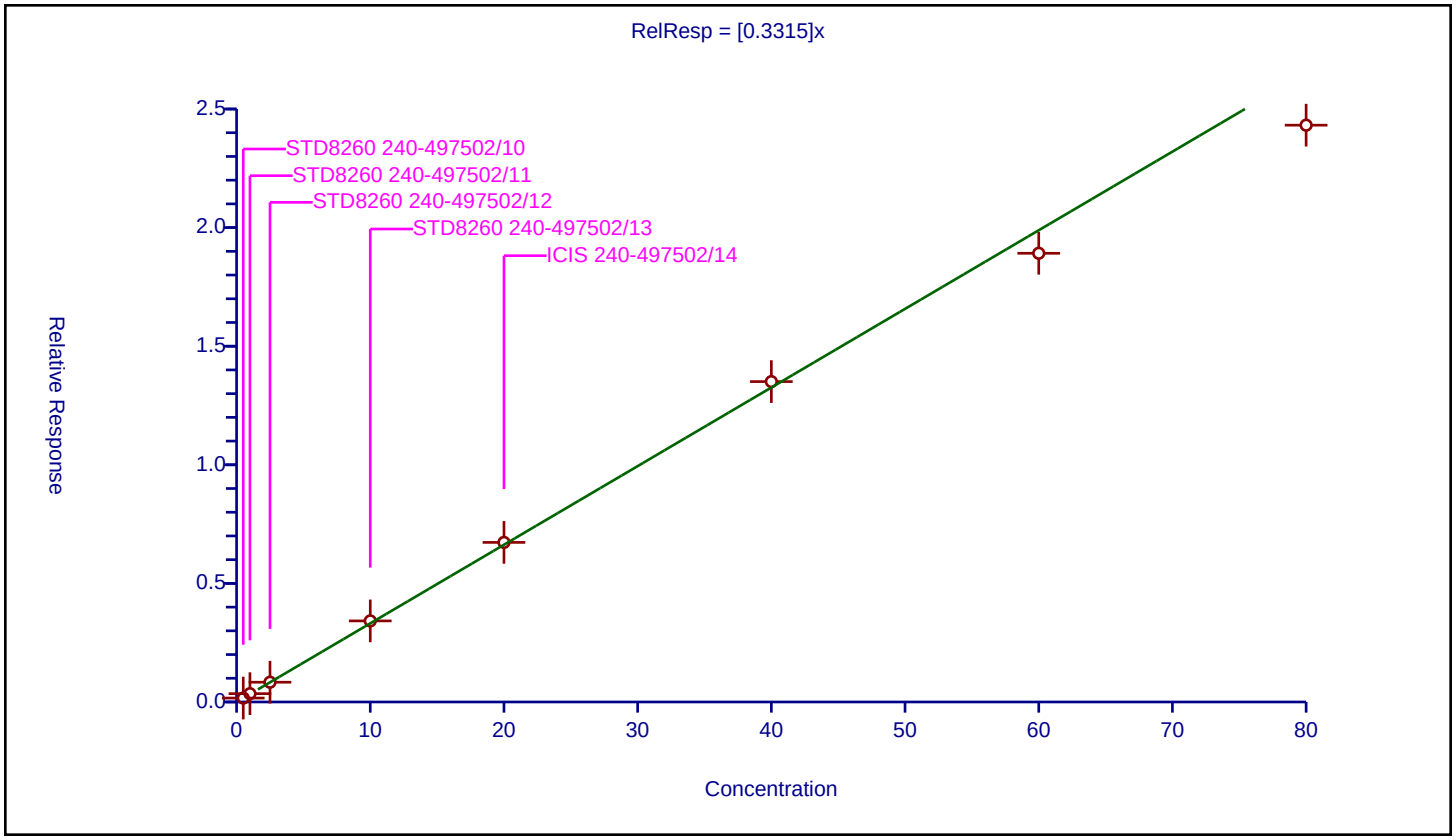
Curve Coefficients

Intercept:	0
Slope:	0.3315

Error Coefficients

Standard Error:	641000
Relative Standard Error:	4.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.166041	20.0	823049.0	0.332082	Y
2	STD8260 240-497502/11	1.0	0.350861	20.0	833321.0	0.350861	Y
3	STD8260 240-497502/12	2.5	0.833879	20.0	808031.0	0.333552	Y
4	STD8260 240-497502/13	10.0	3.418568	20.0	810819.0	0.341857	Y
5	ICIS 240-497502/14	20.0	6.727714	20.0	816084.0	0.336386	Y
6	STD8260 240-497502/15	40.0	13.507564	20.0	898504.0	0.337689	Y
7	STD8260 240-497502/16	60.0	18.917697	20.0	1004728.0	0.315295	Y
8	STD8260 240-497502/17	80.0	24.31834	20.0	1010995.0	0.303979	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

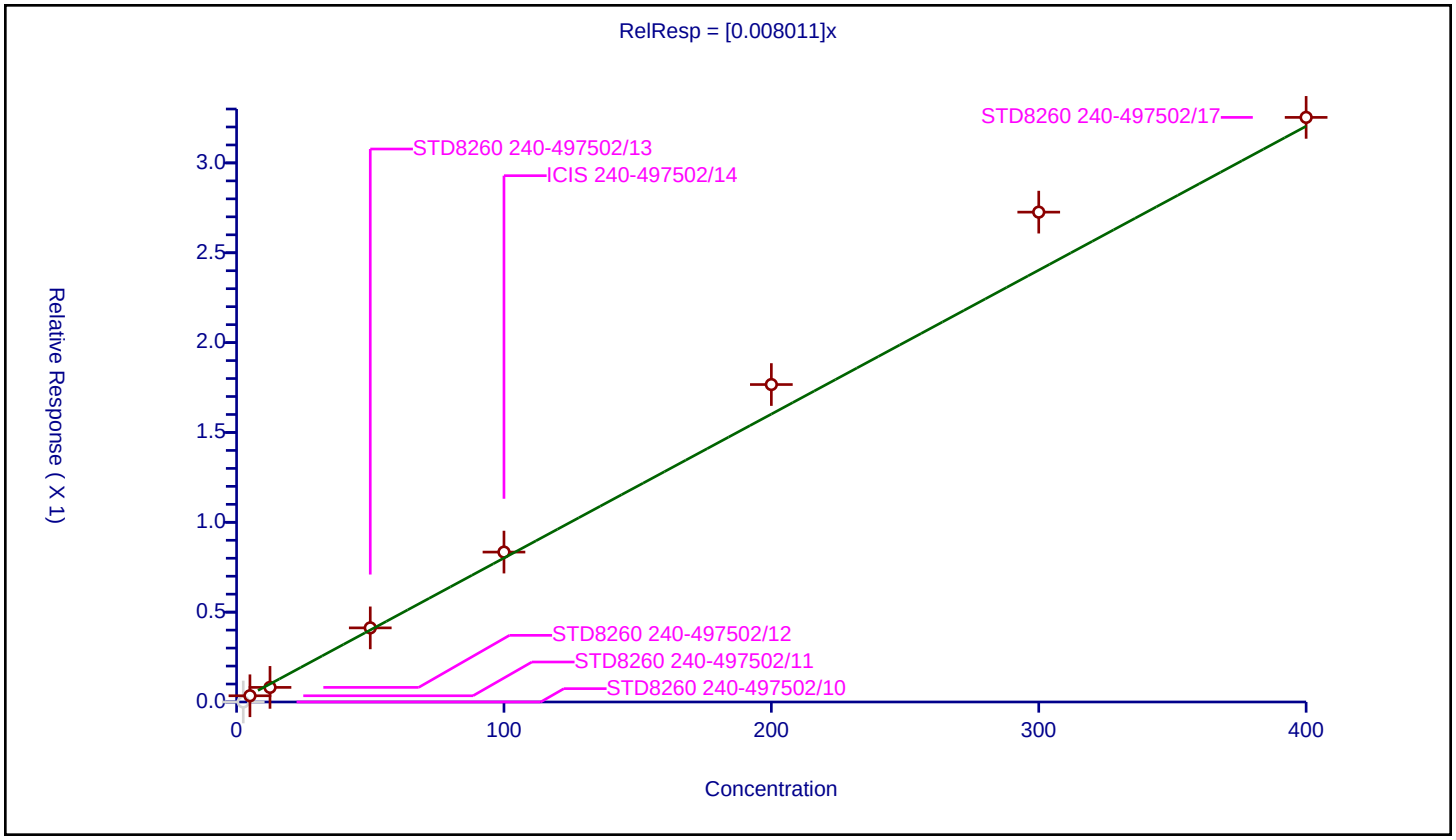
Curve Coefficients

Intercept:	0
Slope:	0.008011

Error Coefficients

Standard Error:	94500
Relative Standard Error:	11.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	2.5	0.0	20.0	823049.0	0.0	N
2	STD8260 240-497502/11	5.0	0.034633	20.0	833321.0	0.006927	Y
3	STD8260 240-497502/12	12.5	0.081309	20.0	808031.0	0.006505	Y
4	STD8260 240-497502/13	50.0	0.412423	20.0	810819.0	0.008248	Y
5	ICIS 240-497502/14	100.0	0.834252	20.0	816084.0	0.008343	Y
6	STD8260 240-497502/15	200.0	1.766692	20.0	898504.0	0.008833	Y
7	STD8260 240-497502/16	300.0	2.726071	20.0	1004728.0	0.009087	Y
8	STD8260 240-497502/17	400.0	3.253389	20.0	1010995.0	0.008133	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

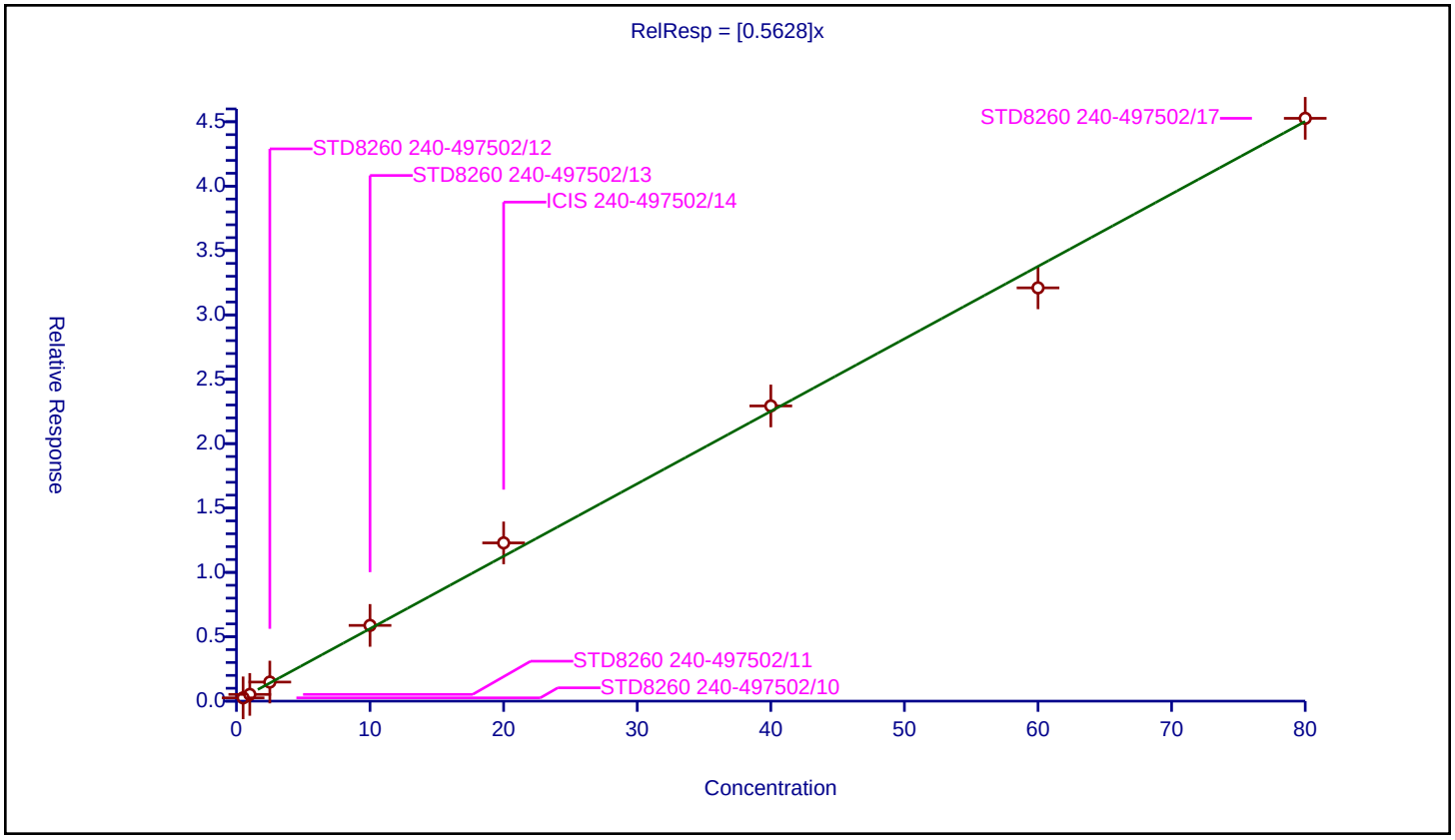
Curve Coefficients

Intercept:	0
Slope:	0.5628

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	6.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.2551	20.0	823049.0	0.5102	Y
2	STD8260 240-497502/11	1.0	0.522752	20.0	833321.0	0.522752	Y
3	STD8260 240-497502/12	2.5	1.481973	20.0	808031.0	0.592789	Y
4	STD8260 240-497502/13	10.0	5.881436	20.0	810819.0	0.588144	Y
5	ICIS 240-497502/14	20.0	12.291161	20.0	816084.0	0.614558	Y
6	STD8260 240-497502/15	40.0	22.927466	20.0	898504.0	0.573187	Y
7	STD8260 240-497502/16	60.0	32.101046	20.0	1004728.0	0.535017	Y
8	STD8260 240-497502/17	80.0	45.266712	20.0	1010995.0	0.565834	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

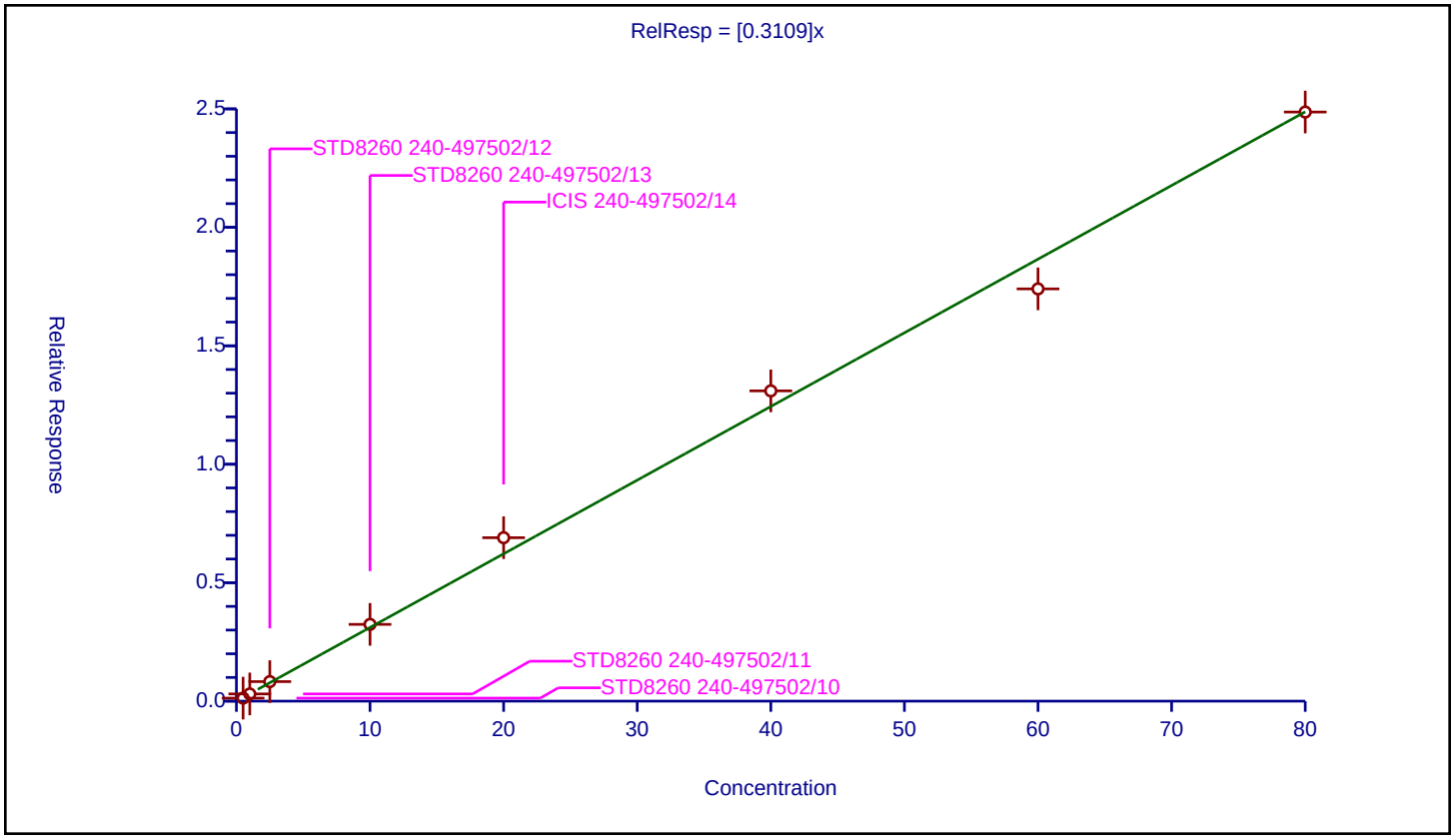
Curve Coefficients

Intercept:	0
Slope:	0.3109

Error Coefficients

Standard Error:	631000
Relative Standard Error:	9.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.127842	20.0	823049.0	0.255683	Y
2	STD8260 240-497502/11	1.0	0.304565	20.0	833321.0	0.304565	Y
3	STD8260 240-497502/12	2.5	0.825043	20.0	808031.0	0.330017	Y
4	STD8260 240-497502/13	10.0	3.240575	20.0	810819.0	0.324058	Y
5	ICIS 240-497502/14	20.0	6.899584	20.0	816084.0	0.344979	Y
6	STD8260 240-497502/15	40.0	13.096948	20.0	898504.0	0.327424	Y
7	STD8260 240-497502/16	60.0	17.401725	20.0	1004728.0	0.290029	Y
8	STD8260 240-497502/17	80.0	24.867086	20.0	1010995.0	0.310839	Y



Calibration / Acetone

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

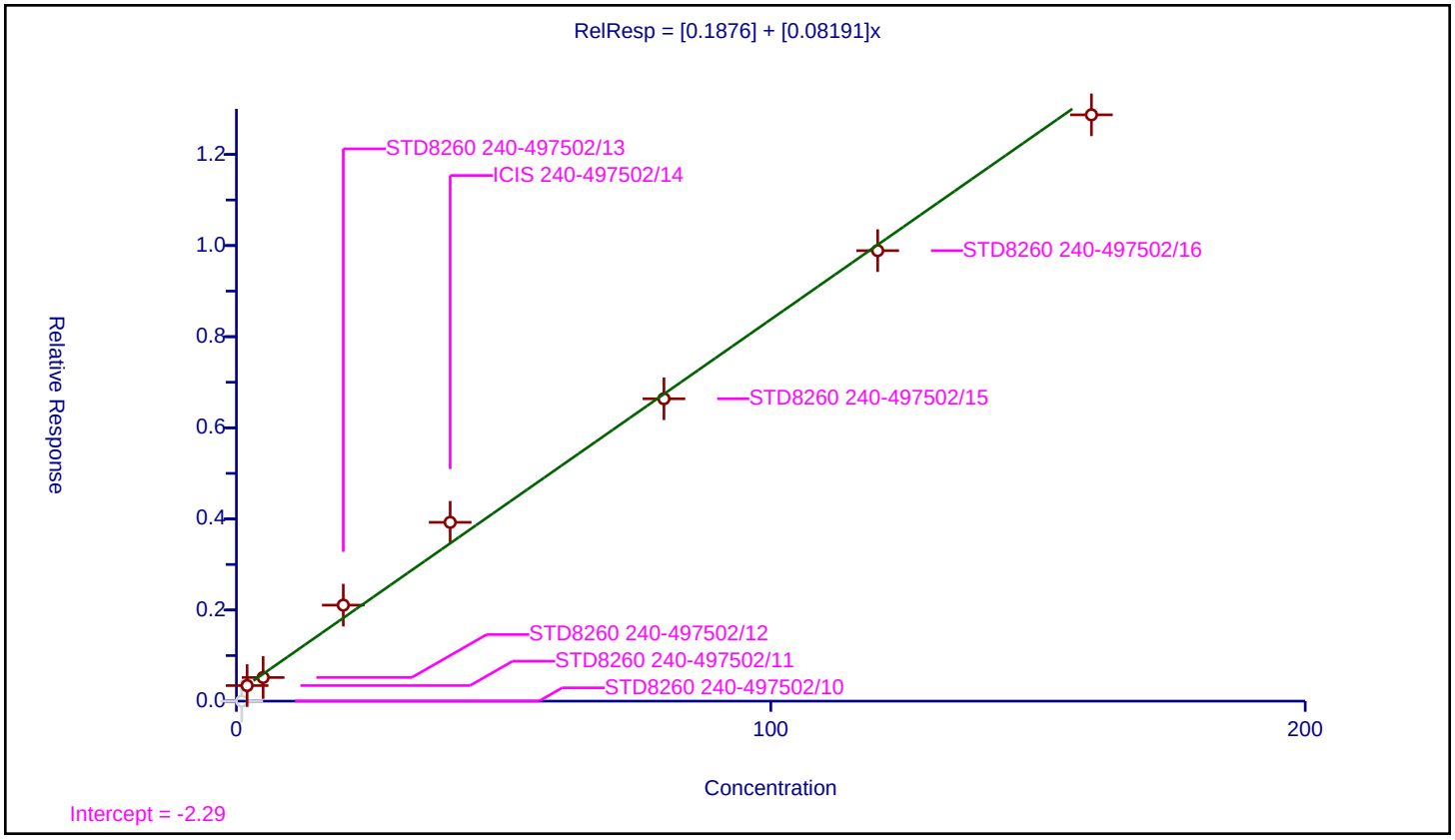
Curve Coefficients

Intercept:	0.1876
Slope:	0.08191

Error Coefficients

Standard Error:	398000
Relative Standard Error:	13.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	1.0	0.0	20.0	823049.0	0.0	N
2	STD8260 240-497502/11	2.0	0.341549	20.0	833321.0	0.170775	Y
3	STD8260 240-497502/12	5.0	0.518866	20.0	808031.0	0.103773	Y
4	STD8260 240-497502/13	20.0	2.107005	20.0	810819.0	0.10535	Y
5	ICIS 240-497502/14	40.0	3.92489	20.0	816084.0	0.098122	Y
6	STD8260 240-497502/15	80.0	6.637299	20.0	898504.0	0.082966	Y
7	STD8260 240-497502/16	120.0	9.888447	20.0	1004728.0	0.082404	Y
8	STD8260 240-497502/17	160.0	12.869638	20.0	1010995.0	0.080435	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

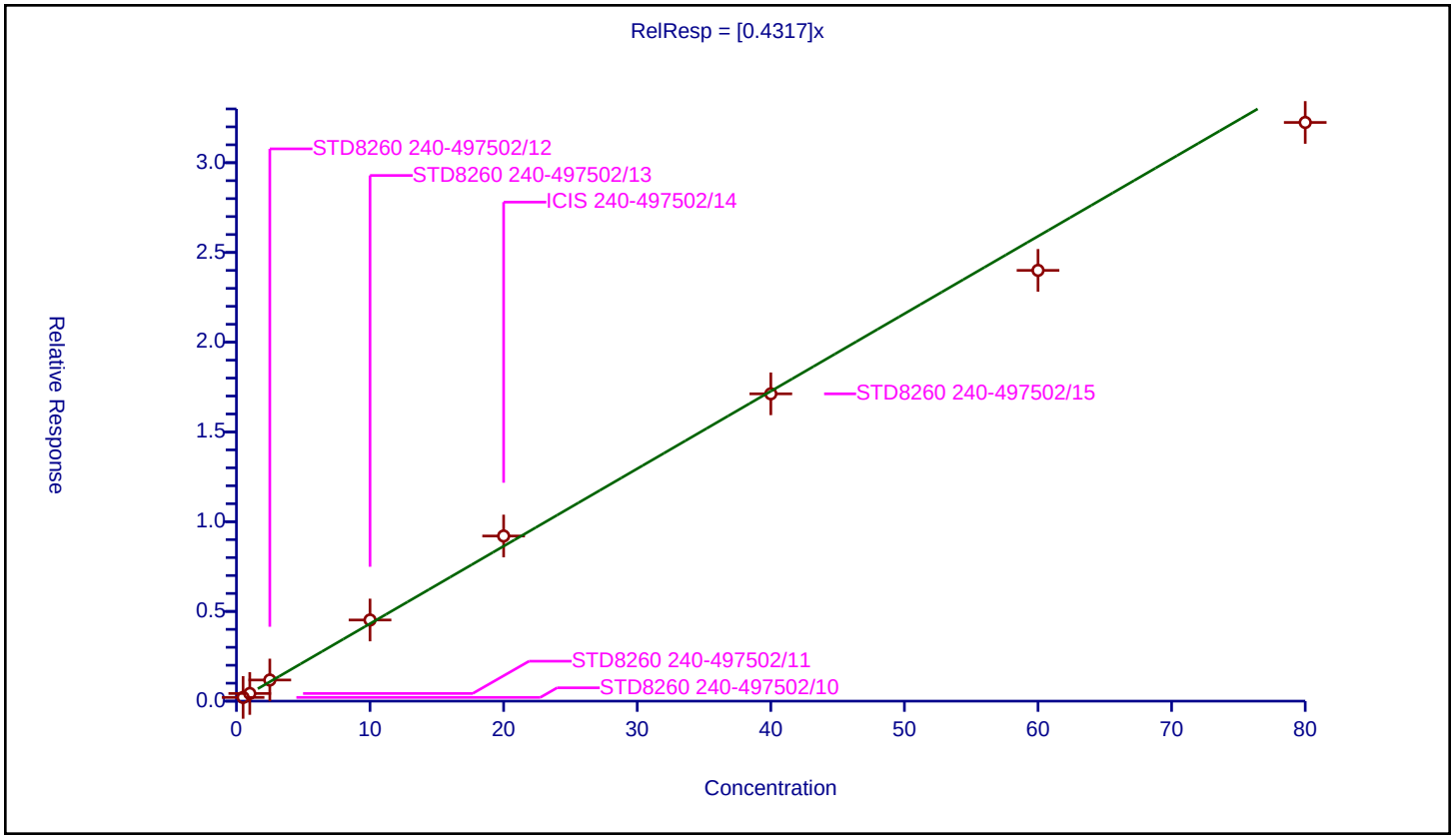
Curve Coefficients

Intercept:	0
Slope:	0.4317

Error Coefficients

Standard Error:	835000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.206452	20.0	823049.0	0.412904	Y
2	STD8260 240-497502/11	1.0	0.426126	20.0	833321.0	0.426126	Y
3	STD8260 240-497502/12	2.5	1.178173	20.0	808031.0	0.471269	Y
4	STD8260 240-497502/13	10.0	4.521453	20.0	810819.0	0.452145	Y
5	ICIS 240-497502/14	20.0	9.201308	20.0	816084.0	0.460065	Y
6	STD8260 240-497502/15	40.0	17.12422	20.0	898504.0	0.428105	Y
7	STD8260 240-497502/16	60.0	24.00168	20.0	1004728.0	0.400028	Y
8	STD8260 240-497502/17	80.0	32.24463	20.0	1010995.0	0.403058	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

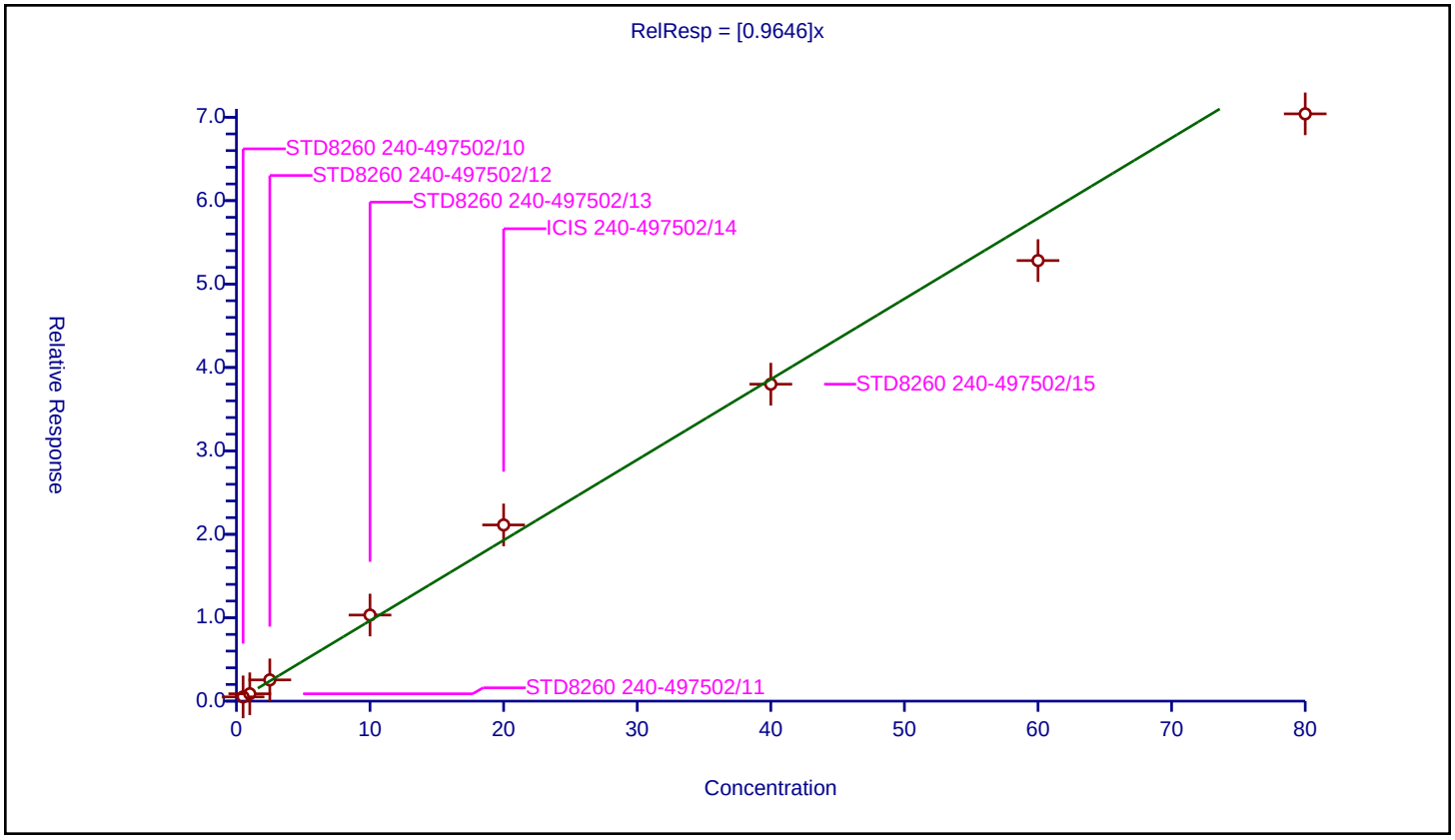
Curve Coefficients

Intercept:	0
Slope:	0.9646

Error Coefficients

Standard Error:	1830000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.508621	20.0	823049.0	1.017242	Y
2	STD8260 240-497502/11	1.0	0.882589	20.0	833321.0	0.882589	Y
3	STD8260 240-497502/12	2.5	2.545917	20.0	808031.0	1.018367	Y
4	STD8260 240-497502/13	10.0	10.320651	20.0	810819.0	1.032065	Y
5	ICIS 240-497502/14	20.0	21.123316	20.0	816084.0	1.056166	Y
6	STD8260 240-497502/15	40.0	37.998095	20.0	898504.0	0.949952	Y
7	STD8260 240-497502/16	60.0	52.815269	20.0	1004728.0	0.880254	Y
8	STD8260 240-497502/17	80.0	70.405175	20.0	1010995.0	0.880065	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

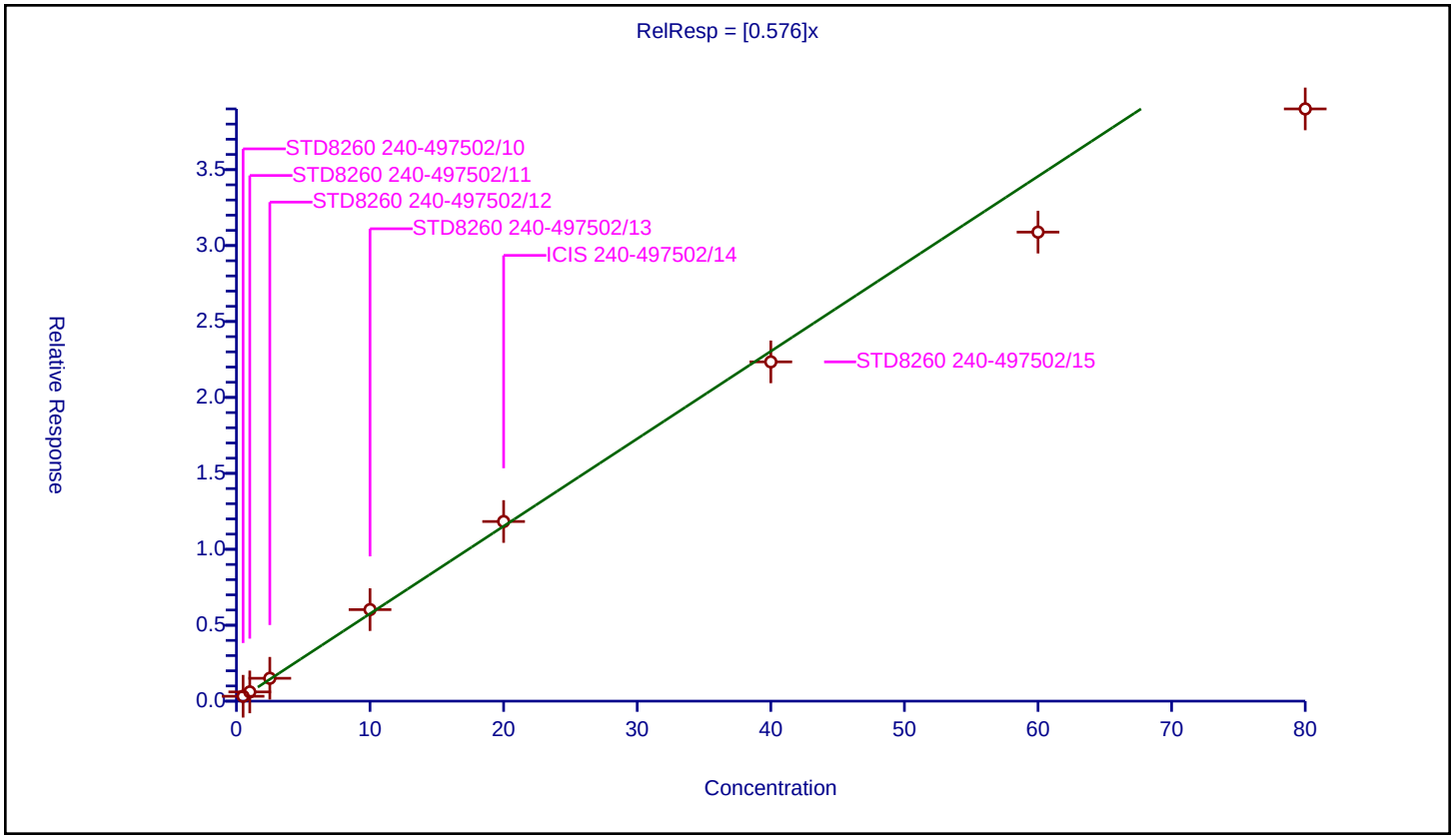
Curve Coefficients

Intercept:	0
Slope:	0.576

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	9.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.321172	20.0	823049.0	0.642343	Y
2	STD8260 240-497502/11	1.0	0.608121	20.0	833321.0	0.608121	Y
3	STD8260 240-497502/12	2.5	1.505957	20.0	808031.0	0.602383	Y
4	STD8260 240-497502/13	10.0	6.027288	20.0	810819.0	0.602729	Y
5	ICIS 240-497502/14	20.0	11.828758	20.0	816084.0	0.591438	Y
6	STD8260 240-497502/15	40.0	22.341982	20.0	898504.0	0.55855	Y
7	STD8260 240-497502/16	60.0	30.885394	20.0	1004728.0	0.514757	Y
8	STD8260 240-497502/17	80.0	38.99865	20.0	1010995.0	0.487483	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

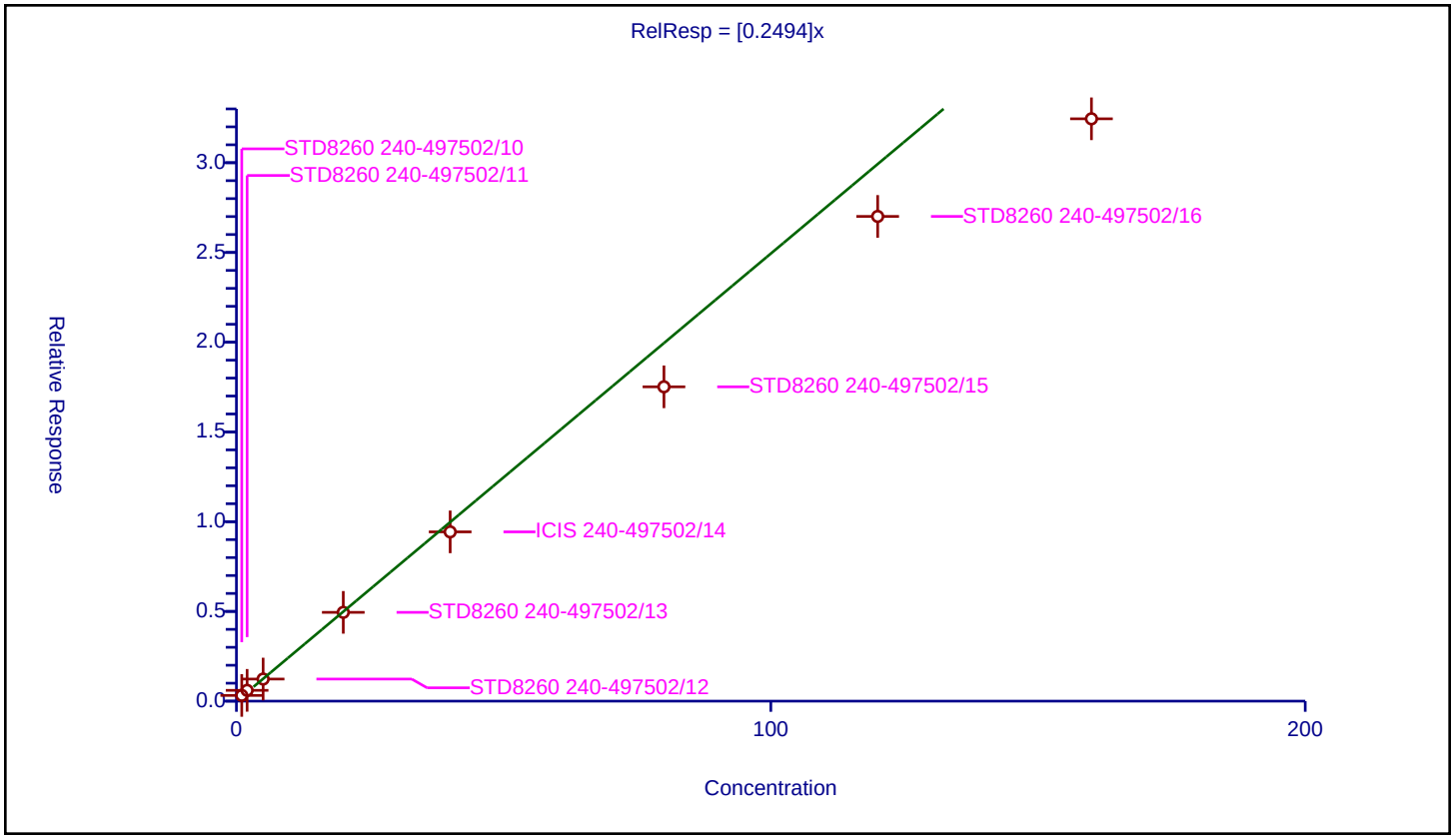
Curve Coefficients

Intercept:	0
Slope:	0.2494

Error Coefficients

Standard Error:	874000
Relative Standard Error:	16.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	1.0	0.318207	20.0	823049.0	0.318207	Y
2	STD8260 240-497502/11	2.0	0.601185	20.0	833321.0	0.300592	Y
3	STD8260 240-497502/12	5.0	1.231339	20.0	808031.0	0.246268	Y
4	STD8260 240-497502/13	20.0	4.946554	20.0	810819.0	0.247328	Y
5	ICIS 240-497502/14	40.0	9.43175	20.0	816084.0	0.235794	Y
6	STD8260 240-497502/15	80.0	17.514446	20.0	898504.0	0.218931	Y
7	STD8260 240-497502/16	120.0	27.008922	20.0	1004728.0	0.225074	Y
8	STD8260 240-497502/17	160.0	32.44746	20.0	1010995.0	0.202797	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

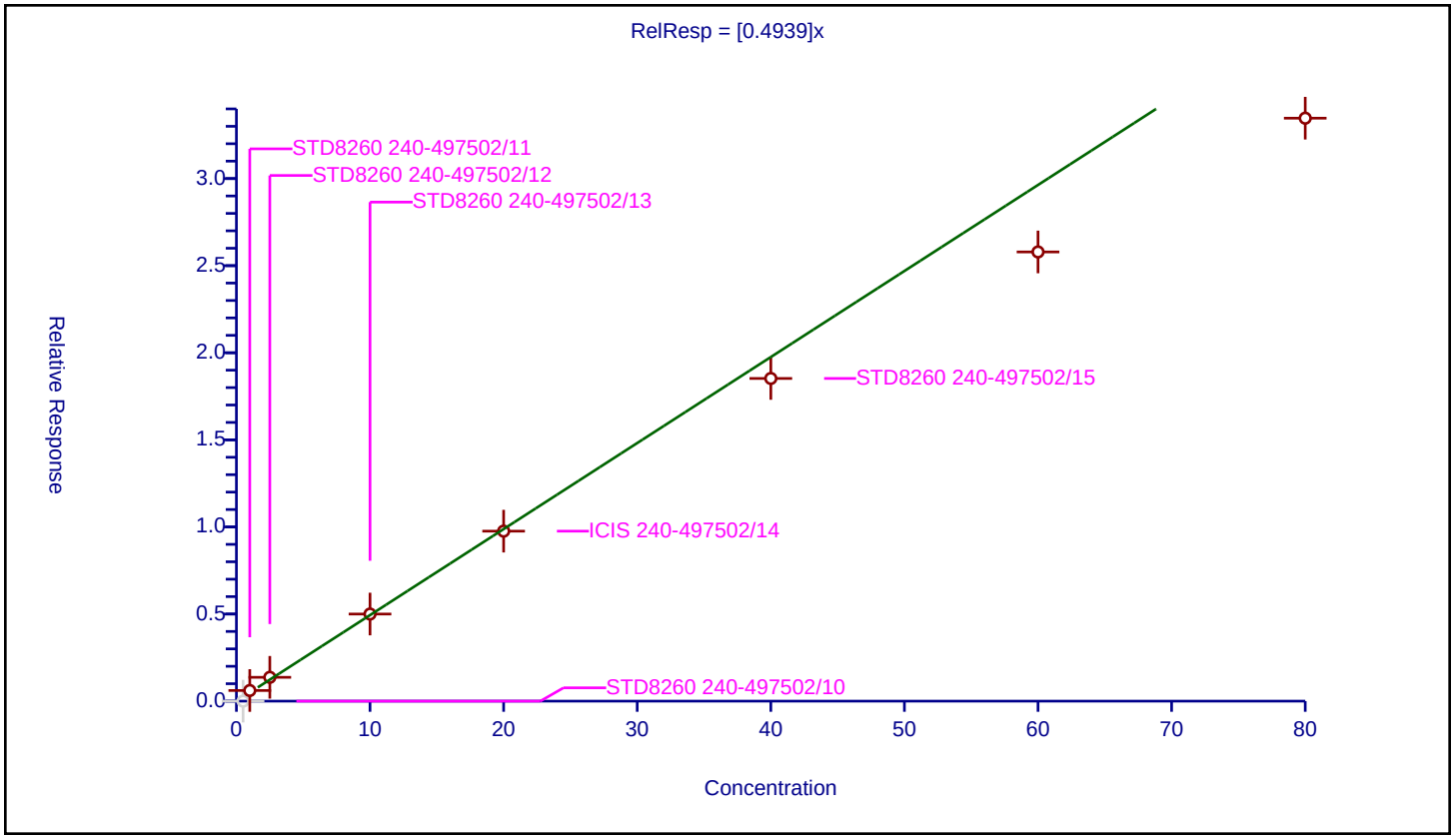
Curve Coefficients

Intercept:	0
Slope:	0.4939

Error Coefficients

Standard Error:	952000
Relative Standard Error:	13.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.0	20.0	823049.0	0.0	N
2	STD8260 240-497502/11	1.0	0.610665	20.0	833321.0	0.610665	Y
3	STD8260 240-497502/12	2.5	1.367769	20.0	808031.0	0.547108	Y
4	STD8260 240-497502/13	10.0	5.000869	20.0	810819.0	0.500087	Y
5	ICIS 240-497502/14	20.0	9.759363	20.0	816084.0	0.487968	Y
6	STD8260 240-497502/15	40.0	18.524681	20.0	898504.0	0.463117	Y
7	STD8260 240-497502/16	60.0	25.788353	20.0	1004728.0	0.429806	Y
8	STD8260 240-497502/17	80.0	33.465843	20.0	1010995.0	0.418323	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

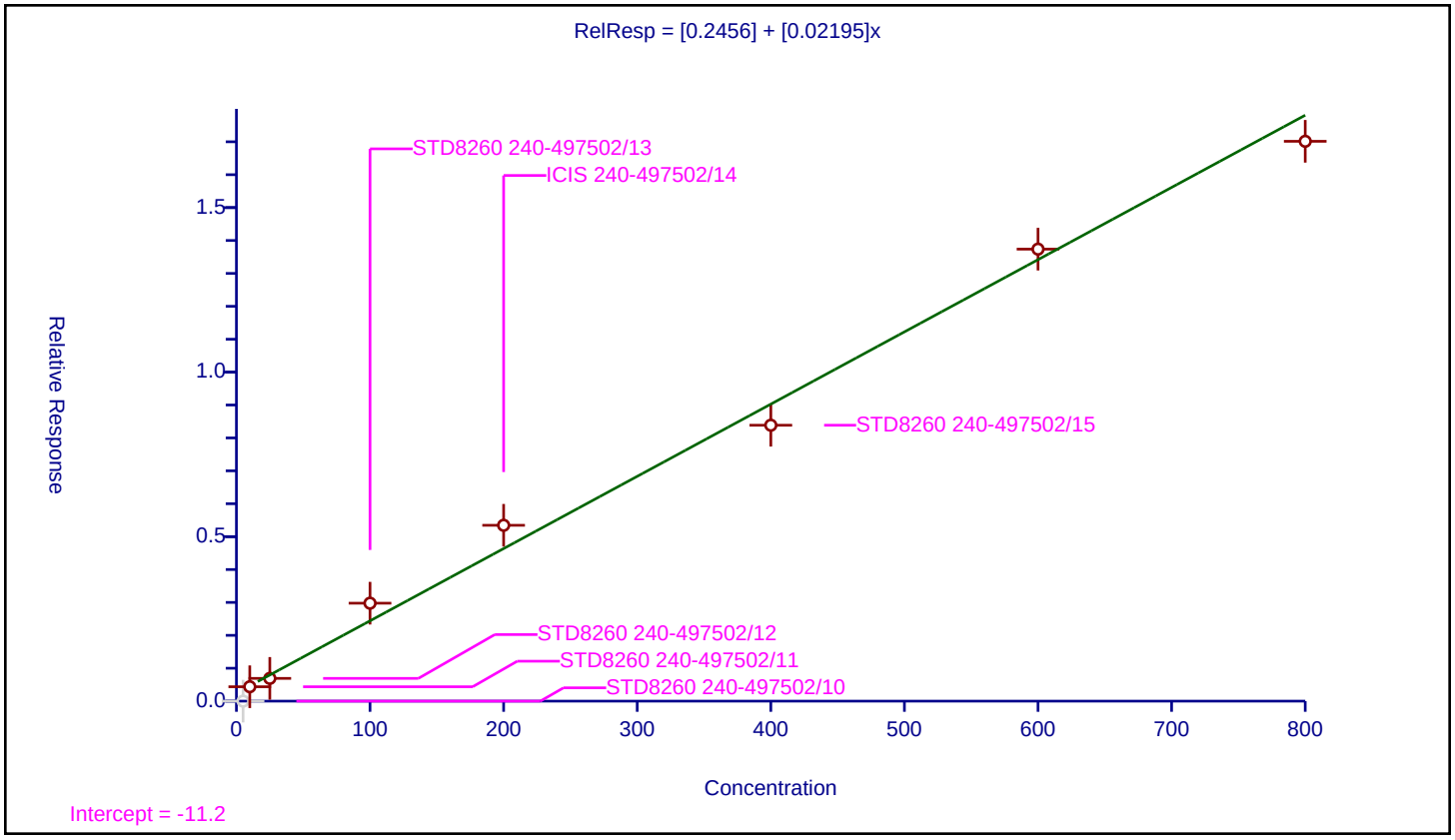
Curve Coefficients

Intercept:	0.2456
Slope:	0.02195

Error Coefficients

Standard Error:	533000
Relative Standard Error:	17.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	5.0	0.0	20.0	823049.0	0.0	N
2	STD8260 240-497502/11	10.0	0.437742	20.0	833321.0	0.043774	Y
3	STD8260 240-497502/12	25.0	0.691756	20.0	808031.0	0.02767	Y
4	STD8260 240-497502/13	100.0	2.977015	20.0	810819.0	0.02977	Y
5	ICIS 240-497502/14	200.0	5.344744	20.0	816084.0	0.026724	Y
6	STD8260 240-497502/15	400.0	8.385873	20.0	898504.0	0.020965	Y
7	STD8260 240-497502/16	600.0	13.737569	20.0	1004728.0	0.022896	Y
8	STD8260 240-497502/17	800.0	17.015218	20.0	1010995.0	0.021269	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

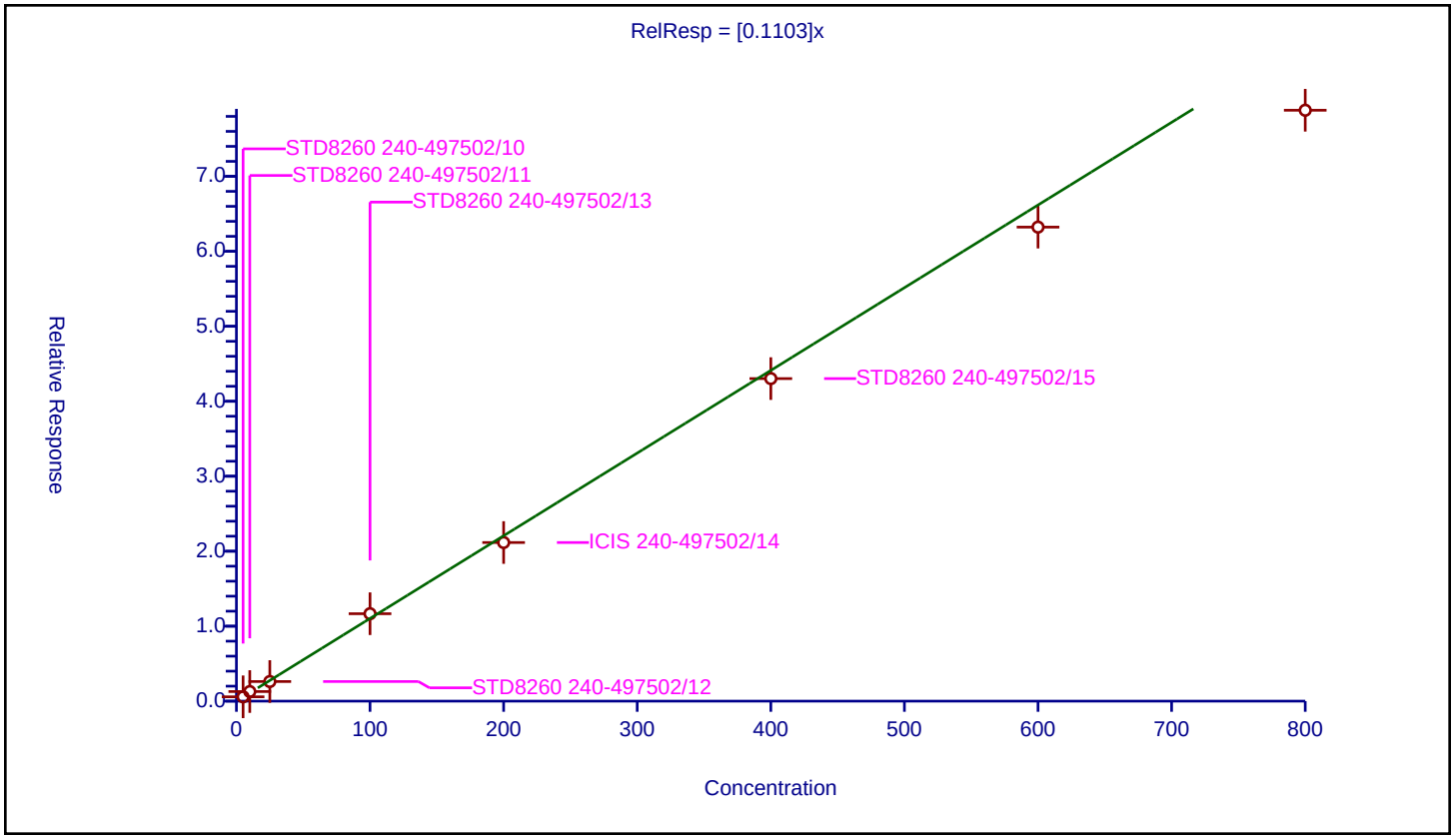
Curve Coefficients

Intercept:	0
Slope:	0.1103

Error Coefficients

Standard Error:	2090000
Relative Standard Error:	8.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	5.0	0.578459	20.0	823049.0	0.115692	Y
2	STD8260 240-497502/11	10.0	1.280587	20.0	833321.0	0.128059	Y
3	STD8260 240-497502/12	25.0	2.617697	20.0	808031.0	0.104708	Y
4	STD8260 240-497502/13	100.0	11.661468	20.0	810819.0	0.116615	Y
5	ICIS 240-497502/14	200.0	21.159341	20.0	816084.0	0.105797	Y
6	STD8260 240-497502/15	400.0	43.02623	20.0	898504.0	0.107566	Y
7	STD8260 240-497502/16	600.0	63.228237	20.0	1004728.0	0.10538	Y
8	STD8260 240-497502/17	800.0	78.817403	20.0	1010995.0	0.098522	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

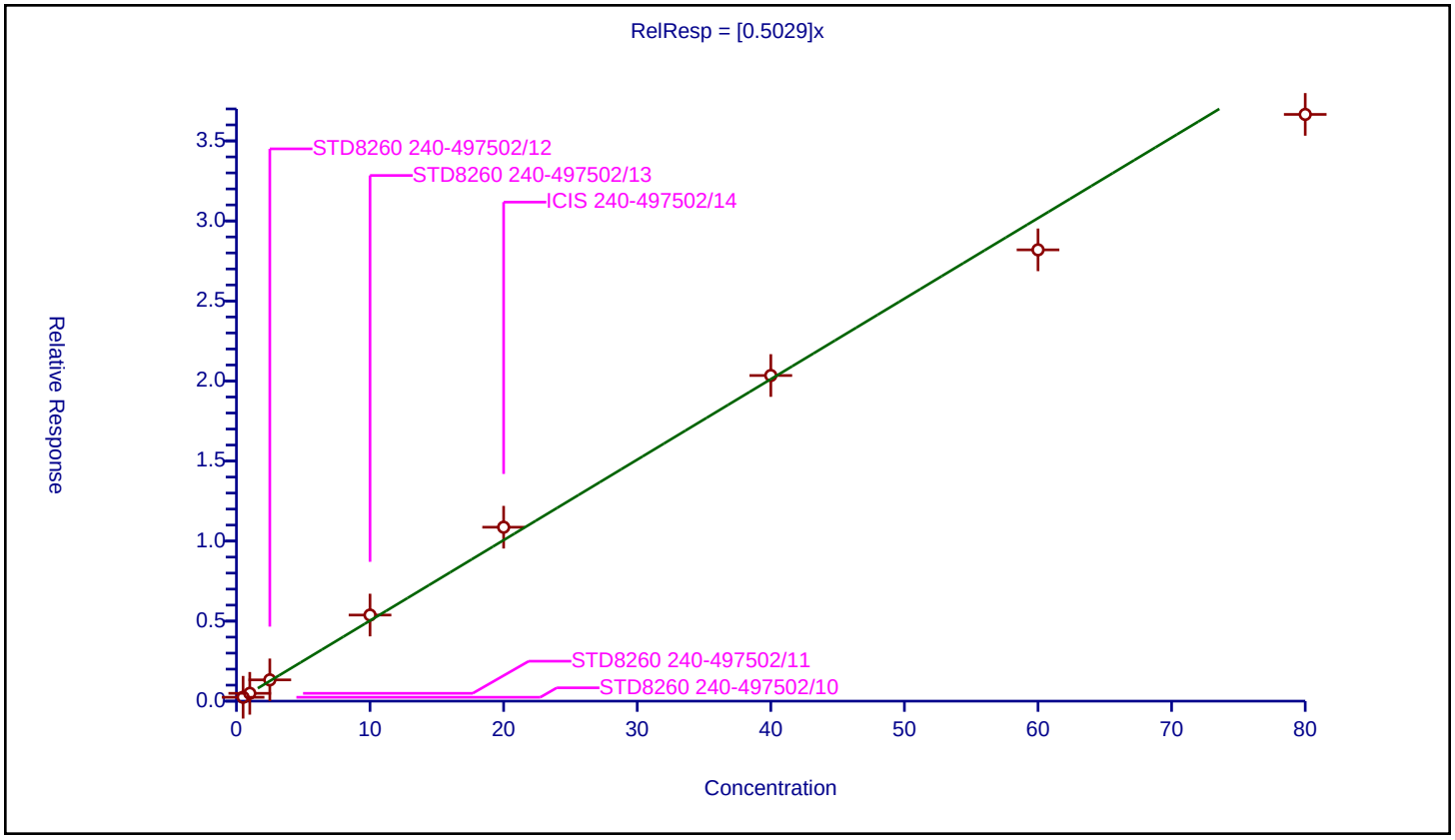
Curve Coefficients

Intercept:	0
Slope:	0.5029

Error Coefficients

Standard Error:	965000
Relative Standard Error:	6.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.242659	20.0	823049.0	0.485317	Y
2	STD8260 240-497502/11	1.0	0.488743	20.0	833321.0	0.488743	Y
3	STD8260 240-497502/12	2.5	1.328241	20.0	808031.0	0.531296	Y
4	STD8260 240-497502/13	10.0	5.378414	20.0	810819.0	0.537841	Y
5	ICIS 240-497502/14	20.0	10.865842	20.0	816084.0	0.543292	Y
6	STD8260 240-497502/15	40.0	20.344283	20.0	898504.0	0.508607	Y
7	STD8260 240-497502/16	60.0	28.194656	20.0	1004728.0	0.469911	Y
8	STD8260 240-497502/17	80.0	36.655117	20.0	1010995.0	0.458189	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

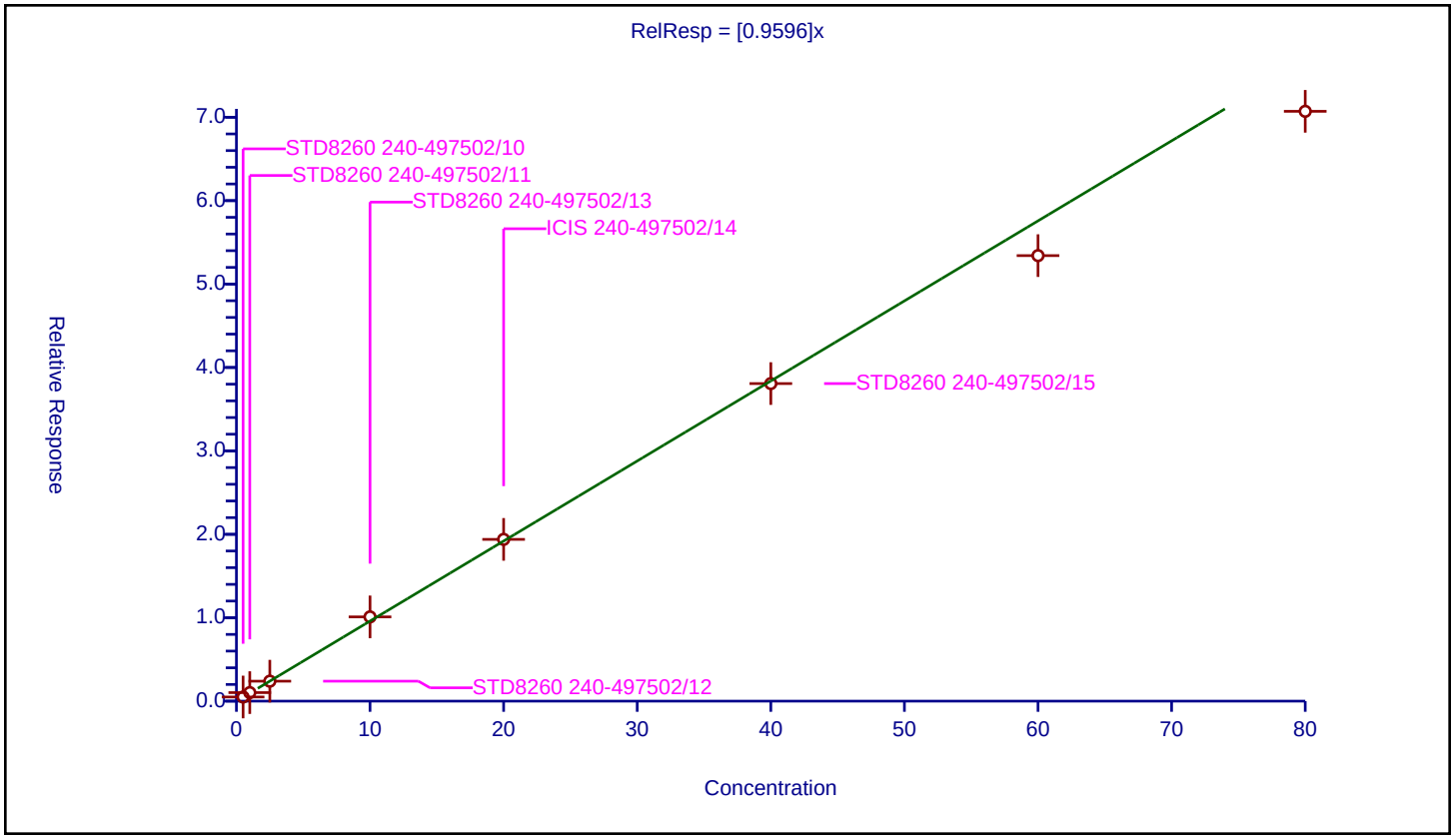
Curve Coefficients

Intercept:	0
Slope:	0.9596

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.495135	20.0	823049.0	0.990269	Y
2	STD8260 240-497502/11	1.0	1.023639	20.0	833321.0	1.023639	Y
3	STD8260 240-497502/12	2.5	2.393547	20.0	808031.0	0.957419	Y
4	STD8260 240-497502/13	10.0	10.100158	20.0	810819.0	1.010016	Y
5	ICIS 240-497502/14	20.0	19.392612	20.0	816084.0	0.969631	Y
6	STD8260 240-497502/15	40.0	38.069903	20.0	898504.0	0.951748	Y
7	STD8260 240-497502/16	60.0	53.41149	20.0	1004728.0	0.890192	Y
8	STD8260 240-497502/17	80.0	70.708915	20.0	1010995.0	0.883861	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

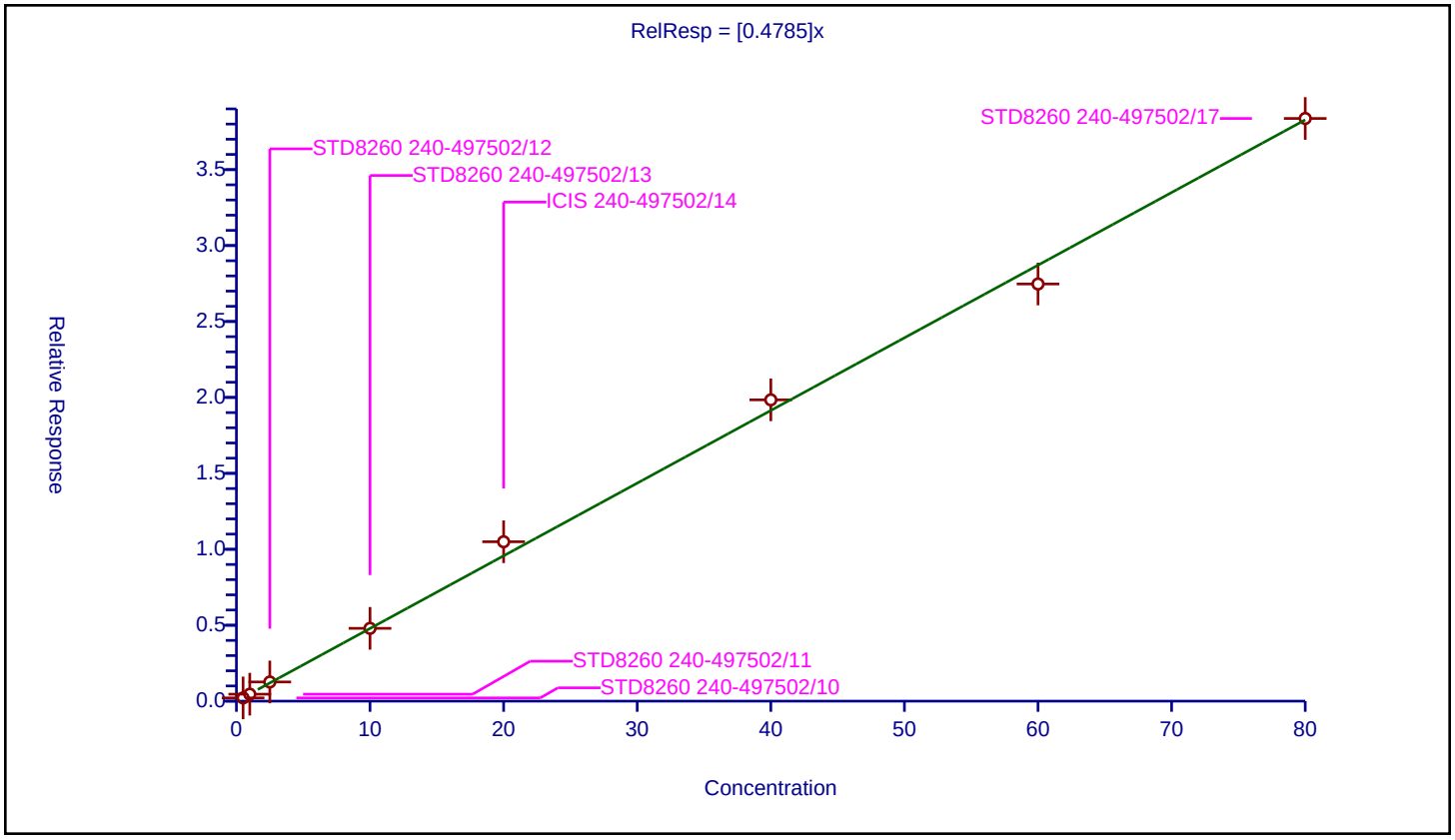
Curve Coefficients

Intercept:	0
Slope:	0.4785

Error Coefficients

Standard Error:	977000
Relative Standard Error:	6.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.213207	20.0	823049.0	0.426414	Y
2	STD8260 240-497502/11	1.0	0.458695	20.0	833321.0	0.458695	Y
3	STD8260 240-497502/12	2.5	1.262773	20.0	808031.0	0.505109	Y
4	STD8260 240-497502/13	10.0	4.794708	20.0	810819.0	0.479471	Y
5	ICIS 240-497502/14	20.0	10.495415	20.0	816084.0	0.524771	Y
6	STD8260 240-497502/15	40.0	19.839934	20.0	898504.0	0.495998	Y
7	STD8260 240-497502/16	60.0	27.469305	20.0	1004728.0	0.457822	Y
8	STD8260 240-497502/17	80.0	38.369013	20.0	1010995.0	0.479613	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

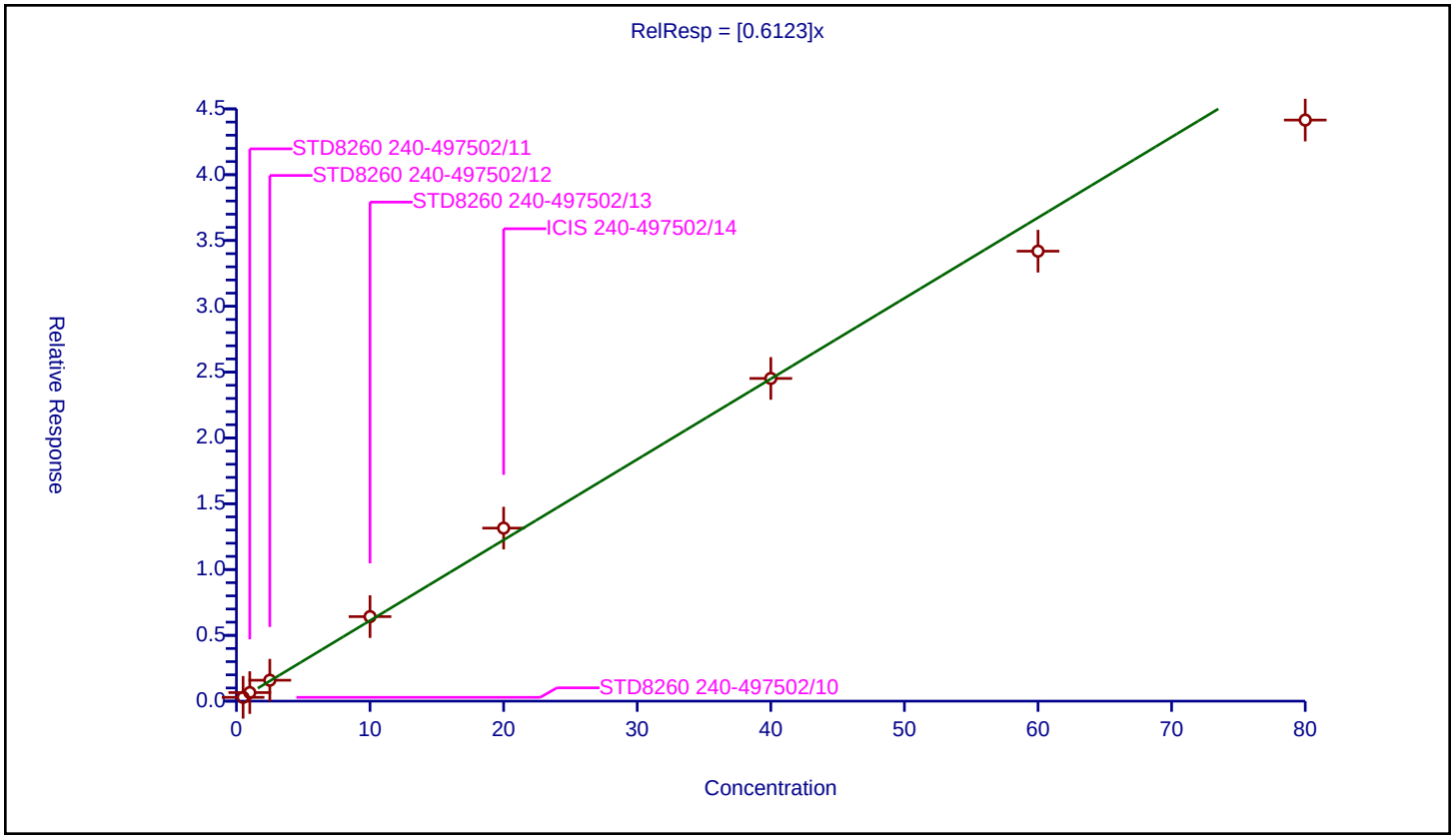
Curve Coefficients

Intercept:	0
Slope:	0.6123

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	6.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.28844	20.0	823049.0	0.576879	Y
2	STD8260 240-497502/11	1.0	0.650962	20.0	833321.0	0.650962	Y
3	STD8260 240-497502/12	2.5	1.590112	20.0	808031.0	0.636045	Y
4	STD8260 240-497502/13	10.0	6.421704	20.0	810819.0	0.64217	Y
5	ICIS 240-497502/14	20.0	13.14774	20.0	816084.0	0.657387	Y
6	STD8260 240-497502/15	40.0	24.51978	20.0	898504.0	0.612994	Y
7	STD8260 240-497502/16	60.0	34.188775	20.0	1004728.0	0.569813	Y
8	STD8260 240-497502/17	80.0	44.151158	20.0	1010995.0	0.551889	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

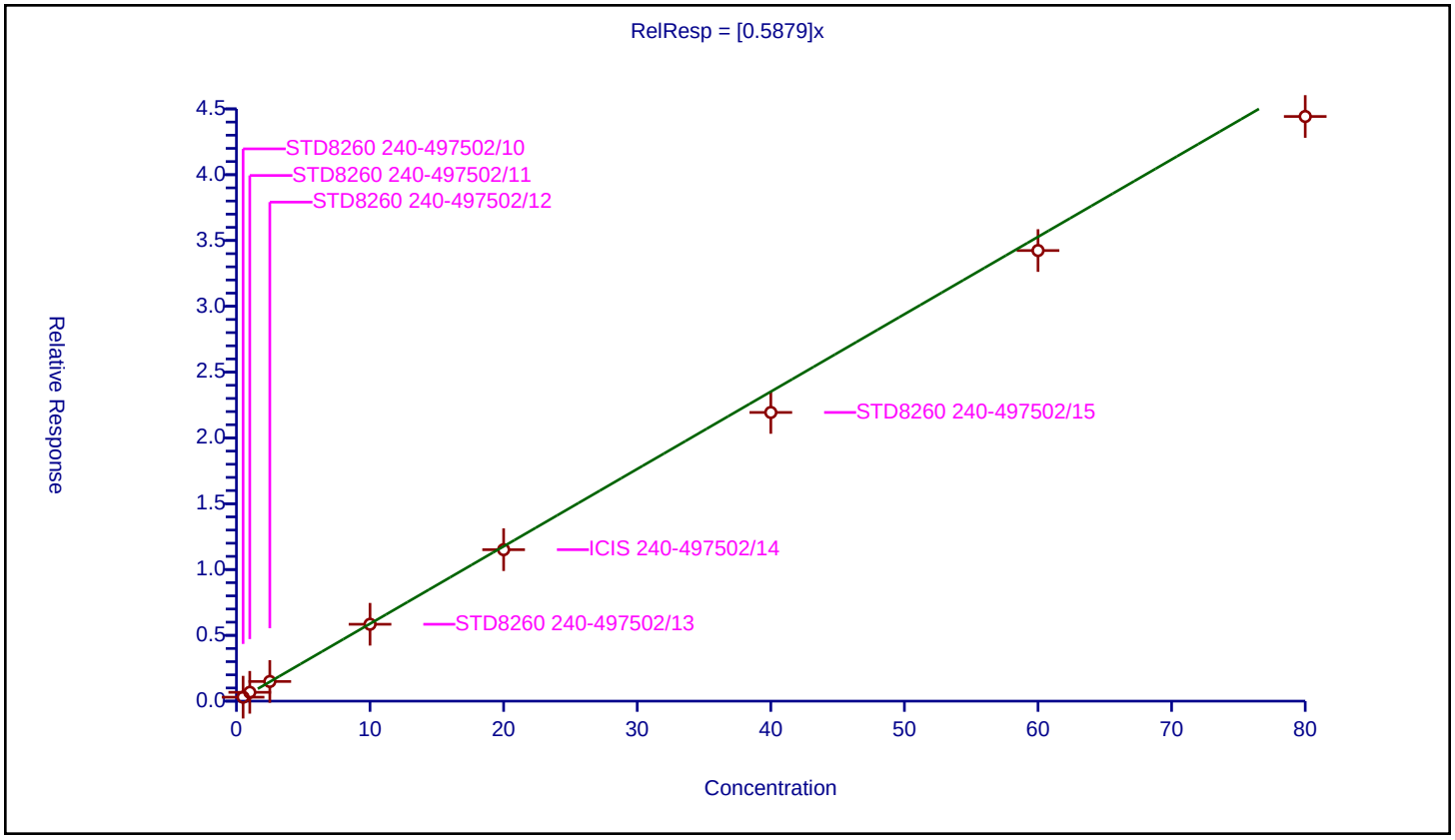
Curve Coefficients

Intercept:	0
Slope:	0.5879

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	6.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.301003	20.0	823049.0	0.602005	Y
2	STD8260 240-497502/11	1.0	0.669874	20.0	833321.0	0.669874	Y
3	STD8260 240-497502/12	2.5	1.494324	20.0	808031.0	0.59773	Y
4	STD8260 240-497502/13	10.0	5.842167	20.0	810819.0	0.584217	Y
5	ICIS 240-497502/14	20.0	11.508007	20.0	816084.0	0.5754	Y
6	STD8260 240-497502/15	40.0	21.935016	20.0	898504.0	0.548375	Y
7	STD8260 240-497502/16	60.0	34.237903	20.0	1004728.0	0.570632	Y
8	STD8260 240-497502/17	80.0	44.422851	20.0	1010995.0	0.555286	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

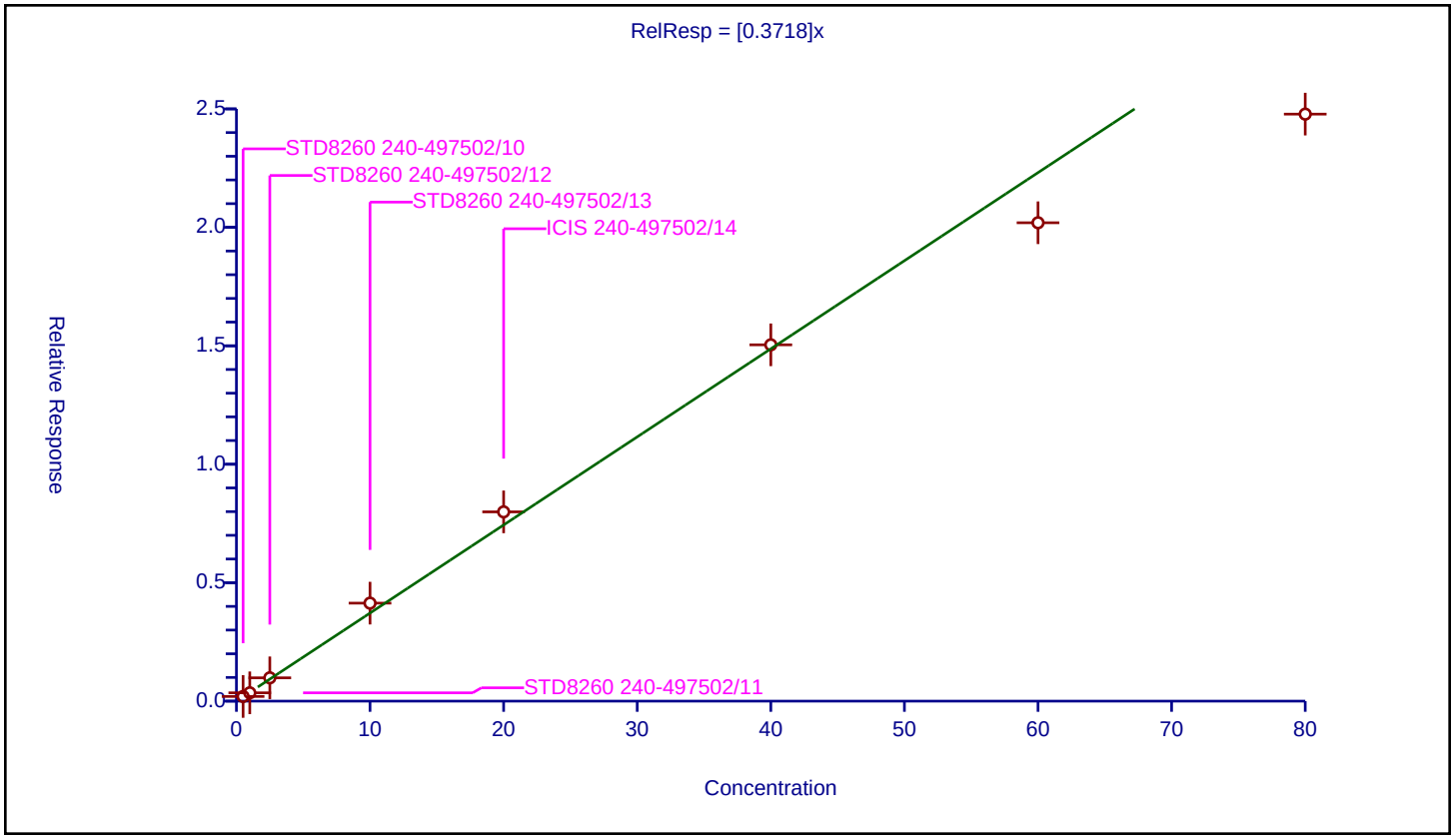
Curve Coefficients

Intercept:	0
Slope:	0.3718

Error Coefficients

Standard Error:	675000
Relative Standard Error:	9.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.196999	20.0	823049.0	0.393998	Y
2	STD8260 240-497502/11	1.0	0.351461	20.0	833321.0	0.351461	Y
3	STD8260 240-497502/12	2.5	0.983898	20.0	808031.0	0.393559	Y
4	STD8260 240-497502/13	10.0	4.136731	20.0	810819.0	0.413673	Y
5	ICIS 240-497502/14	20.0	7.989888	20.0	816084.0	0.399494	Y
6	STD8260 240-497502/15	40.0	15.041491	20.0	898504.0	0.376037	Y
7	STD8260 240-497502/16	60.0	20.193704	20.0	1004728.0	0.336562	Y
8	STD8260 240-497502/17	80.0	24.779213	20.0	1010995.0	0.30974	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

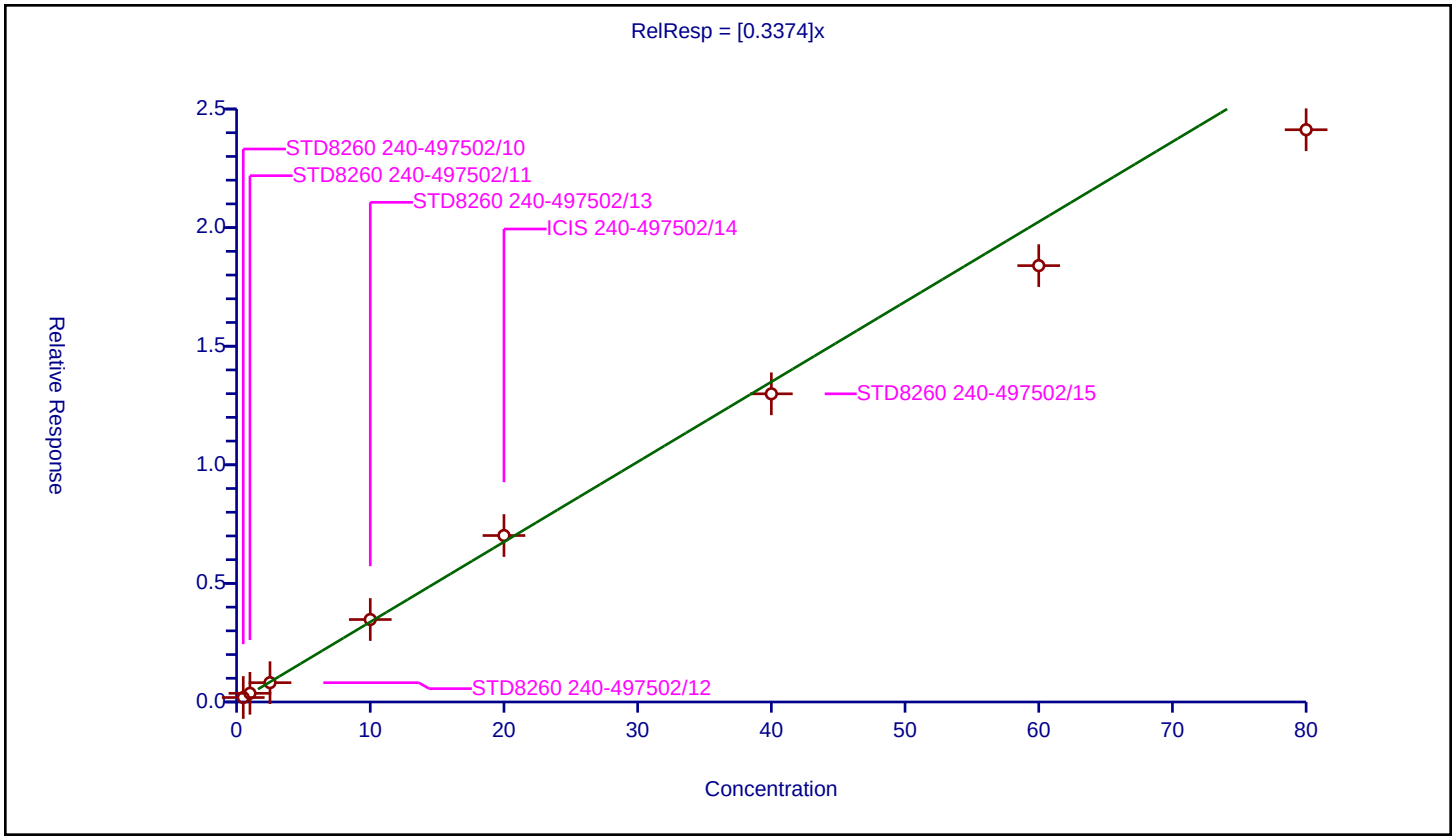
Curve Coefficients

Intercept:	0
Slope:	0.3374

Error Coefficients

Standard Error:	631000
Relative Standard Error:	8.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.188105	20.0	823049.0	0.376211	Y
2	STD8260 240-497502/11	1.0	0.365597	20.0	833321.0	0.365597	Y
3	STD8260 240-497502/12	2.5	0.814894	20.0	808031.0	0.325958	Y
4	STD8260 240-497502/13	10.0	3.477003	20.0	810819.0	0.3477	Y
5	ICIS 240-497502/14	20.0	7.018836	20.0	816084.0	0.350942	Y
6	STD8260 240-497502/15	40.0	12.992307	20.0	898504.0	0.324808	Y
7	STD8260 240-497502/16	60.0	18.397079	20.0	1004728.0	0.306618	Y
8	STD8260 240-497502/17	80.0	24.126905	20.0	1010995.0	0.301586	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

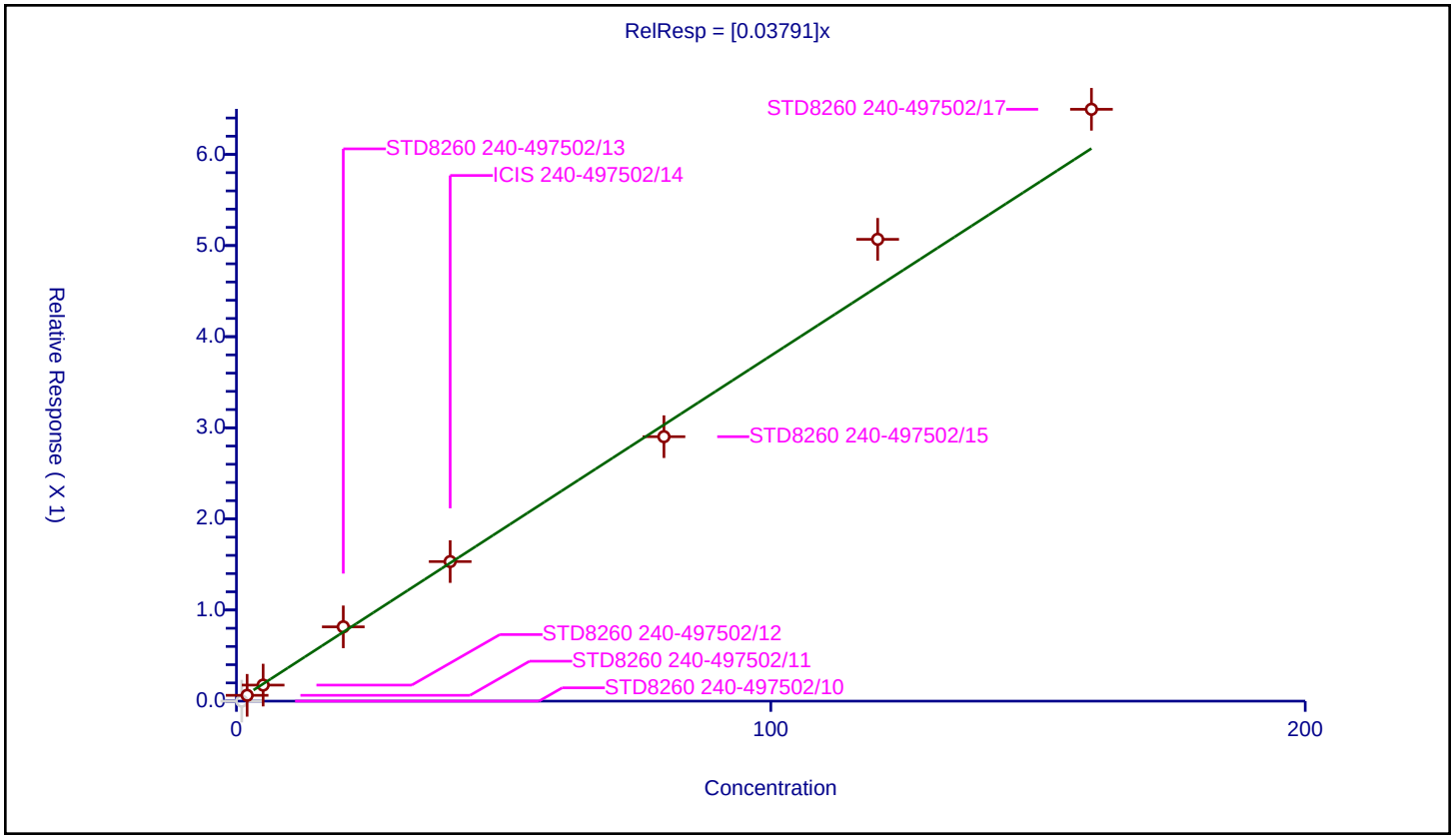
Curve Coefficients

Intercept:	0
Slope:	0.03791

Error Coefficients

Standard Error:	180000
Relative Standard Error:	9.6
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	1.0	0.0	20.0	823049.0	0.0	N
2	STD8260 240-497502/11	2.0	0.063865	20.0	833321.0	0.031932	Y
3	STD8260 240-497502/12	5.0	0.176256	20.0	808031.0	0.035251	Y
4	STD8260 240-497502/13	20.0	0.815472	20.0	810819.0	0.040774	Y
5	ICIS 240-497502/14	40.0	1.531828	20.0	816084.0	0.038296	Y
6	STD8260 240-497502/15	80.0	2.902424	20.0	898504.0	0.03628	Y
7	STD8260 240-497502/16	120.0	5.068496	20.0	1004728.0	0.042237	Y
8	STD8260 240-497502/17	160.0	6.495542	20.0	1010995.0	0.040597	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

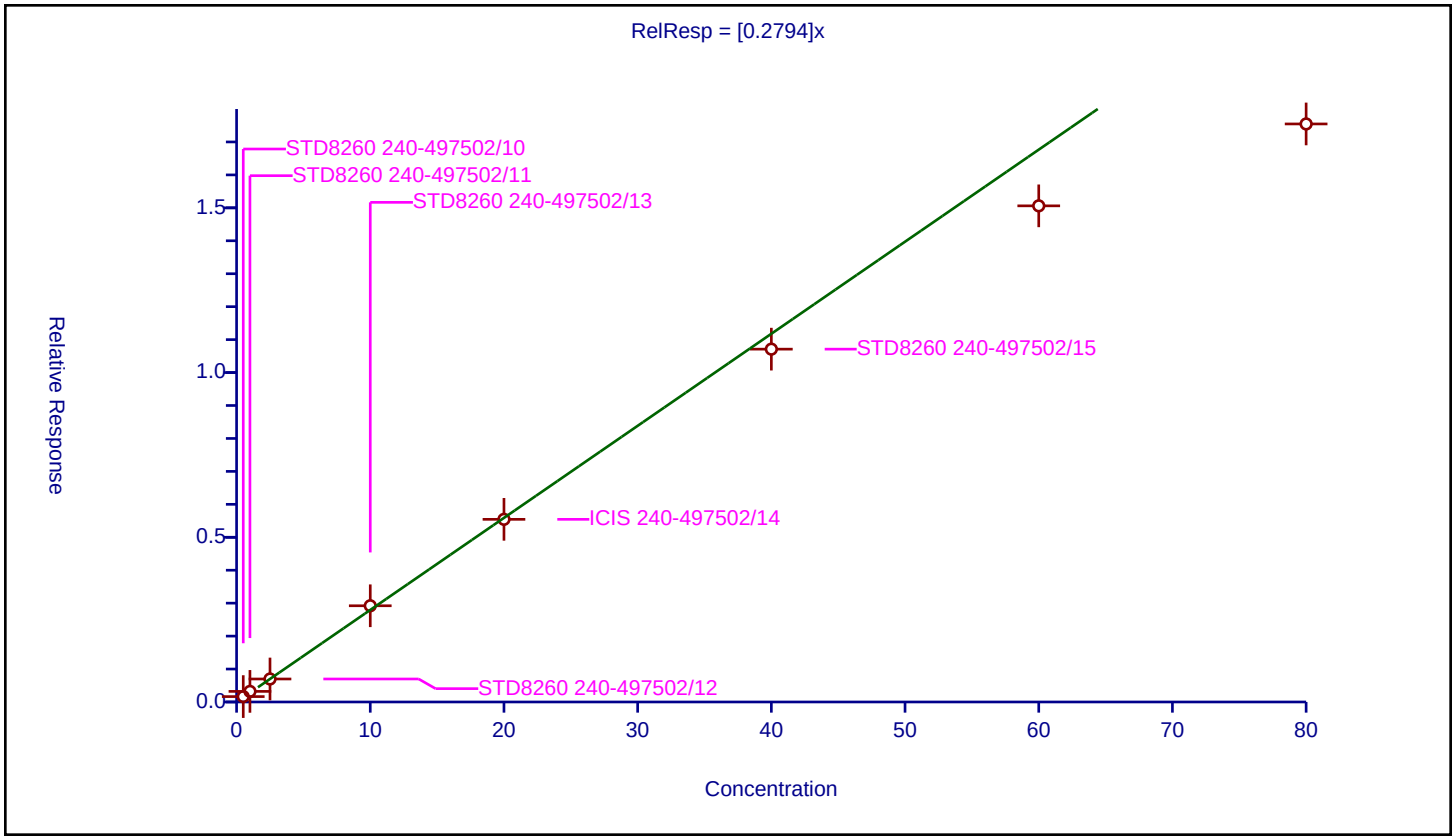
Curve Coefficients

Intercept:	0
Slope:	0.2794

Error Coefficients

Standard Error:	487000
Relative Standard Error:	12.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.163684	20.0	823049.0	0.327368	Y
2	STD8260 240-497502/11	1.0	0.321437	20.0	833321.0	0.321437	Y
3	STD8260 240-497502/12	2.5	0.698191	20.0	808031.0	0.279276	Y
4	STD8260 240-497502/13	10.0	2.920948	20.0	810819.0	0.292095	Y
5	ICIS 240-497502/14	20.0	5.544135	20.0	816084.0	0.277207	Y
6	STD8260 240-497502/15	40.0	10.710603	20.0	898504.0	0.267765	Y
7	STD8260 240-497502/16	60.0	15.060673	20.0	1004728.0	0.251011	Y
8	STD8260 240-497502/17	80.0	17.546912	20.0	1010995.0	0.219336	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

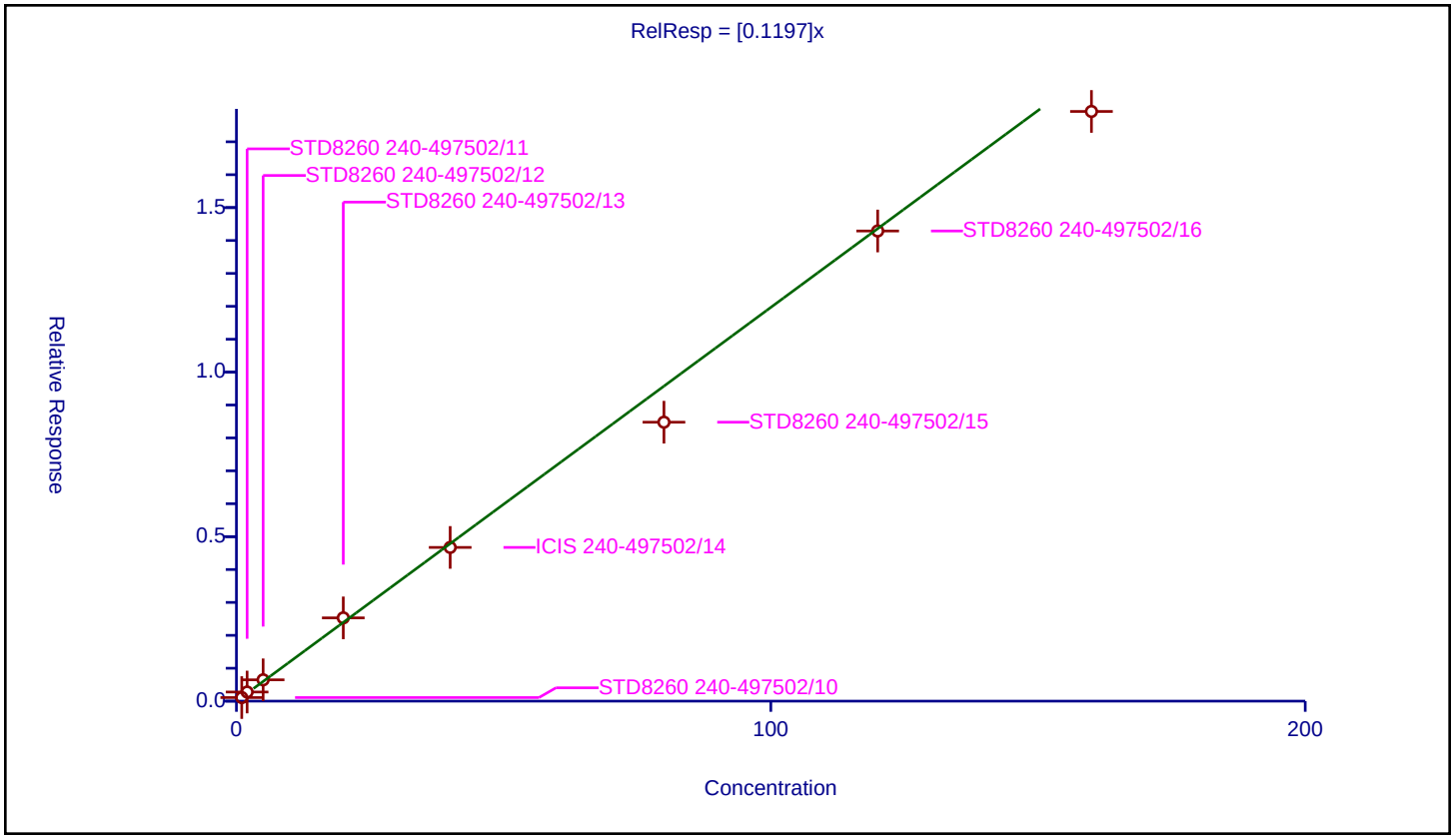
Curve Coefficients

Intercept:	0
Slope:	0.1197

Error Coefficients

Standard Error:	467000
Relative Standard Error:	9.4
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	1.0	0.108669	20.0	823049.0	0.108669	Y
2	STD8260 240-497502/11	2.0	0.277324	20.0	833321.0	0.138662	Y
3	STD8260 240-497502/12	5.0	0.648044	20.0	808031.0	0.129609	Y
4	STD8260 240-497502/13	20.0	2.531218	20.0	810819.0	0.126561	Y
5	ICIS 240-497502/14	40.0	4.671725	20.0	816084.0	0.116793	Y
6	STD8260 240-497502/15	80.0	8.478137	20.0	898504.0	0.105977	Y
7	STD8260 240-497502/16	120.0	14.289619	20.0	1004728.0	0.11908	Y
8	STD8260 240-497502/17	160.0	17.922324	20.0	1010995.0	0.112015	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

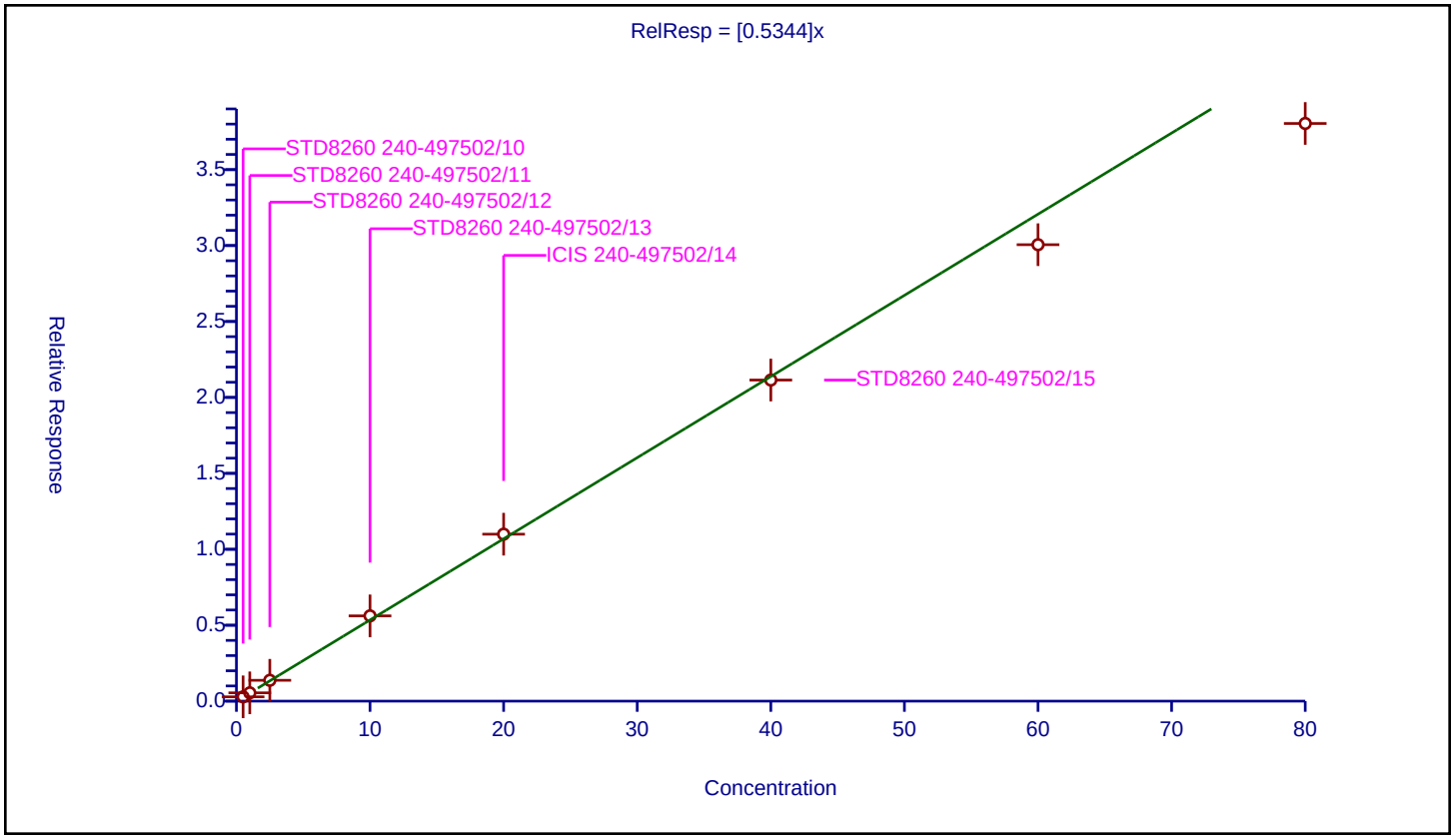
Curve Coefficients

Intercept:	0
Slope:	0.5344

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.282462	20.0	823049.0	0.564924	Y
2	STD8260 240-497502/11	1.0	0.545552	20.0	833321.0	0.545552	Y
3	STD8260 240-497502/12	2.5	1.371556	20.0	808031.0	0.548623	Y
4	STD8260 240-497502/13	10.0	5.615655	20.0	810819.0	0.561566	Y
5	ICIS 240-497502/14	20.0	10.994309	20.0	816084.0	0.549715	Y
6	STD8260 240-497502/15	40.0	21.143345	20.0	898504.0	0.528584	Y
7	STD8260 240-497502/16	60.0	30.056811	20.0	1004728.0	0.500947	Y
8	STD8260 240-497502/17	80.0	38.041078	20.0	1010995.0	0.475513	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

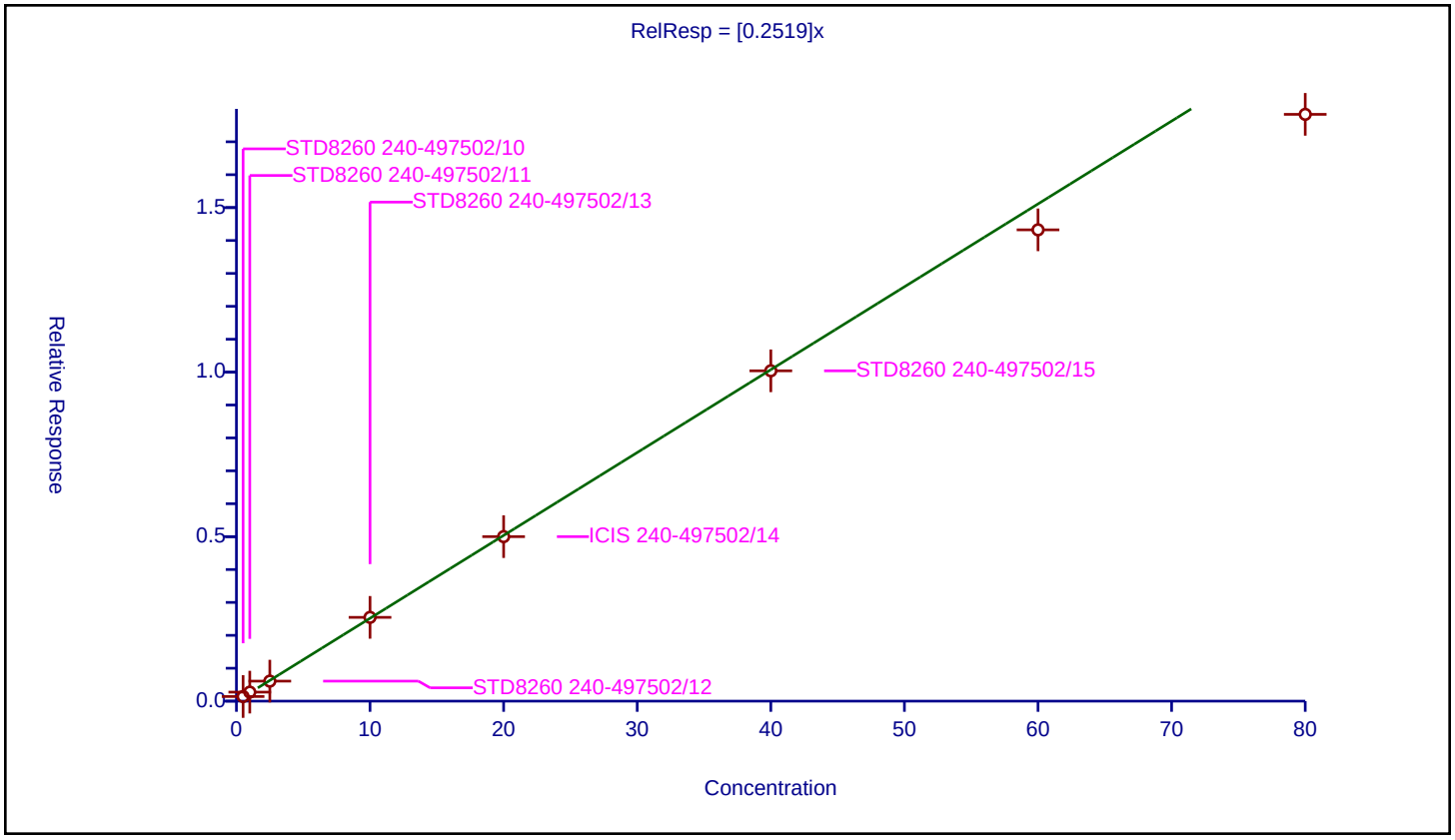
Curve Coefficients

Intercept:	0
Slope:	0.2519

Error Coefficients

Standard Error:	476000
Relative Standard Error:	7.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.140089	20.0	823049.0	0.280178	Y
2	STD8260 240-497502/11	1.0	0.274204	20.0	833321.0	0.274204	Y
3	STD8260 240-497502/12	2.5	0.607996	20.0	808031.0	0.243199	Y
4	STD8260 240-497502/13	10.0	2.546166	20.0	810819.0	0.254617	Y
5	ICIS 240-497502/14	20.0	4.999681	20.0	816084.0	0.249984	Y
6	STD8260 240-497502/15	40.0	10.039733	20.0	898504.0	0.250993	Y
7	STD8260 240-497502/16	60.0	14.323956	20.0	1004728.0	0.238733	Y
8	STD8260 240-497502/17	80.0	17.834213	20.0	1010995.0	0.222928	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

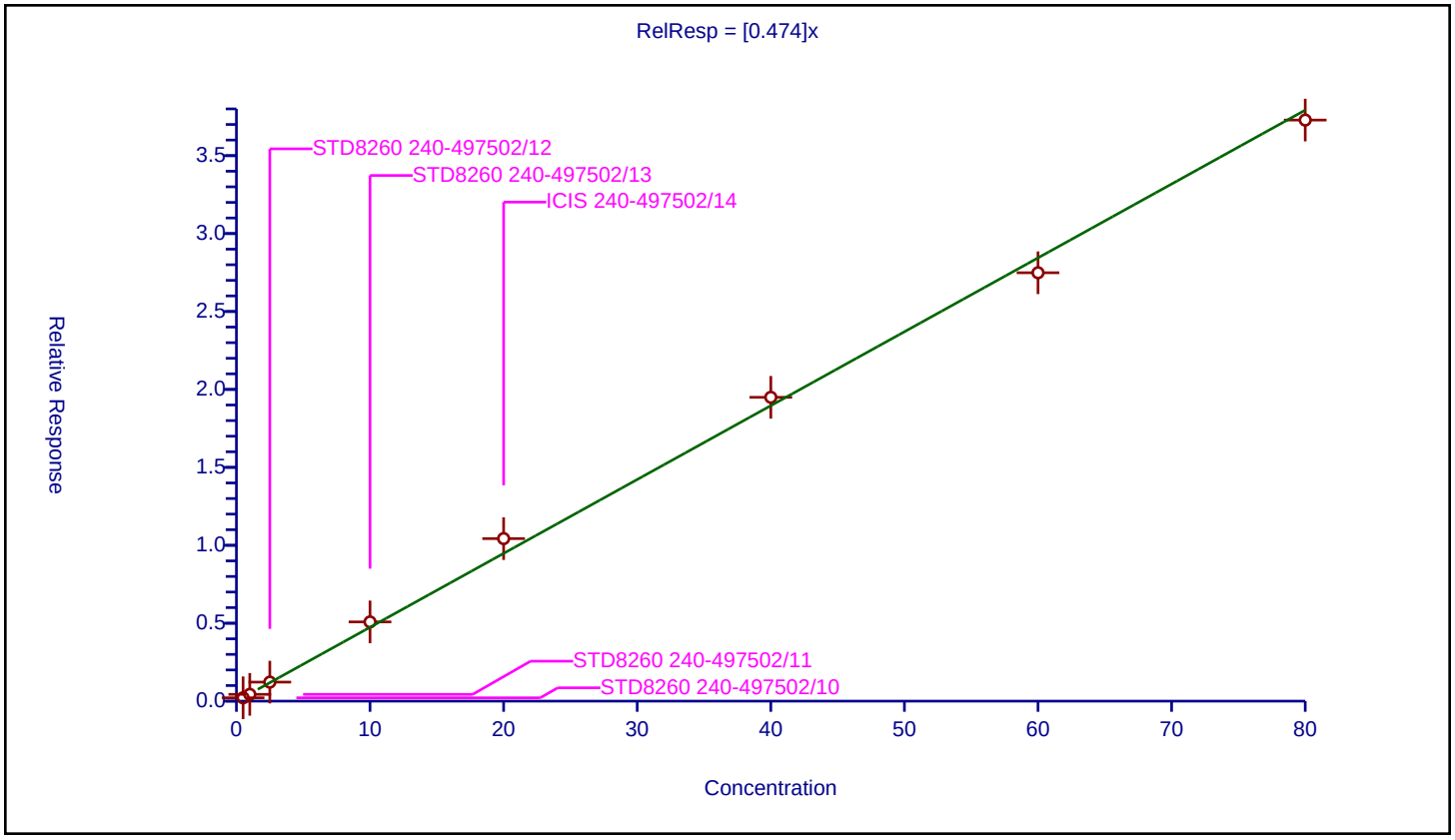
Curve Coefficients

Intercept:	0
Slope:	0.474

Error Coefficients

Standard Error:	960000
Relative Standard Error:	7.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.213693	20.0	823049.0	0.427386	Y
2	STD8260 240-497502/11	1.0	0.435006	20.0	833321.0	0.435006	Y
3	STD8260 240-497502/12	2.5	1.220869	20.0	808031.0	0.488348	Y
4	STD8260 240-497502/13	10.0	5.083206	20.0	810819.0	0.508321	Y
5	ICIS 240-497502/14	20.0	10.428804	20.0	816084.0	0.52144	Y
6	STD8260 240-497502/15	40.0	19.494449	20.0	898504.0	0.487361	Y
7	STD8260 240-497502/16	60.0	27.486205	20.0	1004728.0	0.458103	Y
8	STD8260 240-497502/17	80.0	37.283251	20.0	1010995.0	0.466041	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

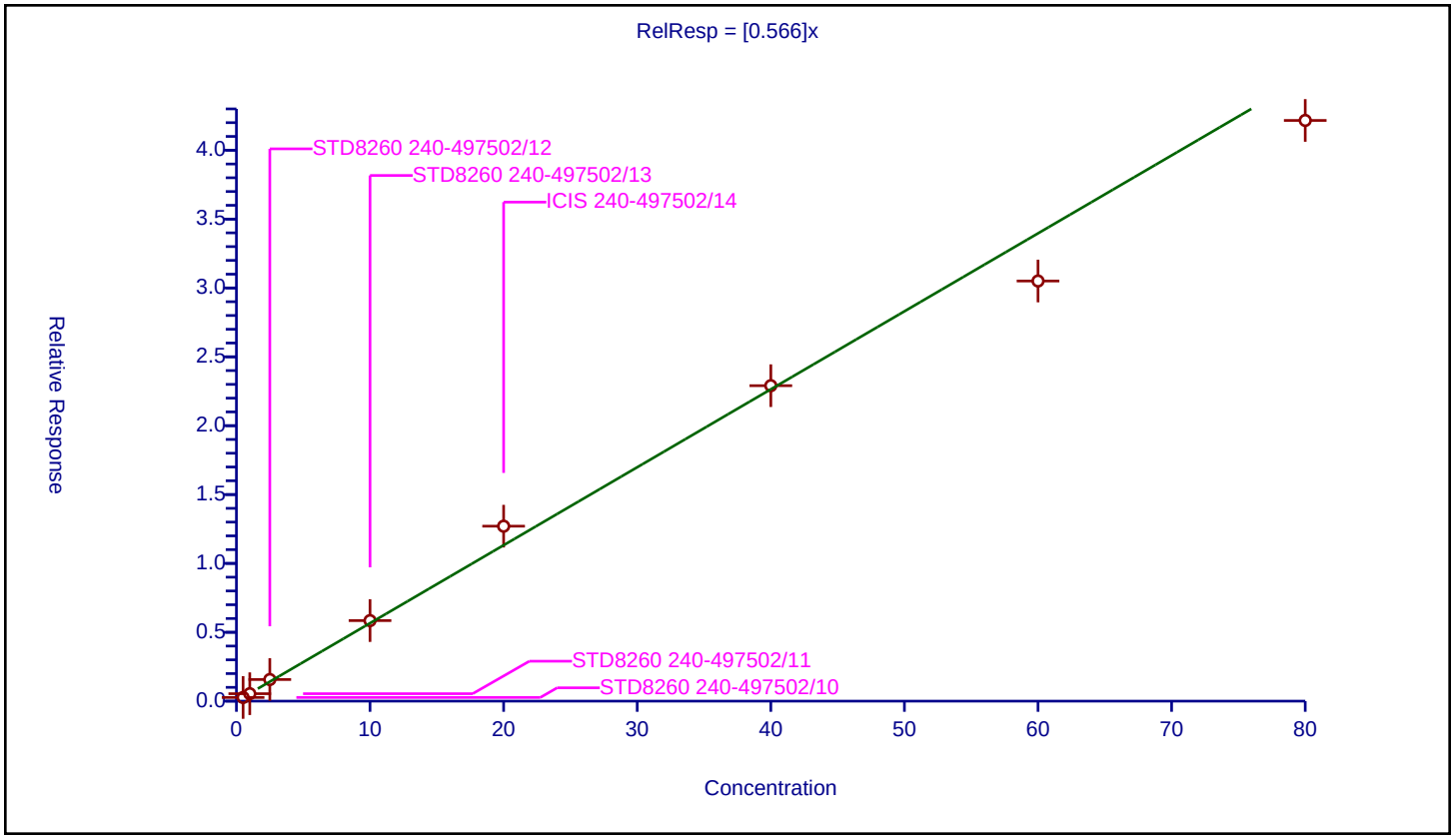
Curve Coefficients

Intercept:	0
Slope:	0.566

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	8.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.266084	20.0	823049.0	0.532168	Y
2	STD8260 240-497502/11	1.0	0.540488	20.0	833321.0	0.540488	Y
3	STD8260 240-497502/12	2.5	1.569445	20.0	808031.0	0.627778	Y
4	STD8260 240-497502/13	10.0	5.847668	20.0	810819.0	0.584767	Y
5	ICIS 240-497502/14	20.0	12.702835	20.0	816084.0	0.635142	Y
6	STD8260 240-497502/15	40.0	22.904116	20.0	898504.0	0.572603	Y
7	STD8260 240-497502/16	60.0	30.503898	20.0	1004728.0	0.508398	Y
8	STD8260 240-497502/17	80.0	42.160901	20.0	1010995.0	0.527011	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

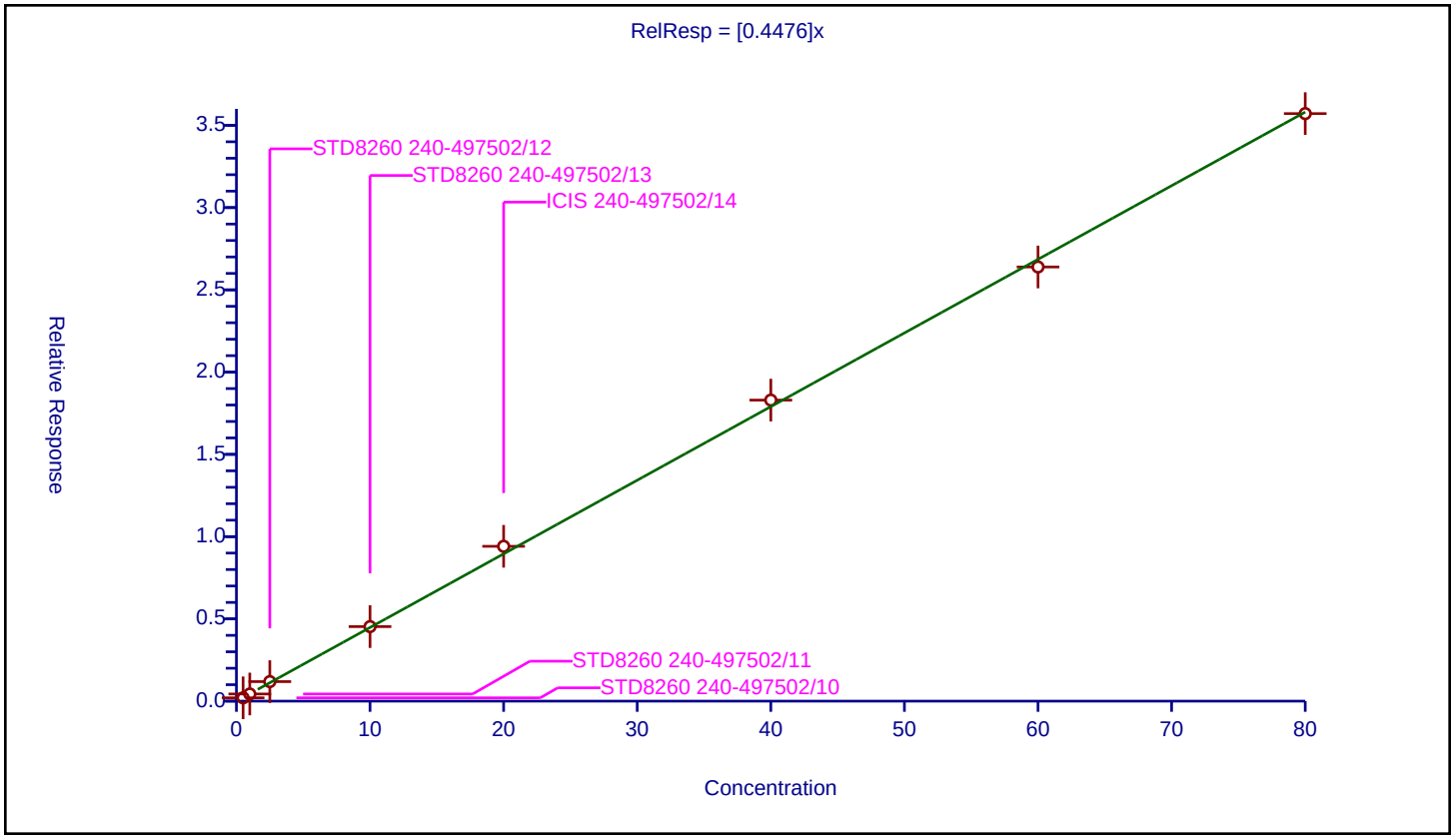
Curve Coefficients

Intercept:	0
Slope:	0.4476

Error Coefficients

Standard Error:	916000
Relative Standard Error:	5.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.201811	20.0	823049.0	0.403621	Y
2	STD8260 240-497502/11	1.0	0.434622	20.0	833321.0	0.434622	Y
3	STD8260 240-497502/12	2.5	1.187727	20.0	808031.0	0.475091	Y
4	STD8260 240-497502/13	10.0	4.530358	20.0	810819.0	0.453036	Y
5	ICIS 240-497502/14	20.0	9.411776	20.0	816084.0	0.470589	Y
6	STD8260 240-497502/15	40.0	18.297681	20.0	898504.0	0.457442	Y
7	STD8260 240-497502/16	60.0	26.39168	20.0	1004728.0	0.439861	Y
8	STD8260 240-497502/17	80.0	35.713846	20.0	1010995.0	0.446423	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

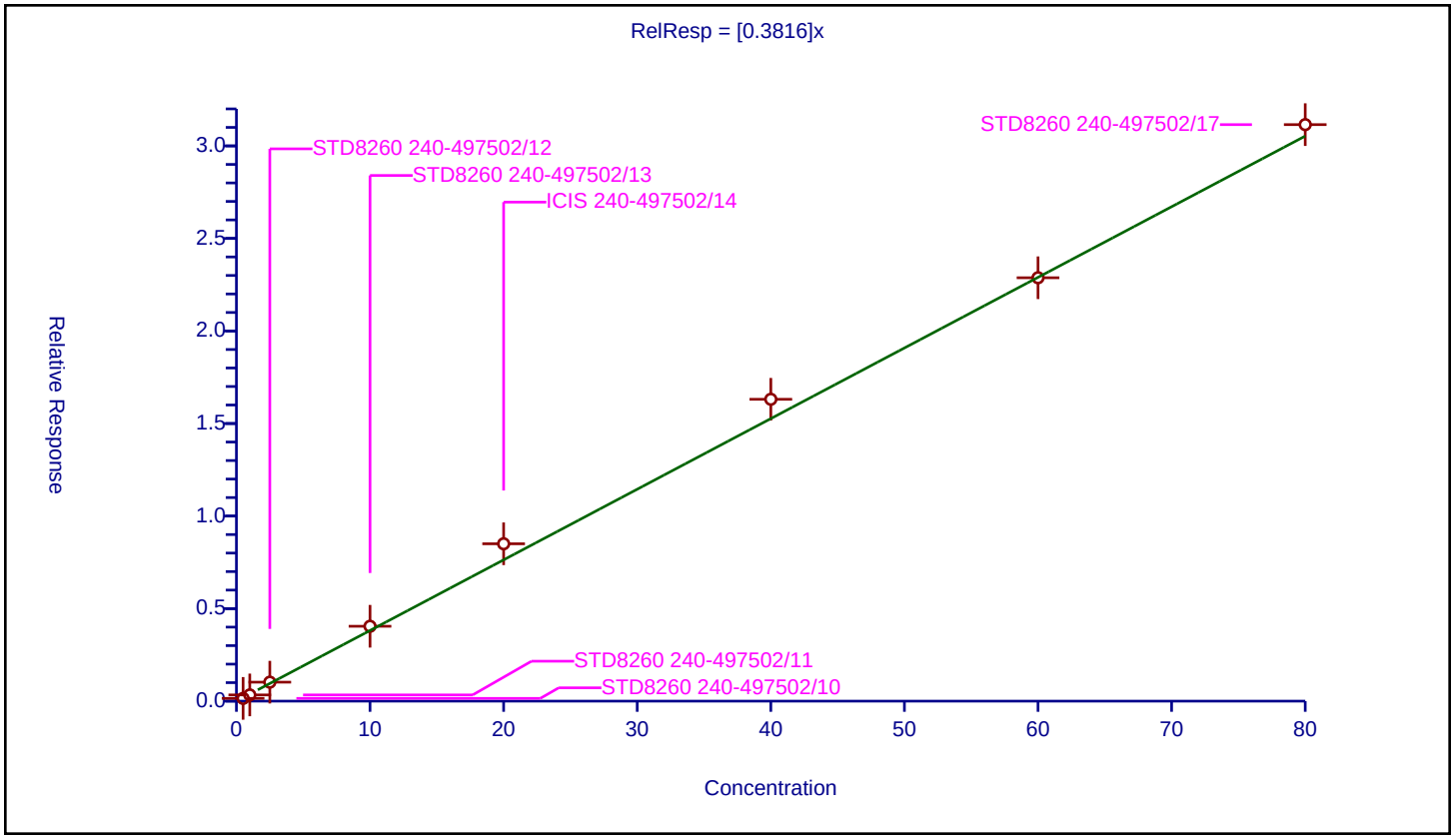
Curve Coefficients

Intercept:	0
Slope:	0.3816

Error Coefficients

Standard Error:	801000
Relative Standard Error:	11.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.149128	20.0	823049.0	0.298257	Y
2	STD8260 240-497502/11	1.0	0.336533	20.0	833321.0	0.336533	Y
3	STD8260 240-497502/12	2.5	1.025555	20.0	808031.0	0.410222	Y
4	STD8260 240-497502/13	10.0	4.045366	20.0	810819.0	0.404537	Y
5	ICIS 240-497502/14	20.0	8.502311	20.0	816084.0	0.425116	Y
6	STD8260 240-497502/15	40.0	16.310133	20.0	898504.0	0.407753	Y
7	STD8260 240-497502/16	60.0	22.8765	20.0	1004728.0	0.381275	Y
8	STD8260 240-497502/17	80.0	31.148839	20.0	1010995.0	0.38936	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

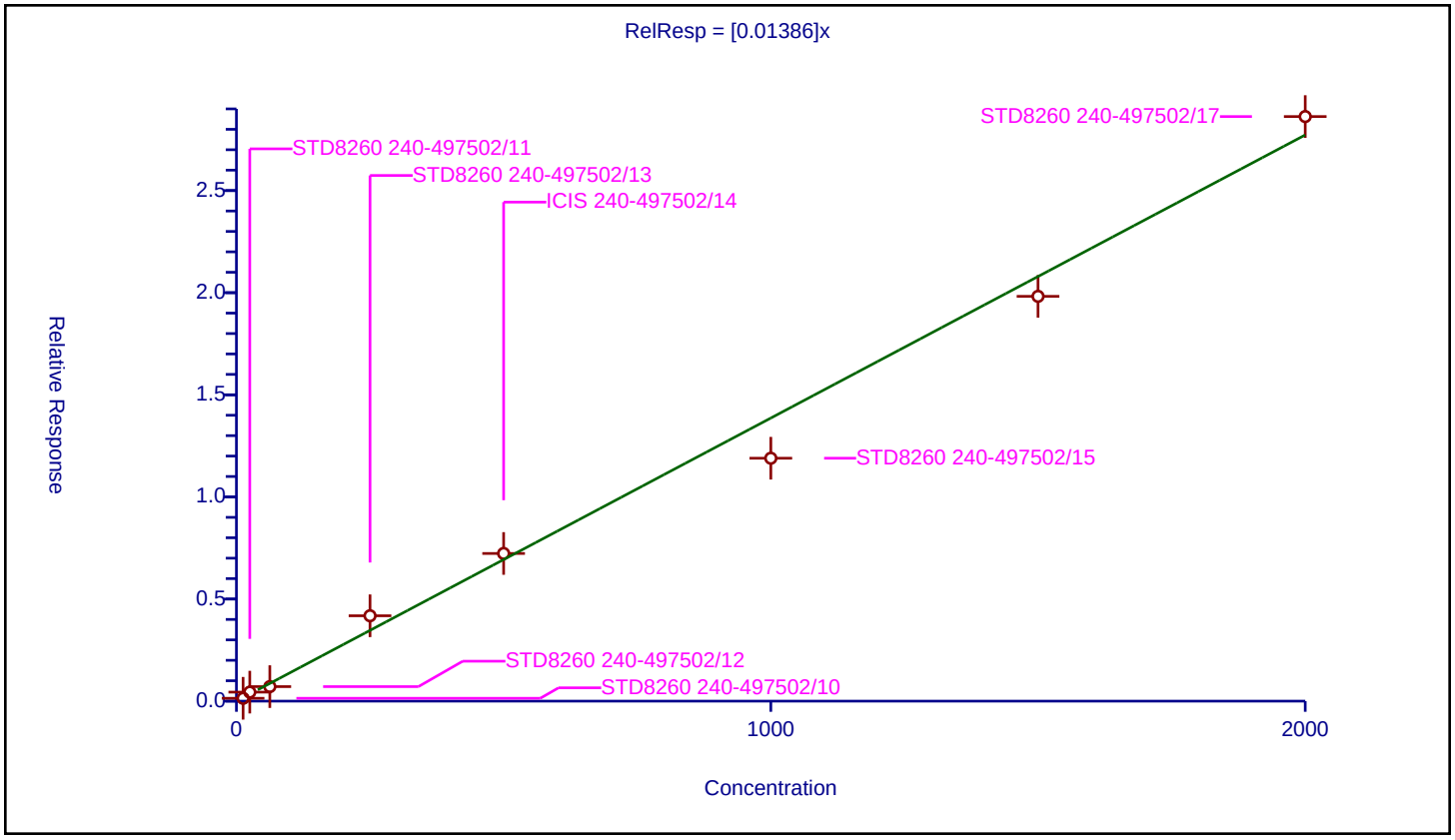
Curve Coefficients

Intercept:	0
Slope:	0.01386

Error Coefficients

Standard Error:	706000
Relative Standard Error:	17.4
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	12.5	0.140332	20.0	823049.0	0.011227	Y
2	STD8260 240-497502/11	25.0	0.441871	20.0	833321.0	0.017675	Y
3	STD8260 240-497502/12	62.5	0.711804	20.0	808031.0	0.011389	Y
4	STD8260 240-497502/13	250.0	4.180341	20.0	810819.0	0.016721	Y
5	ICIS 240-497502/14	500.0	7.230849	20.0	816084.0	0.014462	Y
6	STD8260 240-497502/15	1000.0	11.89446	20.0	898504.0	0.011894	Y
7	STD8260 240-497502/16	1500.0	19.821822	20.0	1004728.0	0.013215	Y
8	STD8260 240-497502/17	2000.0	28.624078	20.0	1010995.0	0.014312	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

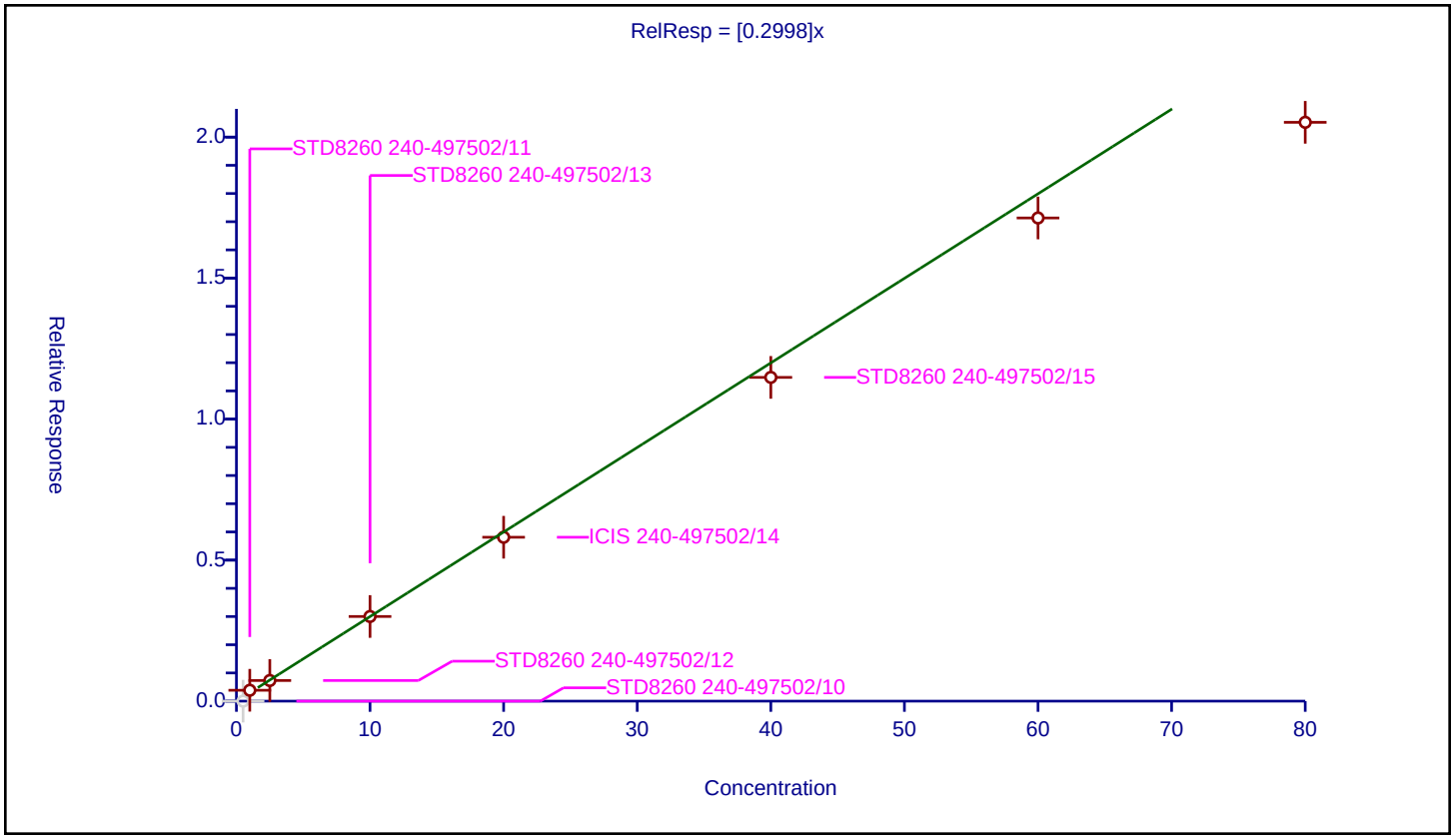
Curve Coefficients

Intercept:	0
Slope:	0.2998

Error Coefficients

Standard Error:	599000
Relative Standard Error:	13.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.0	20.0	823049.0	0.0	N
2	STD8260 240-497502/11	1.0	0.386238	20.0	833321.0	0.386238	Y
3	STD8260 240-497502/12	2.5	0.731754	20.0	808031.0	0.292702	Y
4	STD8260 240-497502/13	10.0	3.001632	20.0	810819.0	0.300163	Y
5	ICIS 240-497502/14	20.0	5.811755	20.0	816084.0	0.290588	Y
6	STD8260 240-497502/15	40.0	11.479548	20.0	898504.0	0.286989	Y
7	STD8260 240-497502/16	60.0	17.132597	20.0	1004728.0	0.285543	Y
8	STD8260 240-497502/17	80.0	20.524276	20.0	1010995.0	0.256553	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

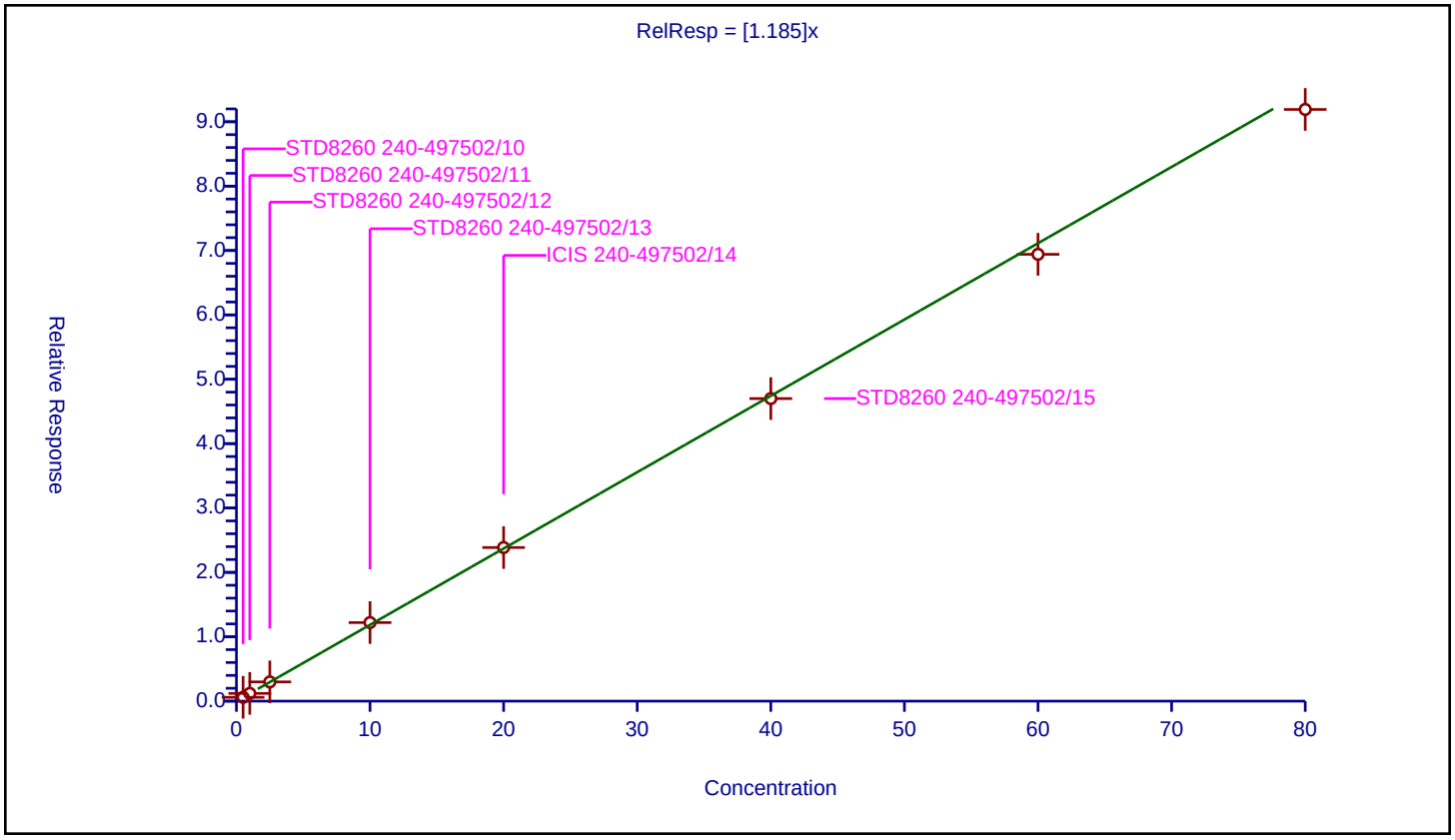
Curve Coefficients

Intercept:	0
Slope:	1.185

Error Coefficients

Standard Error:	2370000
Relative Standard Error:	2.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.595347	20.0	823049.0	1.190695	Y
2	STD8260 240-497502/11	1.0	1.203546	20.0	833321.0	1.203546	Y
3	STD8260 240-497502/12	2.5	2.988128	20.0	808031.0	1.195251	Y
4	STD8260 240-497502/13	10.0	12.204351	20.0	810819.0	1.220435	Y
5	ICIS 240-497502/14	20.0	23.861245	20.0	816084.0	1.193062	Y
6	STD8260 240-497502/15	40.0	47.00264	20.0	898504.0	1.175066	Y
7	STD8260 240-497502/16	60.0	69.408835	20.0	1004728.0	1.156814	Y
8	STD8260 240-497502/17	80.0	91.913372	20.0	1010995.0	1.148917	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

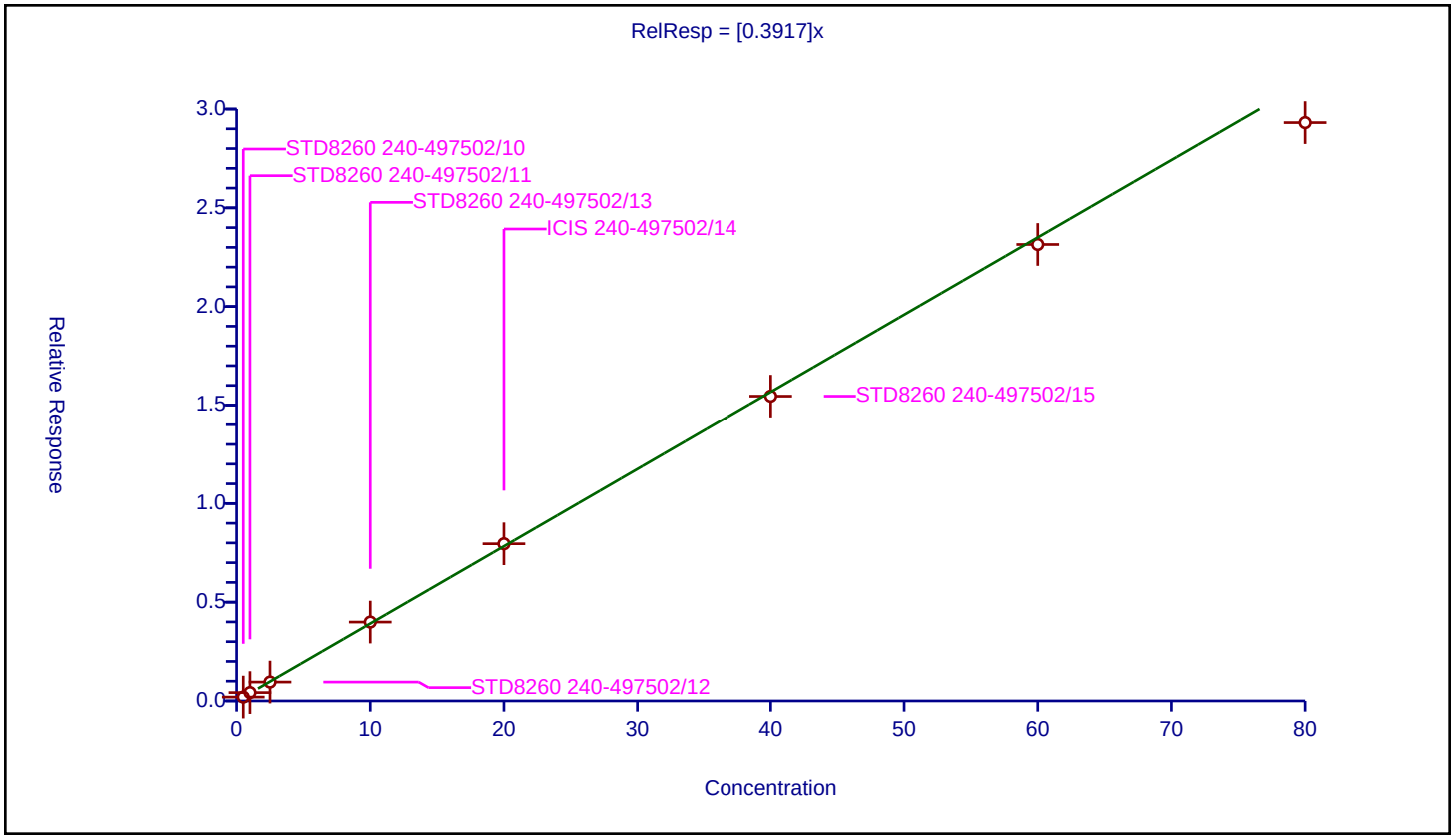
Curve Coefficients

Intercept:	0
Slope:	0.3917

Error Coefficients

Standard Error:	771000
Relative Standard Error:	4.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.196003	20.0	823049.0	0.392006	Y
2	STD8260 240-497502/11	1.0	0.42315	20.0	833321.0	0.42315	Y
3	STD8260 240-497502/12	2.5	0.9563	20.0	808031.0	0.38252	Y
4	STD8260 240-497502/13	10.0	3.993049	20.0	810819.0	0.399305	Y
5	ICIS 240-497502/14	20.0	7.958543	20.0	816084.0	0.397927	Y
6	STD8260 240-497502/15	40.0	15.454021	20.0	898504.0	0.386351	Y
7	STD8260 240-497502/16	60.0	23.146901	20.0	1004728.0	0.385782	Y
8	STD8260 240-497502/17	80.0	29.314606	20.0	1010995.0	0.366433	Y



Calibration / n-Heptane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

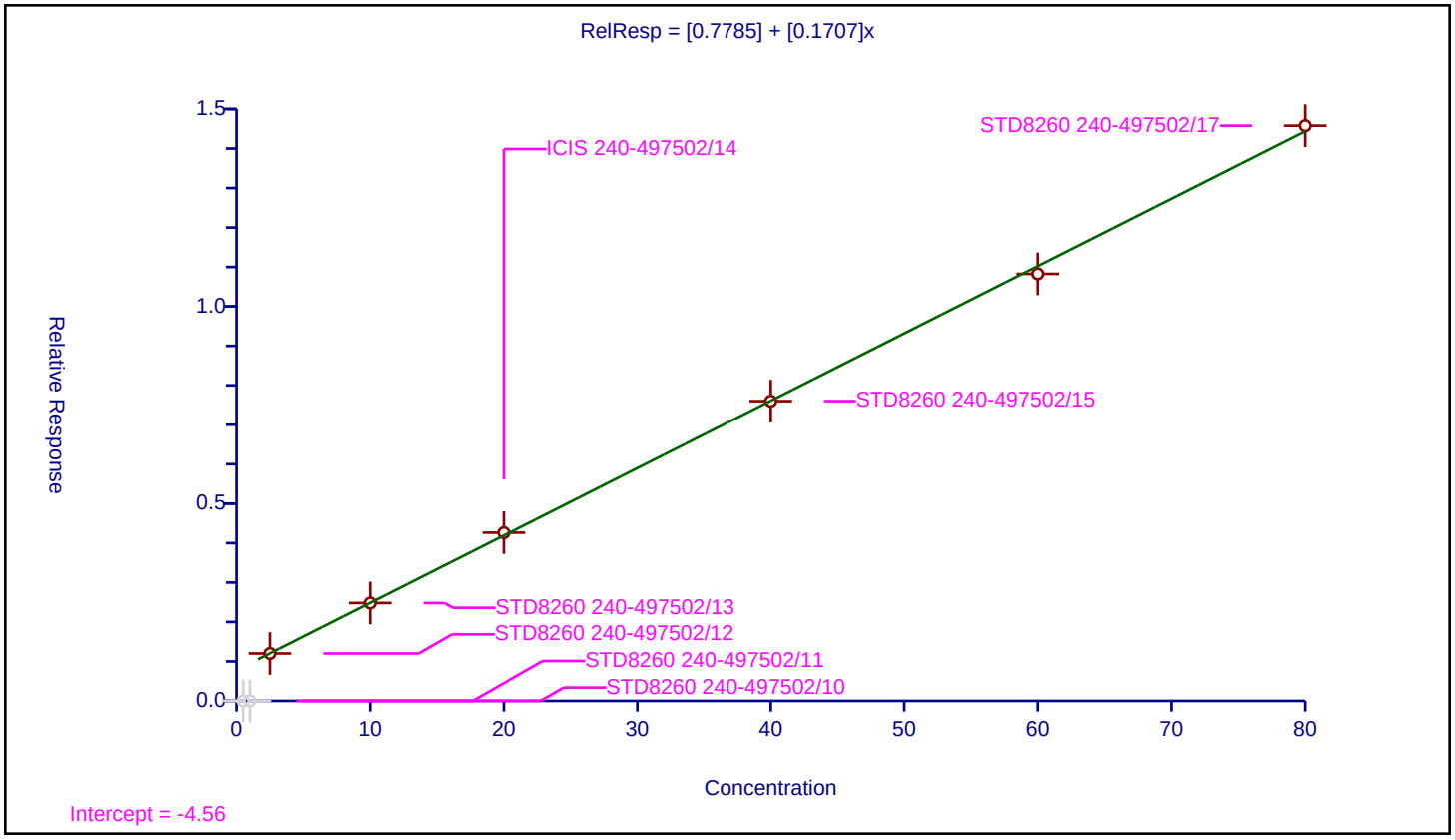
Curve Coefficients

Intercept:	0.7785
Slope:	0.1707

Error Coefficients

Standard Error:	500000
Relative Standard Error:	1.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.0	20.0	823049.0	0.0	N
2	STD8260 240-497502/11	1.0	0.0	20.0	833321.0	0.0	N
3	STD8260 240-497502/12	2.5	1.201885	20.0	808031.0	0.480754	Y
4	STD8260 240-497502/13	10.0	2.481146	20.0	810819.0	0.248115	Y
5	ICIS 240-497502/14	20.0	4.264242	20.0	816084.0	0.213212	Y
6	STD8260 240-497502/15	40.0	7.598987	20.0	898504.0	0.189975	Y
7	STD8260 240-497502/16	60.0	10.825358	20.0	1004728.0	0.180423	Y
8	STD8260 240-497502/17	80.0	14.579024	20.0	1010995.0	0.182238	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

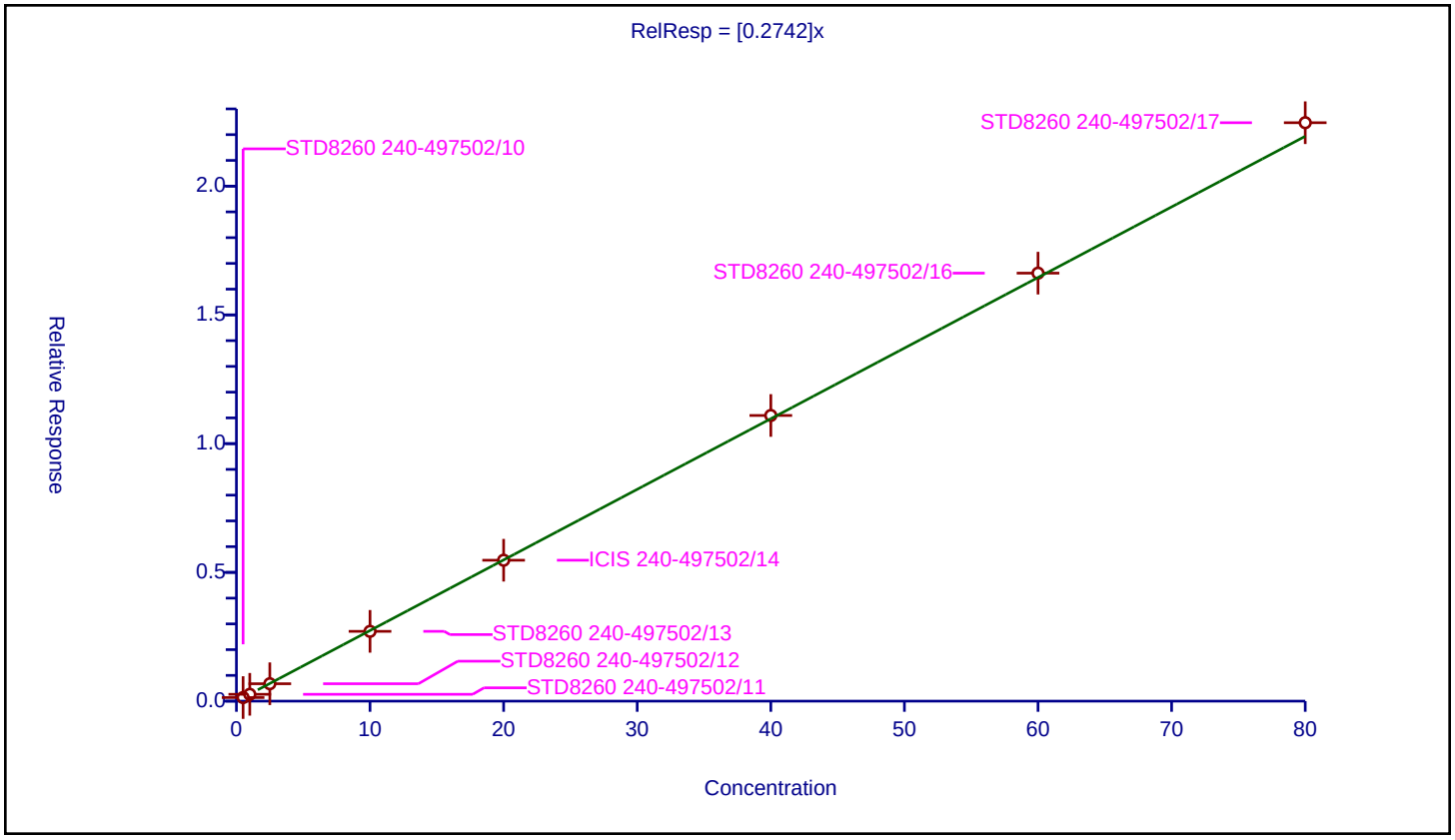
Curve Coefficients

Intercept:	0
Slope:	0.2742

Error Coefficients

Standard Error:	573000
Relative Standard Error:	1.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.139214	20.0	823049.0	0.278428	Y
2	STD8260 240-497502/11	1.0	0.26518	20.0	833321.0	0.26518	Y
3	STD8260 240-497502/12	2.5	0.675519	20.0	808031.0	0.270207	Y
4	STD8260 240-497502/13	10.0	2.710099	20.0	810819.0	0.27101	Y
5	ICIS 240-497502/14	20.0	5.472084	20.0	816084.0	0.273604	Y
6	STD8260 240-497502/15	40.0	11.093373	20.0	898504.0	0.277334	Y
7	STD8260 240-497502/16	60.0	16.621016	20.0	1004728.0	0.277017	Y
8	STD8260 240-497502/17	80.0	22.463256	20.0	1010995.0	0.280791	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

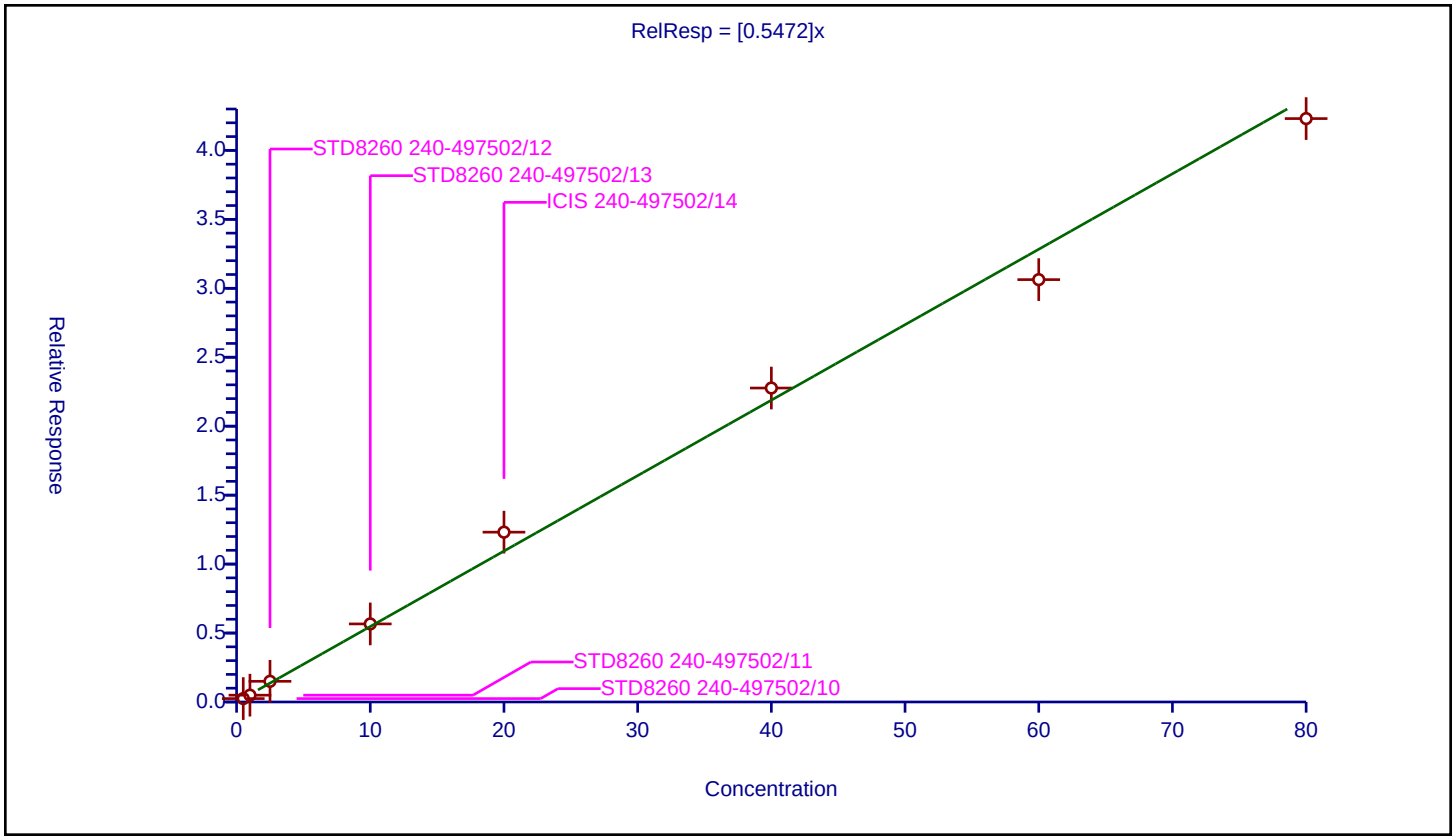
Curve Coefficients

Intercept:	0
Slope:	0.5472

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	8.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.246887	20.0	823049.0	0.493774	Y
2	STD8260 240-497502/11	1.0	0.493423	20.0	833321.0	0.493423	Y
3	STD8260 240-497502/12	2.5	1.49972	20.0	808031.0	0.599888	Y
4	STD8260 240-497502/13	10.0	5.660425	20.0	810819.0	0.566042	Y
5	ICIS 240-497502/14	20.0	12.315056	20.0	816084.0	0.615753	Y
6	STD8260 240-497502/15	40.0	22.767689	20.0	898504.0	0.569192	Y
7	STD8260 240-497502/16	60.0	30.626856	20.0	1004728.0	0.510448	Y
8	STD8260 240-497502/17	80.0	42.304997	20.0	1010995.0	0.528812	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

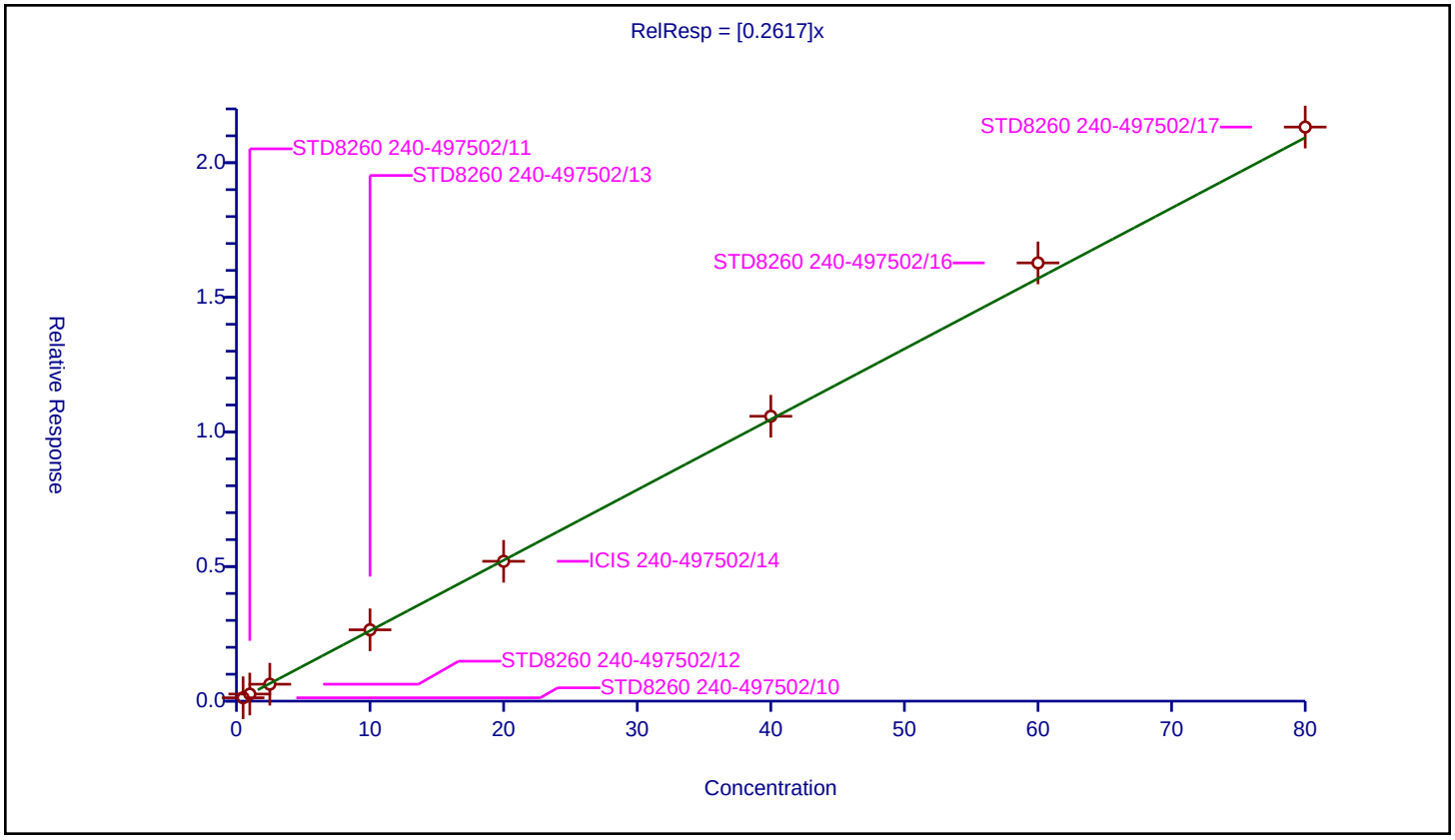
Curve Coefficients

Intercept:	0
Slope:	0.2617

Error Coefficients

Standard Error:	550000
Relative Standard Error:	2.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.125509	20.0	823049.0	0.251018	Y
2	STD8260 240-497502/11	1.0	0.263692	20.0	833321.0	0.263692	Y
3	STD8260 240-497502/12	2.5	0.628515	20.0	808031.0	0.251406	Y
4	STD8260 240-497502/13	10.0	2.649839	20.0	810819.0	0.264984	Y
5	ICIS 240-497502/14	20.0	5.195029	20.0	816084.0	0.259751	Y
6	STD8260 240-497502/15	40.0	10.582324	20.0	898504.0	0.264558	Y
7	STD8260 240-497502/16	60.0	16.279491	20.0	1004728.0	0.271325	Y
8	STD8260 240-497502/17	80.0	21.325724	20.0	1010995.0	0.266572	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

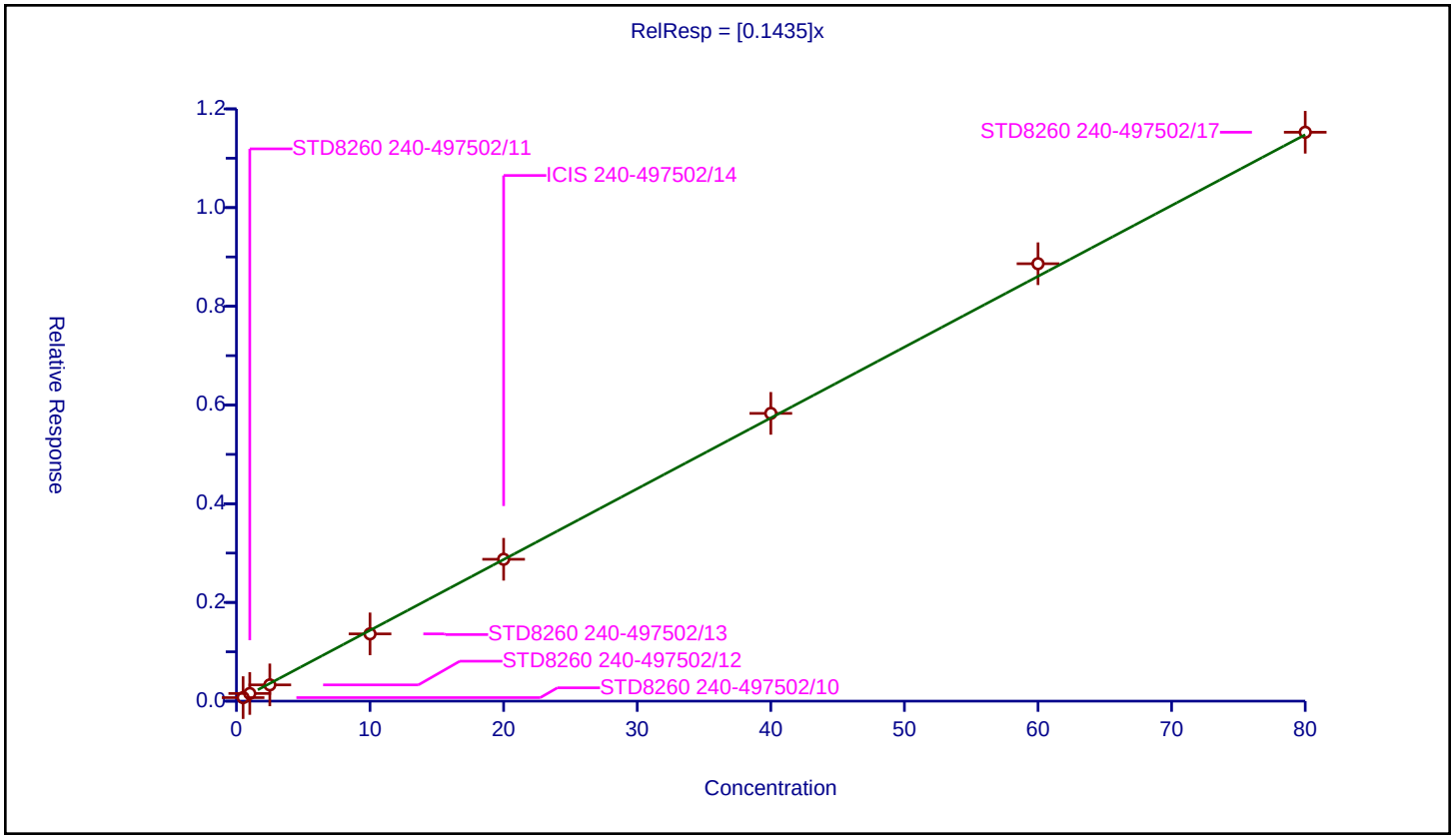
Curve Coefficients

Intercept:	0
Slope:	0.1435

Error Coefficients

Standard Error:	298000
Relative Standard Error:	4.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.07166	20.0	823049.0	0.143321	Y
2	STD8260 240-497502/11	1.0	0.155138	20.0	833321.0	0.155138	Y
3	STD8260 240-497502/12	2.5	0.329245	20.0	808031.0	0.131698	Y
4	STD8260 240-497502/13	10.0	1.36282	20.0	810819.0	0.136282	Y
5	ICIS 240-497502/14	20.0	2.87441	20.0	816084.0	0.14372	Y
6	STD8260 240-497502/15	40.0	5.830714	20.0	898504.0	0.145768	Y
7	STD8260 240-497502/16	60.0	8.862737	20.0	1004728.0	0.147712	Y
8	STD8260 240-497502/17	80.0	11.526467	20.0	1010995.0	0.144081	Y



Calibration / 1,4-Dioxane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

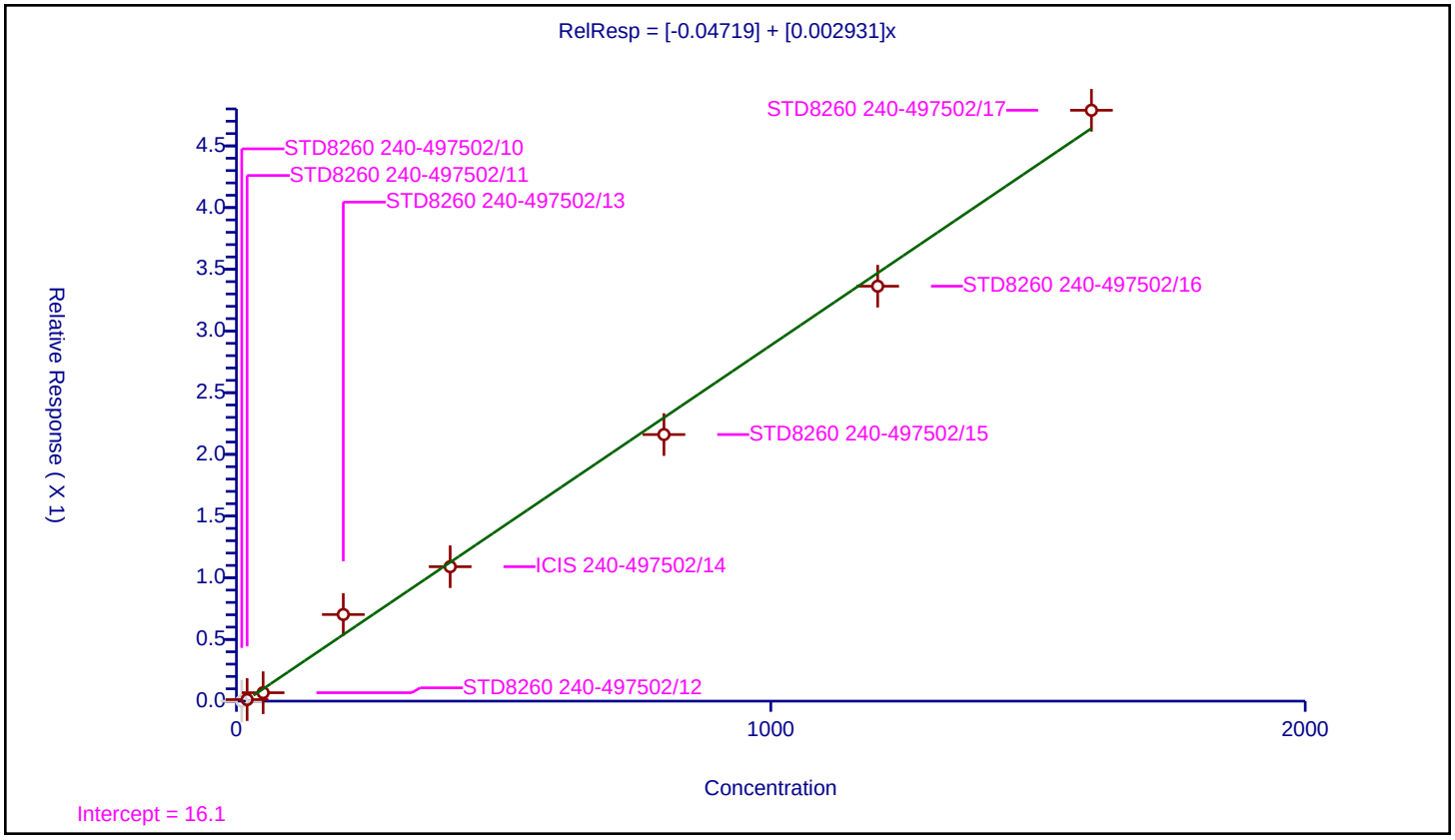
Curve Coefficients

Intercept:	-0.04719
Slope:	0.002931

Error Coefficients

Standard Error:	141000
Relative Standard Error:	16.1
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	10.0	0.0	20.0	823049.0	0.0	N
2	STD8260 240-497502/11	20.0	0.01272	20.0	833321.0	0.000636	Y
3	STD8260 240-497502/12	50.0	0.068265	20.0	808031.0	0.001365	Y
4	STD8260 240-497502/13	200.0	0.70208	20.0	810819.0	0.00351	Y
5	ICIS 240-497502/14	400.0	1.089471	20.0	816084.0	0.002724	Y
6	STD8260 240-497502/15	800.0	2.160747	20.0	898504.0	0.002701	Y
7	STD8260 240-497502/16	1200.0	3.36292	20.0	1004728.0	0.002802	Y
8	STD8260 240-497502/17	1600.0	4.788688	20.0	1010995.0	0.002993	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

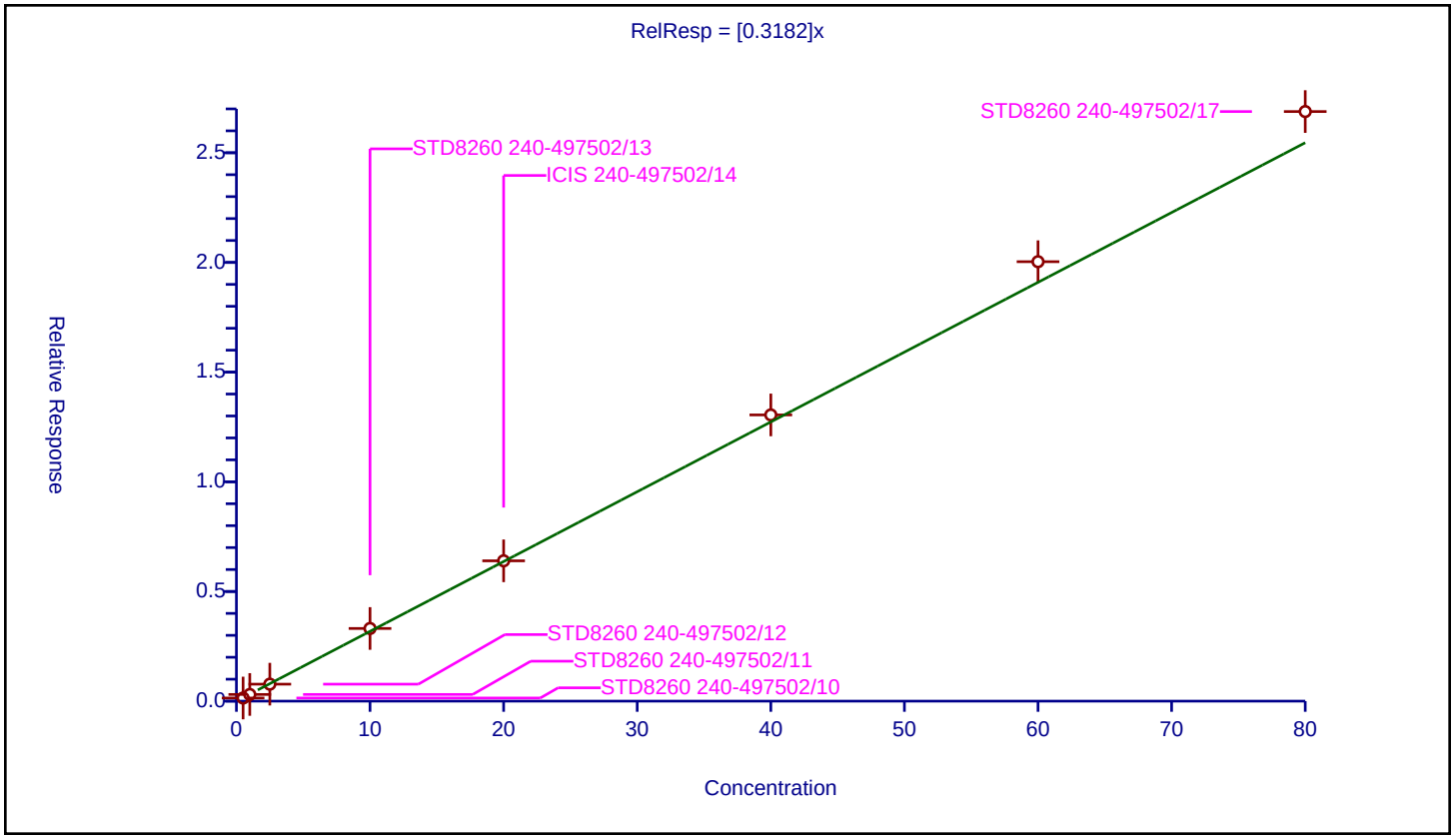
Curve Coefficients

Intercept:	0
Slope:	0.3182

Error Coefficients

Standard Error:	686000
Relative Standard Error:	5.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.1423	20.0	823049.0	0.2846	Y
2	STD8260 240-497502/11	1.0	0.304085	20.0	833321.0	0.304085	Y
3	STD8260 240-497502/12	2.5	0.774525	20.0	808031.0	0.30981	Y
4	STD8260 240-497502/13	10.0	3.312774	20.0	810819.0	0.331277	Y
5	ICIS 240-497502/14	20.0	6.397283	20.0	816084.0	0.319864	Y
6	STD8260 240-497502/15	40.0	13.049113	20.0	898504.0	0.326228	Y
7	STD8260 240-497502/16	60.0	20.034059	20.0	1004728.0	0.333901	Y
8	STD8260 240-497502/17	80.0	26.878867	20.0	1010995.0	0.335986	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

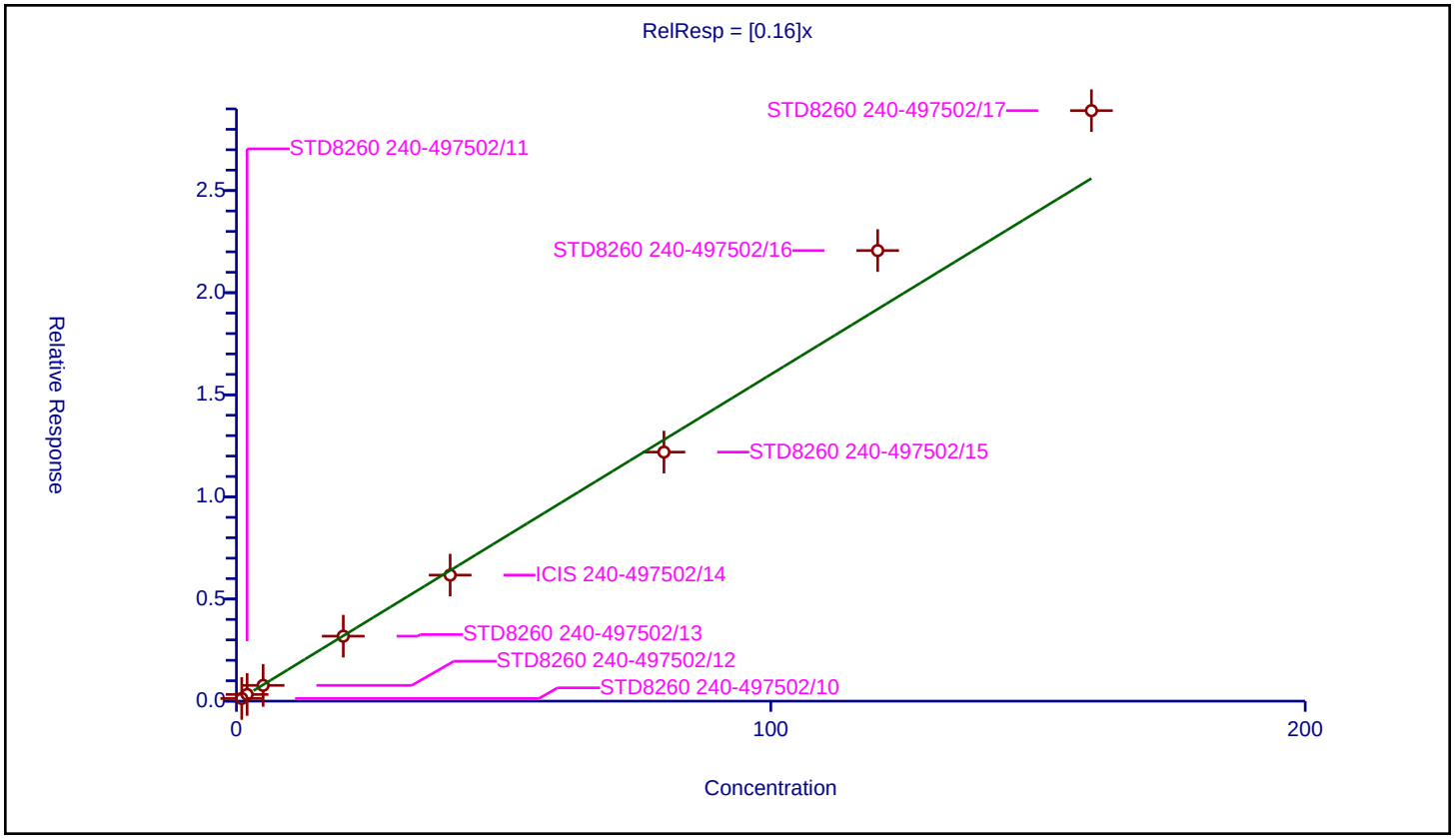
Curve Coefficients

Intercept:	0
Slope:	0.16

Error Coefficients

Standard Error:	732000
Relative Standard Error:	10.5
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	1.0	0.130904	20.0	823049.0	0.130904	Y
2	STD8260 240-497502/11	2.0	0.328301	20.0	833321.0	0.16415	Y
3	STD8260 240-497502/12	5.0	0.771753	20.0	808031.0	0.154351	Y
4	STD8260 240-497502/13	20.0	3.18145	20.0	810819.0	0.159072	Y
5	ICIS 240-497502/14	40.0	6.171571	20.0	816084.0	0.154289	Y
6	STD8260 240-497502/15	80.0	12.195026	20.0	898504.0	0.152438	Y
7	STD8260 240-497502/16	120.0	22.063743	20.0	1004728.0	0.183865	Y
8	STD8260 240-497502/17	160.0	28.913358	20.0	1010995.0	0.180708	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

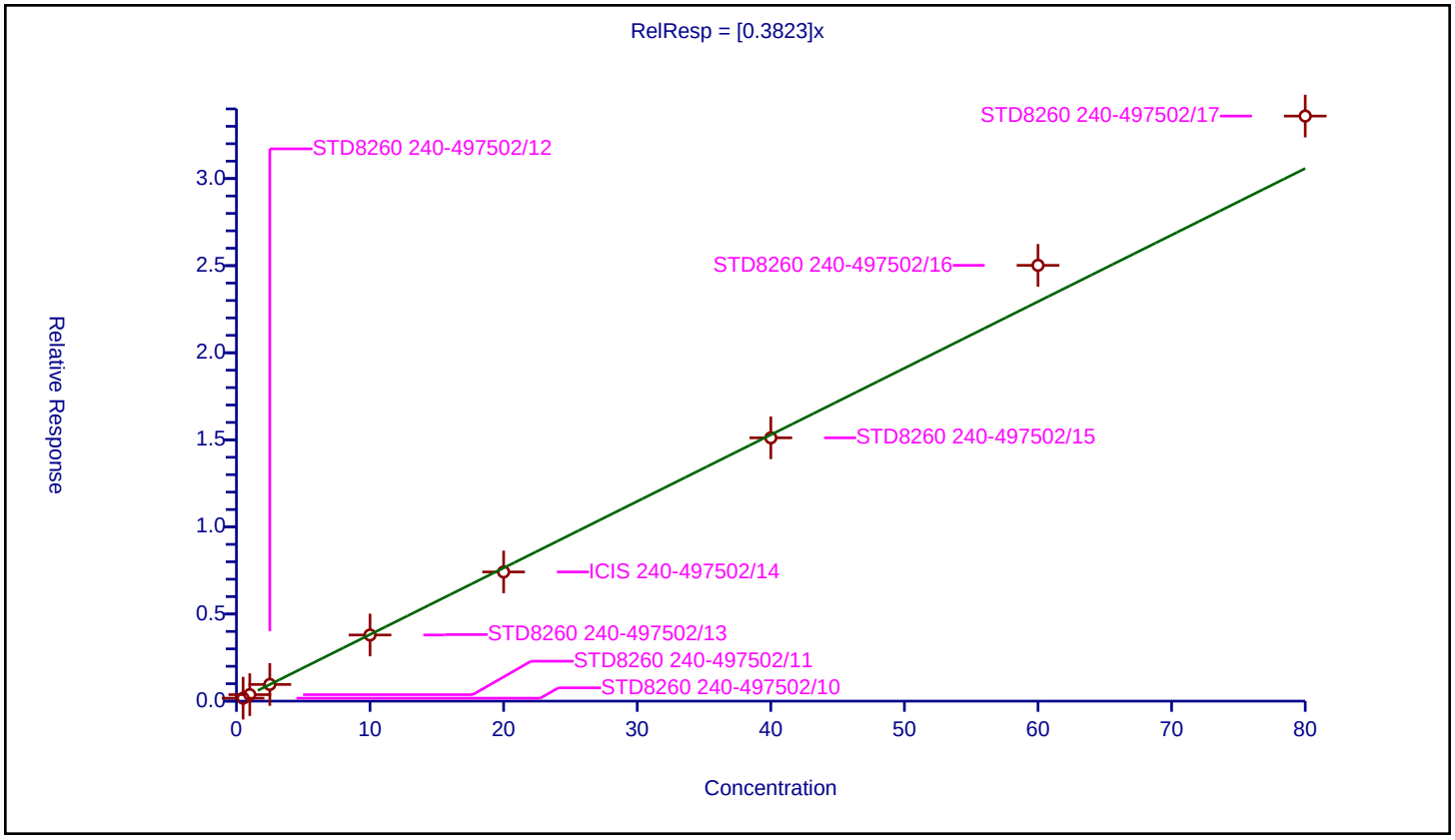
Curve Coefficients

Intercept:	0
Slope:	0.3823

Error Coefficients

Standard Error:	849000
Relative Standard Error:	6.9
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.168787	20.0	823049.0	0.337574	Y
2	STD8260 240-497502/11	1.0	0.37191	20.0	833321.0	0.37191	Y
3	STD8260 240-497502/12	2.5	0.958206	20.0	808031.0	0.383282	Y
4	STD8260 240-497502/13	10.0	3.797346	20.0	810819.0	0.379735	Y
5	ICIS 240-497502/14	20.0	7.41605	20.0	816084.0	0.370803	Y
6	STD8260 240-497502/15	40.0	15.116572	20.0	898504.0	0.377914	Y
7	STD8260 240-497502/16	60.0	25.018552	20.0	1004728.0	0.416976	Y
8	STD8260 240-497502/17	80.0	33.588198	20.0	1010995.0	0.419852	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

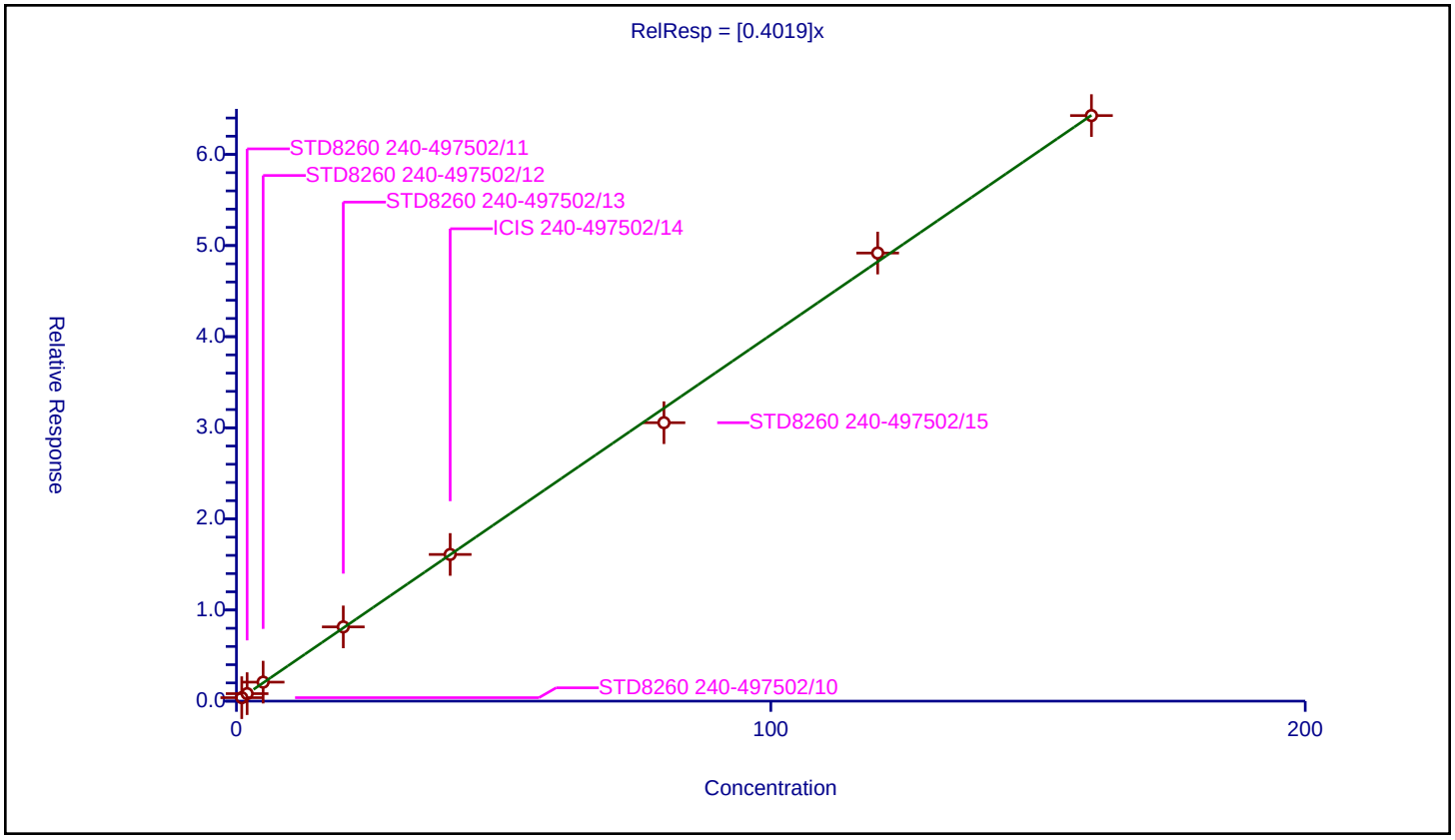
Curve Coefficients

Intercept:	0
Slope:	0.4019

Error Coefficients

Standard Error:	1650000
Relative Standard Error:	3.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	1.0	0.382626	20.0	823049.0	0.382626	Y
2	STD8260 240-497502/11	2.0	0.824124	20.0	833321.0	0.412062	Y
3	STD8260 240-497502/12	5.0	2.085885	20.0	808031.0	0.417177	Y
4	STD8260 240-497502/13	20.0	8.148181	20.0	810819.0	0.407409	Y
5	ICIS 240-497502/14	40.0	16.098465	20.0	816084.0	0.402462	Y
6	STD8260 240-497502/15	80.0	30.559441	20.0	898504.0	0.381993	Y
7	STD8260 240-497502/16	120.0	49.181251	20.0	1004728.0	0.409844	Y
8	STD8260 240-497502/17	160.0	64.265184	20.0	1010995.0	0.401657	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

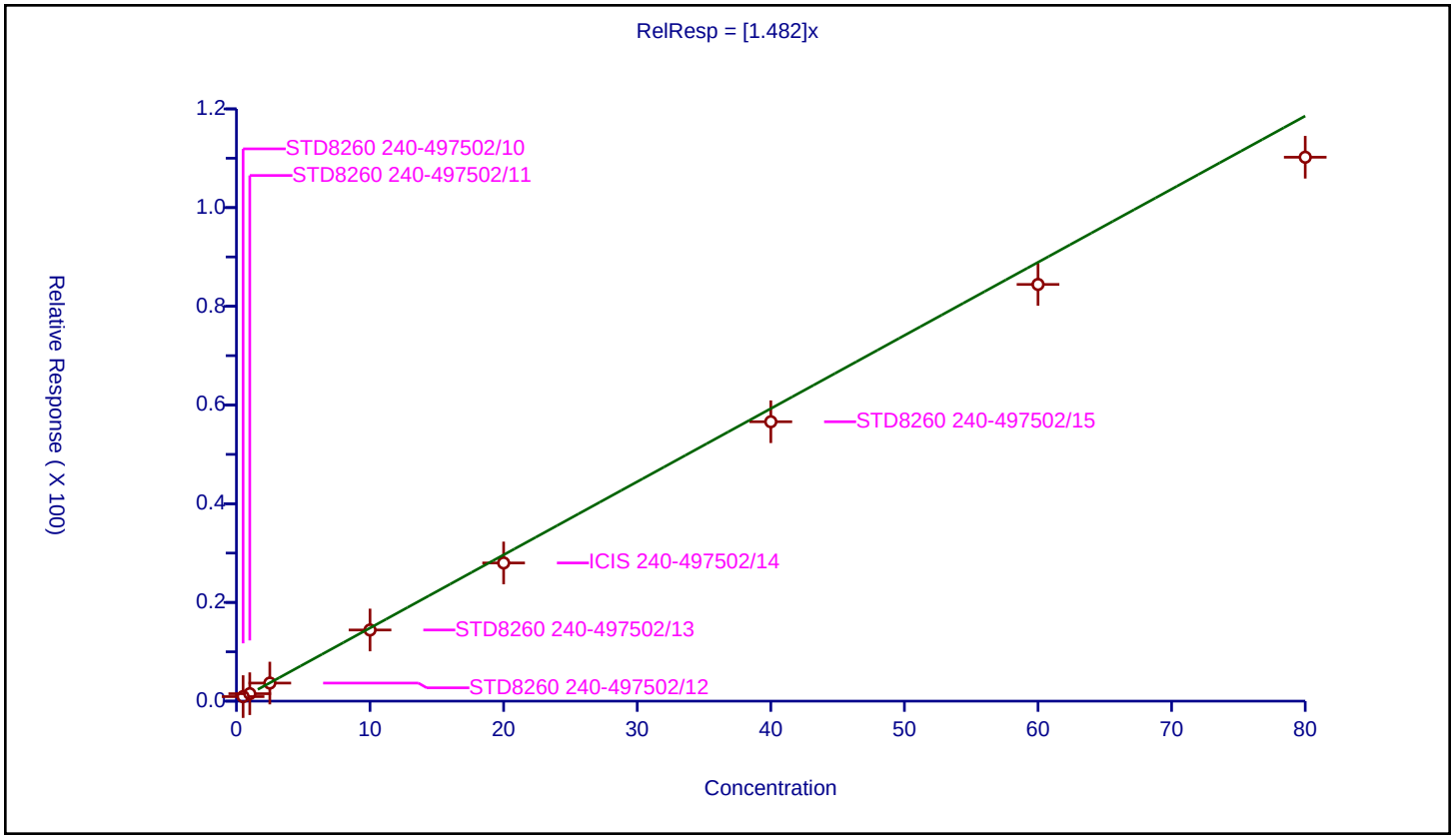
Curve Coefficients

Intercept:	0
Slope:	1.482

Error Coefficients

Standard Error:	1860000
Relative Standard Error:	10.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.920919	20.0	512488.0	1.841838	Y
2	STD8260 240-497502/11	1.0	1.508482	20.0	492442.0	1.508482	Y
3	STD8260 240-497502/12	2.5	3.660201	20.0	475799.0	1.46408	Y
4	STD8260 240-497502/13	10.0	14.415562	20.0	481377.0	1.441556	Y
5	ICIS 240-497502/14	20.0	28.001176	20.0	503211.0	1.400059	Y
6	STD8260 240-497502/15	40.0	56.610347	20.0	551791.0	1.415259	Y
7	STD8260 240-497502/16	60.0	84.429872	20.0	651292.0	1.407165	Y
8	STD8260 240-497502/17	80.0	110.205962	20.0	671339.0	1.377575	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

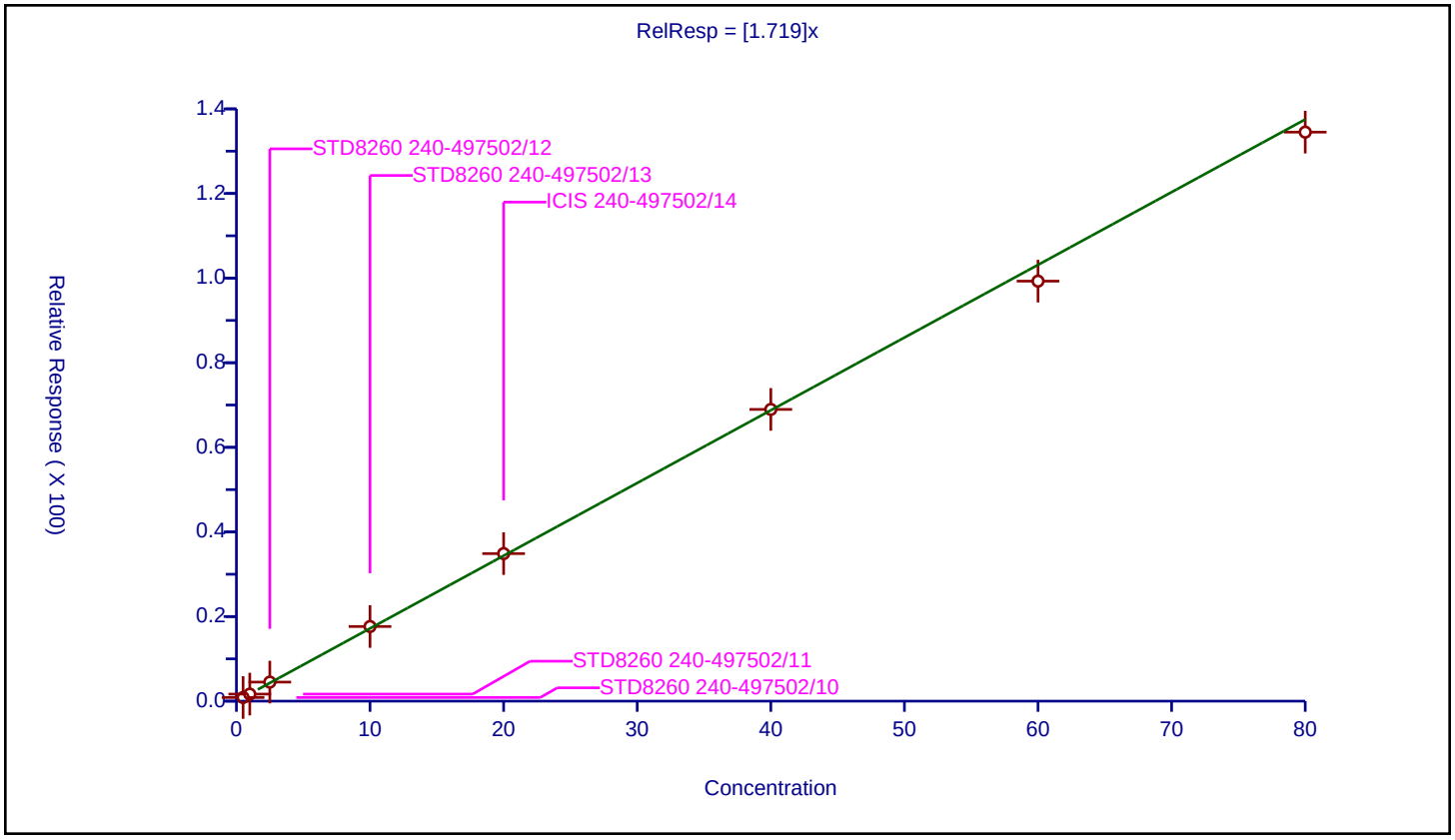
Curve Coefficients

Intercept:	0
Slope:	1.719

Error Coefficients

Standard Error:	2250000
Relative Standard Error:	3.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.856644	20.0	512488.0	1.713289	Y
2	STD8260 240-497502/11	1.0	1.666673	20.0	492442.0	1.666673	Y
3	STD8260 240-497502/12	2.5	4.507071	20.0	475799.0	1.802829	Y
4	STD8260 240-497502/13	10.0	17.641516	20.0	481377.0	1.764152	Y
5	ICIS 240-497502/14	20.0	34.874357	20.0	503211.0	1.743718	Y
6	STD8260 240-497502/15	40.0	68.960095	20.0	551791.0	1.724002	Y
7	STD8260 240-497502/16	60.0	99.285482	20.0	651292.0	1.654758	Y
8	STD8260 240-497502/17	80.0	134.503373	20.0	671339.0	1.681292	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

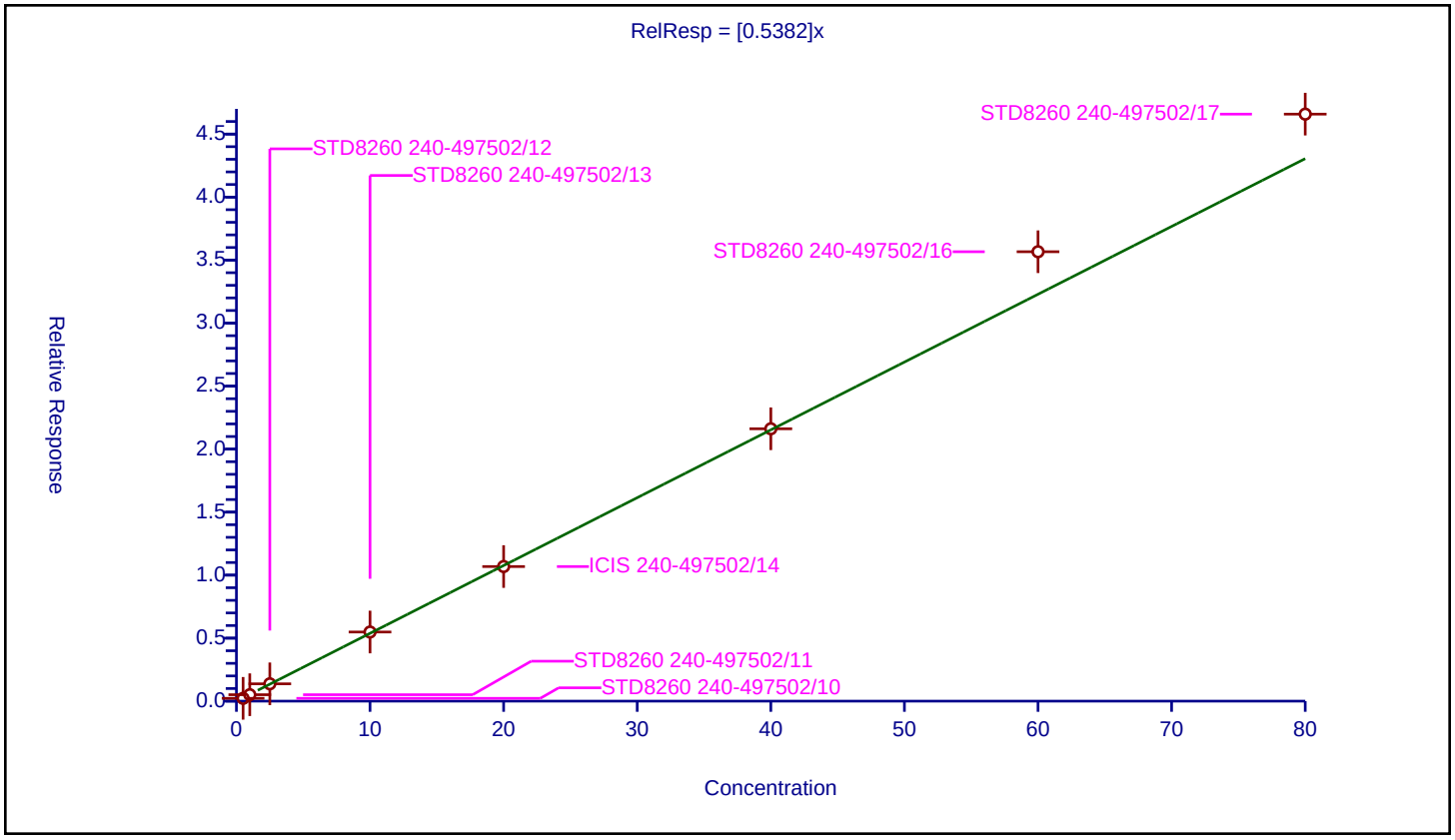
Curve Coefficients

Intercept:	0
Slope:	0.5382

Error Coefficients

Standard Error:	778000
Relative Standard Error:	8.5
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.222678	20.0	512488.0	0.445357	Y
2	STD8260 240-497502/11	1.0	0.509827	20.0	492442.0	0.509827	Y
3	STD8260 240-497502/12	2.5	1.375749	20.0	475799.0	0.5503	Y
4	STD8260 240-497502/13	10.0	5.485846	20.0	481377.0	0.548585	Y
5	ICIS 240-497502/14	20.0	10.681325	20.0	503211.0	0.534066	Y
6	STD8260 240-497502/15	40.0	21.614597	20.0	551791.0	0.540365	Y
7	STD8260 240-497502/16	60.0	35.664341	20.0	651292.0	0.594406	Y
8	STD8260 240-497502/17	80.0	46.583917	20.0	671339.0	0.582299	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

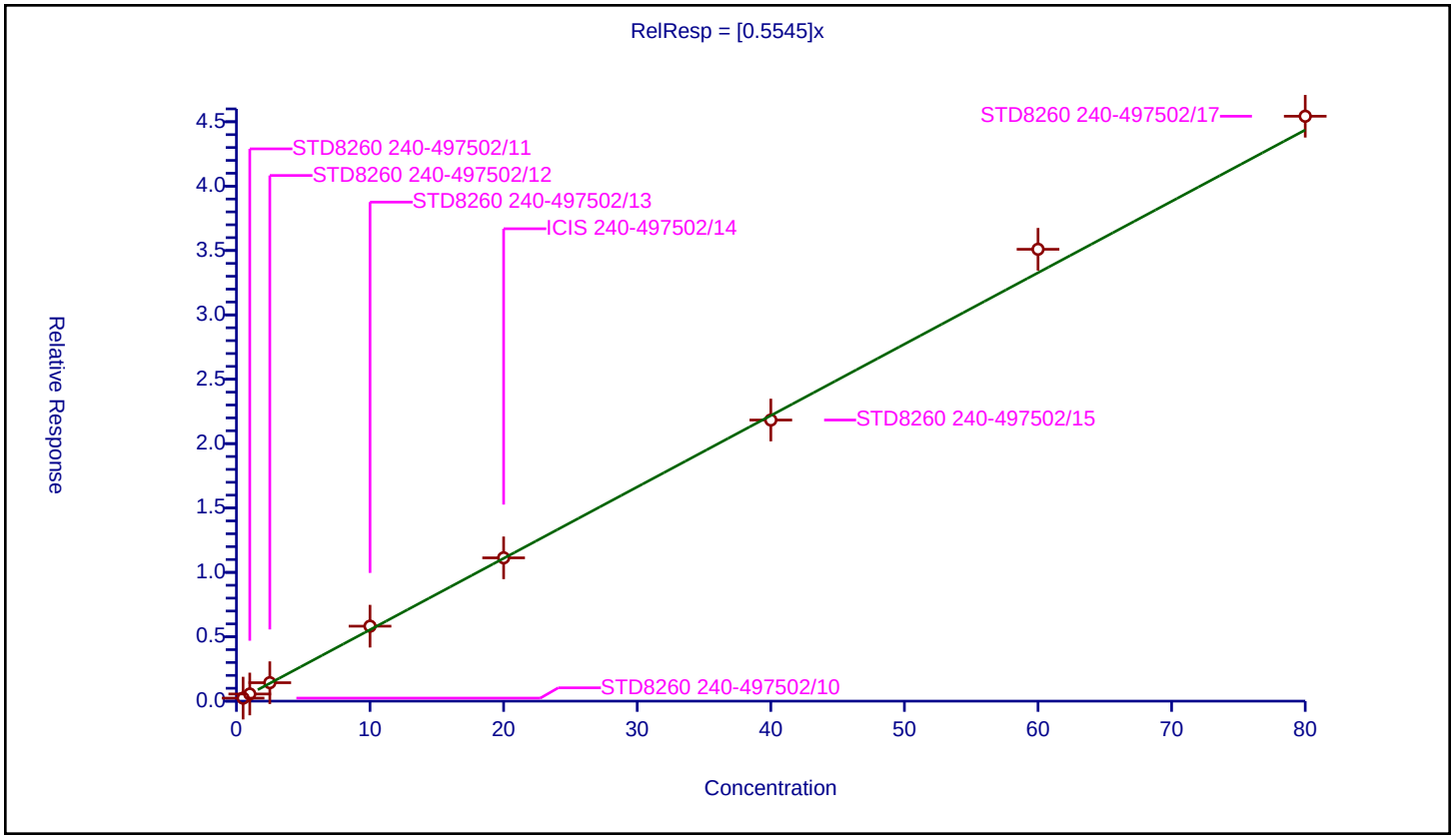
Curve Coefficients

Intercept:	0
Slope:	0.5545

Error Coefficients

Standard Error:	765000
Relative Standard Error:	6.6
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.234971	20.0	512488.0	0.469943	Y
2	STD8260 240-497502/11	1.0	0.555477	20.0	492442.0	0.555477	Y
3	STD8260 240-497502/12	2.5	1.433294	20.0	475799.0	0.573318	Y
4	STD8260 240-497502/13	10.0	5.822962	20.0	481377.0	0.582296	Y
5	ICIS 240-497502/14	20.0	11.131354	20.0	503211.0	0.556568	Y
6	STD8260 240-497502/15	40.0	21.833955	20.0	551791.0	0.545849	Y
7	STD8260 240-497502/16	60.0	35.096332	20.0	651292.0	0.584939	Y
8	STD8260 240-497502/17	80.0	45.429448	20.0	671339.0	0.567868	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

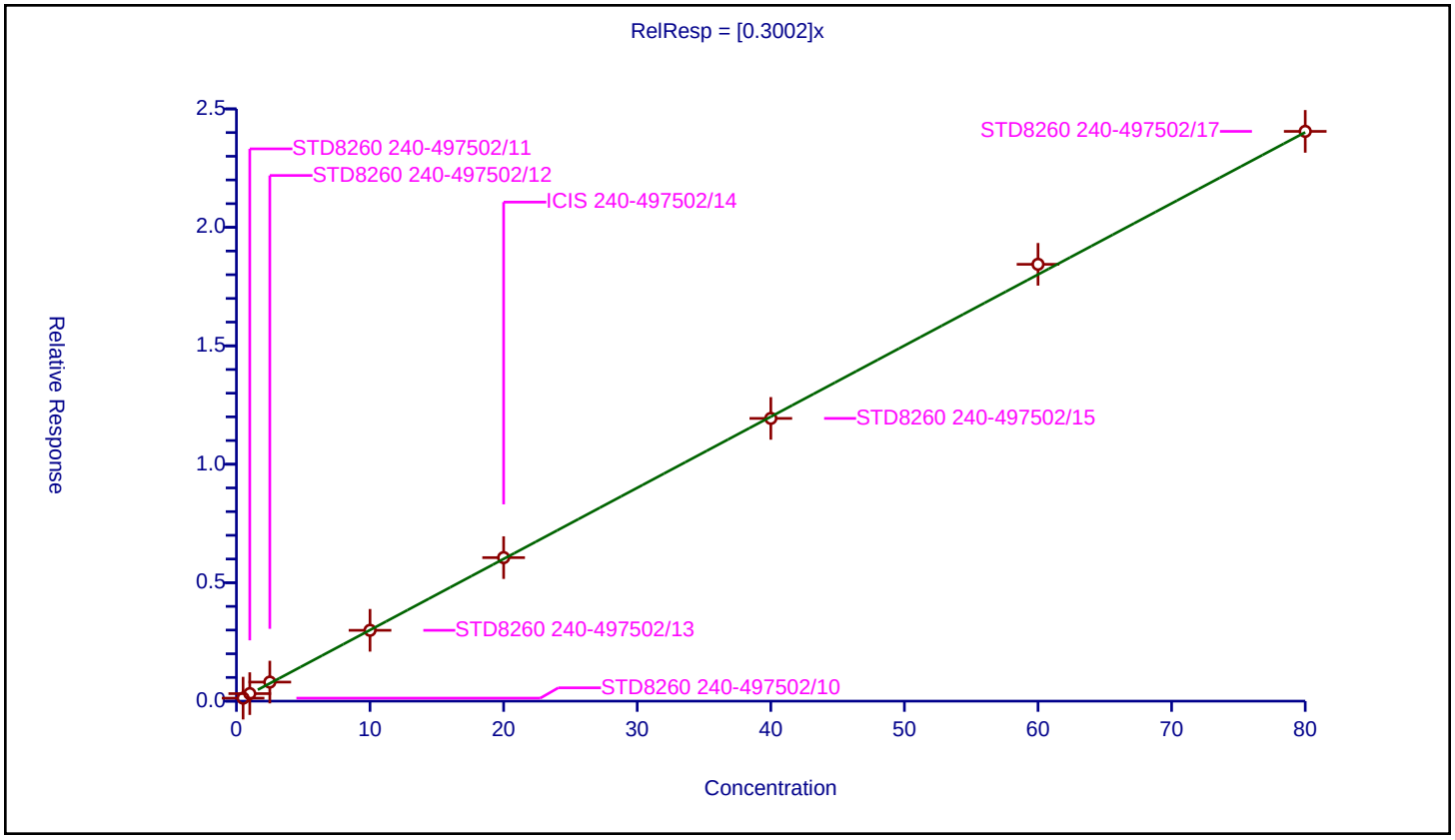
Curve Coefficients

Intercept:	0
Slope:	0.3002

Error Coefficients

Standard Error:	405000
Relative Standard Error:	7.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.126598	20.0	512488.0	0.253196	Y
2	STD8260 240-497502/11	1.0	0.318129	20.0	492442.0	0.318129	Y
3	STD8260 240-497502/12	2.5	0.803995	20.0	475799.0	0.321598	Y
4	STD8260 240-497502/13	10.0	2.990172	20.0	481377.0	0.299017	Y
5	ICIS 240-497502/14	20.0	6.058492	20.0	503211.0	0.302925	Y
6	STD8260 240-497502/15	40.0	11.934772	20.0	551791.0	0.298369	Y
7	STD8260 240-497502/16	60.0	18.440208	20.0	651292.0	0.307337	Y
8	STD8260 240-497502/17	80.0	24.051545	20.0	671339.0	0.300644	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

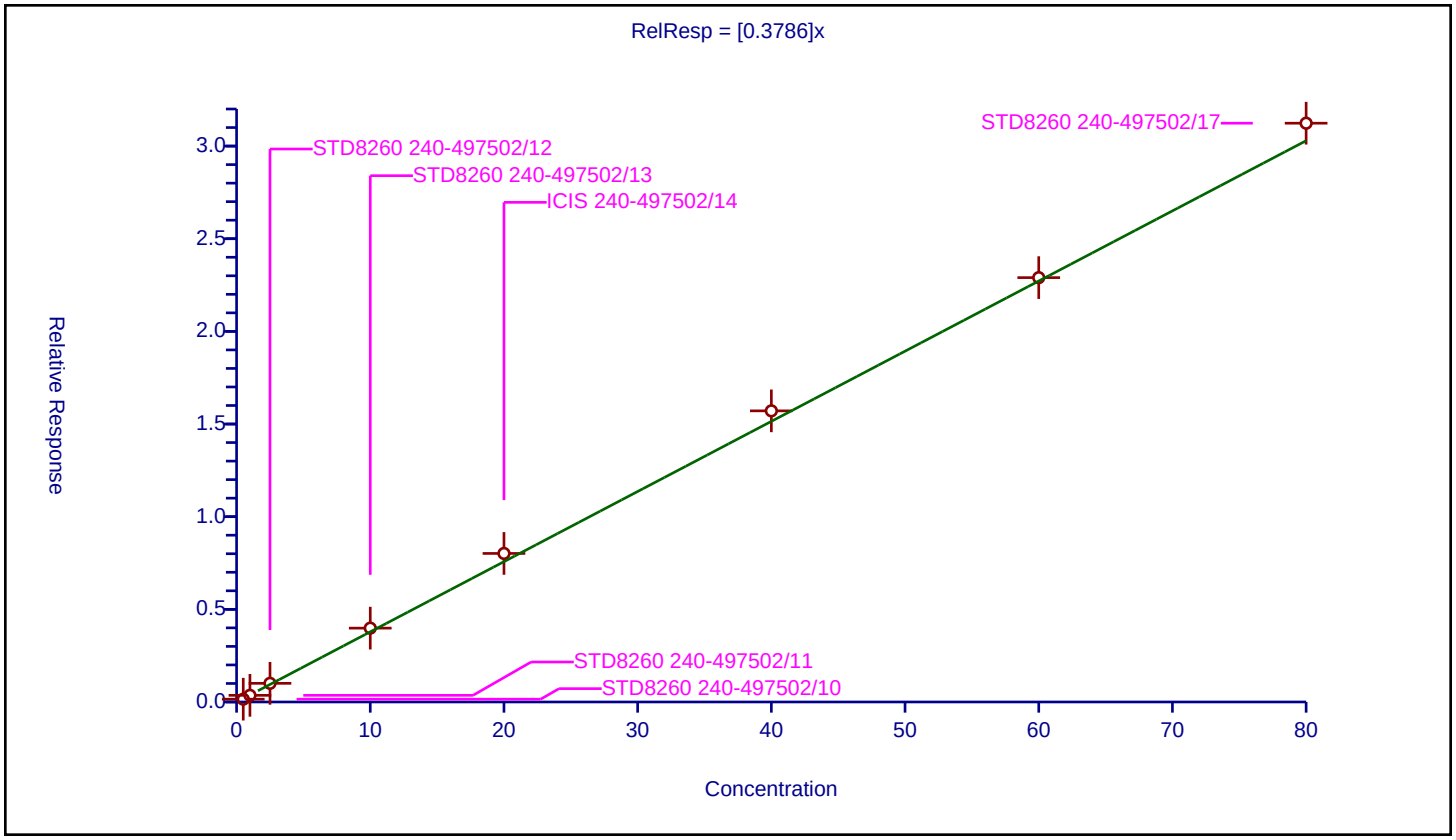
Curve Coefficients

Intercept:	0
Slope:	0.3786

Error Coefficients

Standard Error:	520000
Relative Standard Error:	8.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.151301	20.0	512488.0	0.302602	Y
2	STD8260 240-497502/11	1.0	0.359393	20.0	492442.0	0.359393	Y
3	STD8260 240-497502/12	2.5	1.006728	20.0	475799.0	0.402691	Y
4	STD8260 240-497502/13	10.0	3.985317	20.0	481377.0	0.398532	Y
5	ICIS 240-497502/14	20.0	8.016279	20.0	503211.0	0.400814	Y
6	STD8260 240-497502/15	40.0	15.710876	20.0	551791.0	0.392772	Y
7	STD8260 240-497502/16	60.0	22.89999	20.0	651292.0	0.381666	Y
8	STD8260 240-497502/17	80.0	31.233758	20.0	671339.0	0.390422	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

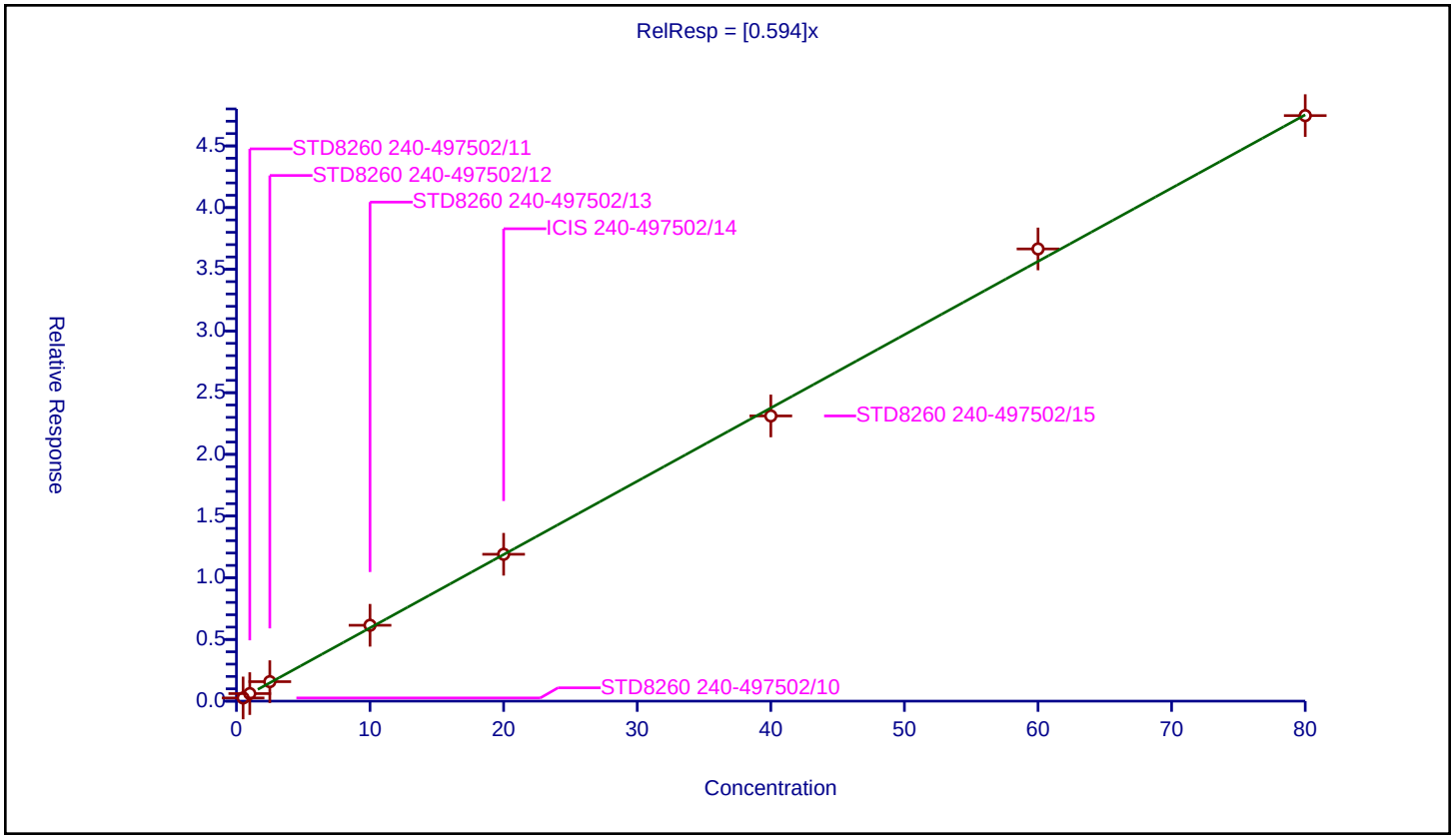
Curve Coefficients

Intercept:	0
Slope:	0.594

Error Coefficients

Standard Error:	800000
Relative Standard Error:	6.0
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.257918	20.0	512488.0	0.515836	Y
2	STD8260 240-497502/11	1.0	0.612458	20.0	492442.0	0.612458	Y
3	STD8260 240-497502/12	2.5	1.579448	20.0	475799.0	0.631779	Y
4	STD8260 240-497502/13	10.0	6.14832	20.0	481377.0	0.614832	Y
5	ICIS 240-497502/14	20.0	11.903357	20.0	503211.0	0.595168	Y
6	STD8260 240-497502/15	40.0	23.114476	20.0	551791.0	0.577862	Y
7	STD8260 240-497502/16	60.0	36.650811	20.0	651292.0	0.610847	Y
8	STD8260 240-497502/17	80.0	47.455101	20.0	671339.0	0.593189	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

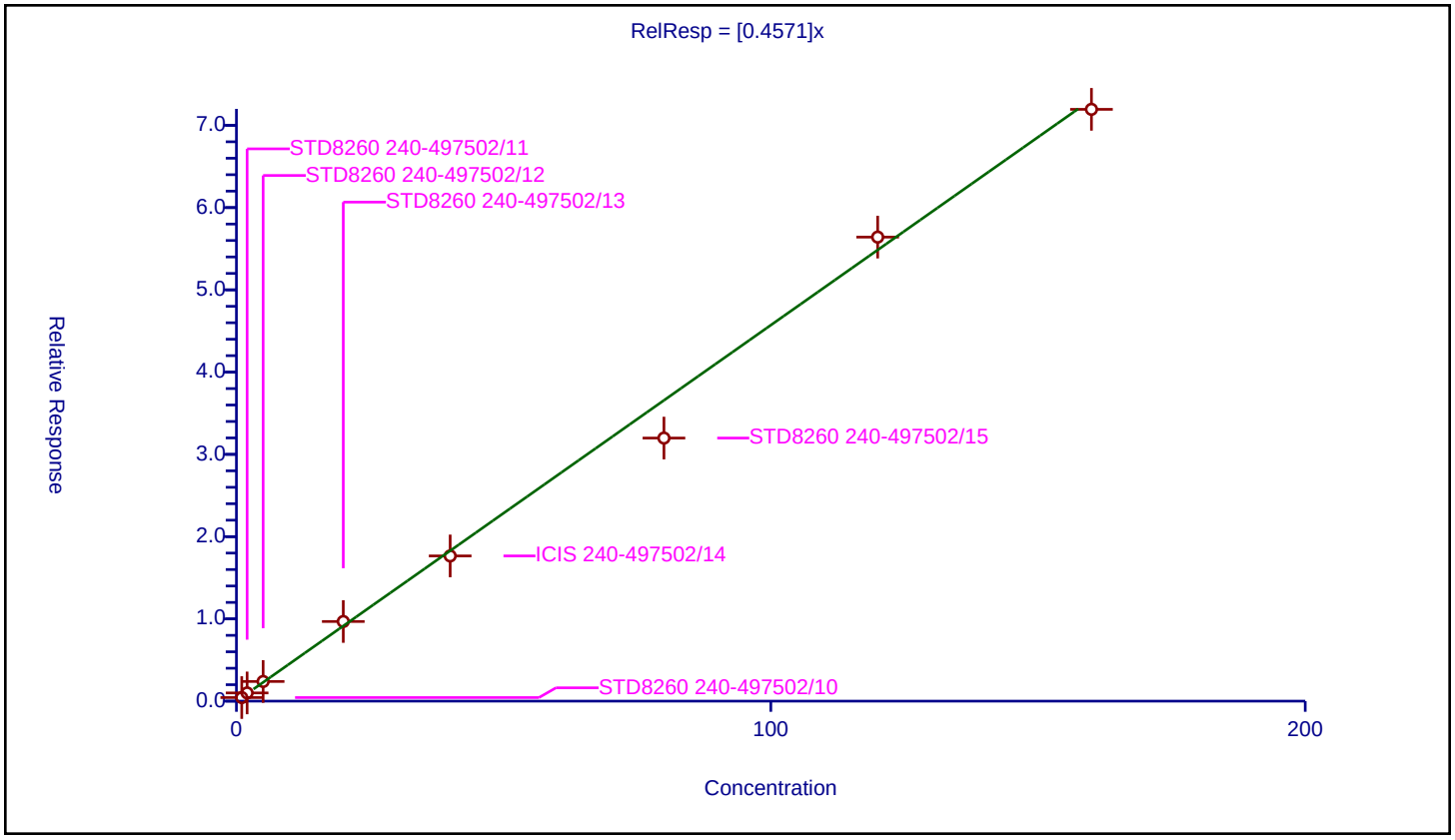
Curve Coefficients

Intercept:	0
Slope:	0.4571

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	7.0
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	1.0	0.434976	20.0	512488.0	0.434976	Y
2	STD8260 240-497502/11	2.0	0.997884	20.0	492442.0	0.498942	Y
3	STD8260 240-497502/12	5.0	2.389623	20.0	475799.0	0.477925	Y
4	STD8260 240-497502/13	20.0	9.682681	20.0	481377.0	0.484134	Y
5	ICIS 240-497502/14	40.0	17.653946	20.0	503211.0	0.441349	Y
6	STD8260 240-497502/15	80.0	31.982	20.0	551791.0	0.399775	Y
7	STD8260 240-497502/16	120.0	56.413283	20.0	651292.0	0.470111	Y
8	STD8260 240-497502/17	160.0	71.944636	20.0	671339.0	0.449654	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

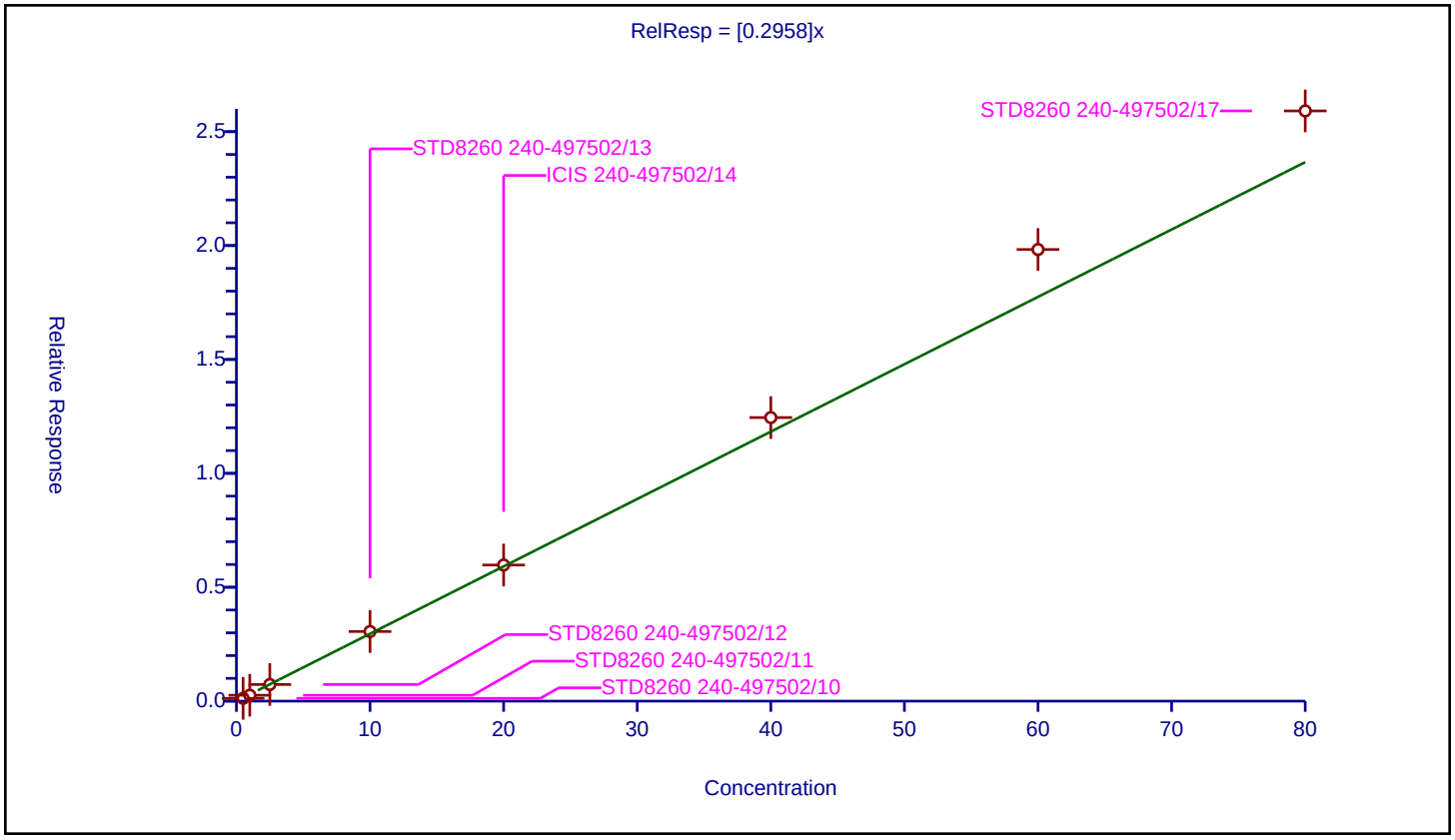
Curve Coefficients

Intercept:	0
Slope:	0.2958

Error Coefficients

Standard Error:	434000
Relative Standard Error:	10.1
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.122461	20.0	512488.0	0.244923	Y
2	STD8260 240-497502/11	1.0	0.259157	20.0	492442.0	0.259157	Y
3	STD8260 240-497502/12	2.5	0.730182	20.0	475799.0	0.292073	Y
4	STD8260 240-497502/13	10.0	3.057022	20.0	481377.0	0.305702	Y
5	ICIS 240-497502/14	20.0	5.975903	20.0	503211.0	0.298795	Y
6	STD8260 240-497502/15	40.0	12.449822	20.0	551791.0	0.311246	Y
7	STD8260 240-497502/16	60.0	19.827297	20.0	651292.0	0.330455	Y
8	STD8260 240-497502/17	80.0	25.911529	20.0	671339.0	0.323894	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

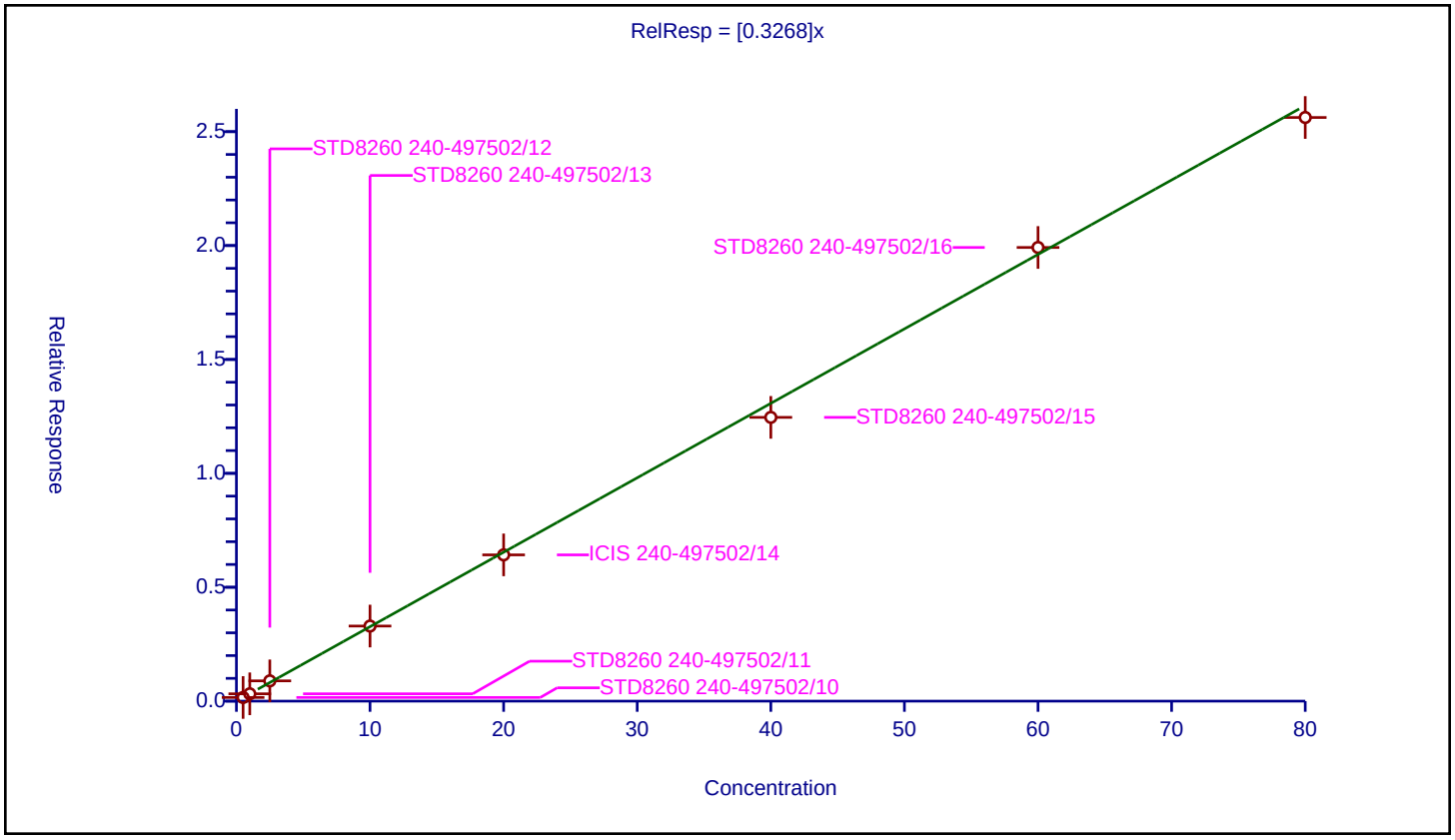
Curve Coefficients

Intercept:	0
Slope:	0.3268

Error Coefficients

Standard Error:	433000
Relative Standard Error:	4.1
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.161135	20.0	512488.0	0.322271	Y
2	STD8260 240-497502/11	1.0	0.322028	20.0	492442.0	0.322028	Y
3	STD8260 240-497502/12	2.5	0.889998	20.0	475799.0	0.355999	Y
4	STD8260 240-497502/13	10.0	3.296959	20.0	481377.0	0.329696	Y
5	ICIS 240-497502/14	20.0	6.420766	20.0	503211.0	0.321038	Y
6	STD8260 240-497502/15	40.0	12.457797	20.0	551791.0	0.311445	Y
7	STD8260 240-497502/16	60.0	19.916689	20.0	651292.0	0.331945	Y
8	STD8260 240-497502/17	80.0	25.622048	20.0	671339.0	0.320276	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

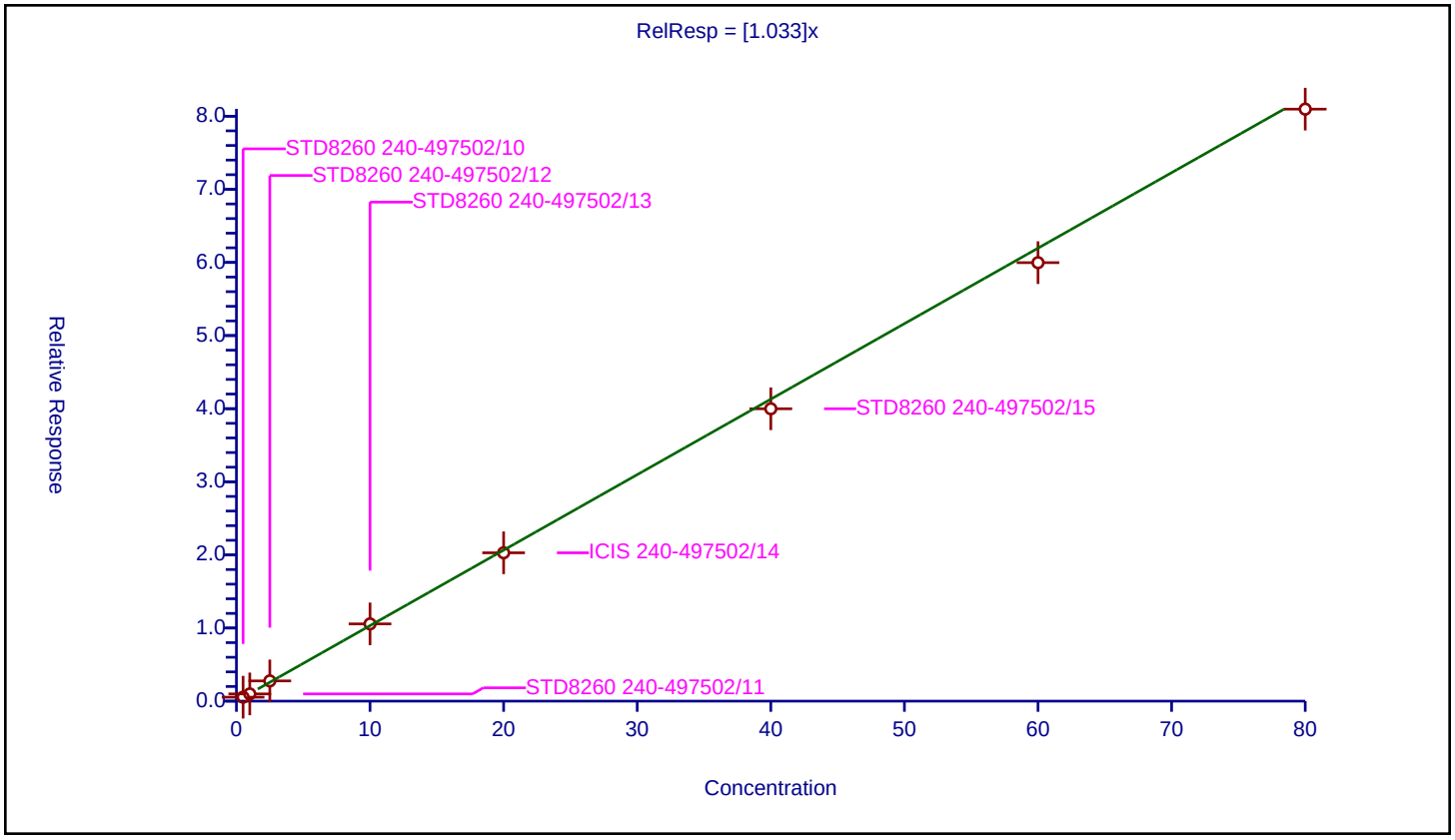
Curve Coefficients

Intercept:	0
Slope:	1.033

Error Coefficients

Standard Error:	1350000
Relative Standard Error:	4.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.541281	20.0	512488.0	1.082562	Y
2	STD8260 240-497502/11	1.0	0.988868	20.0	492442.0	0.988868	Y
3	STD8260 240-497502/12	2.5	2.766588	20.0	475799.0	1.106635	Y
4	STD8260 240-497502/13	10.0	10.5649	20.0	481377.0	1.05649	Y
5	ICIS 240-497502/14	20.0	20.288865	20.0	503211.0	1.014443	Y
6	STD8260 240-497502/15	40.0	39.988329	20.0	551791.0	0.999708	Y
7	STD8260 240-497502/16	60.0	59.969445	20.0	651292.0	0.999491	Y
8	STD8260 240-497502/17	80.0	80.965891	20.0	671339.0	1.012074	Y



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

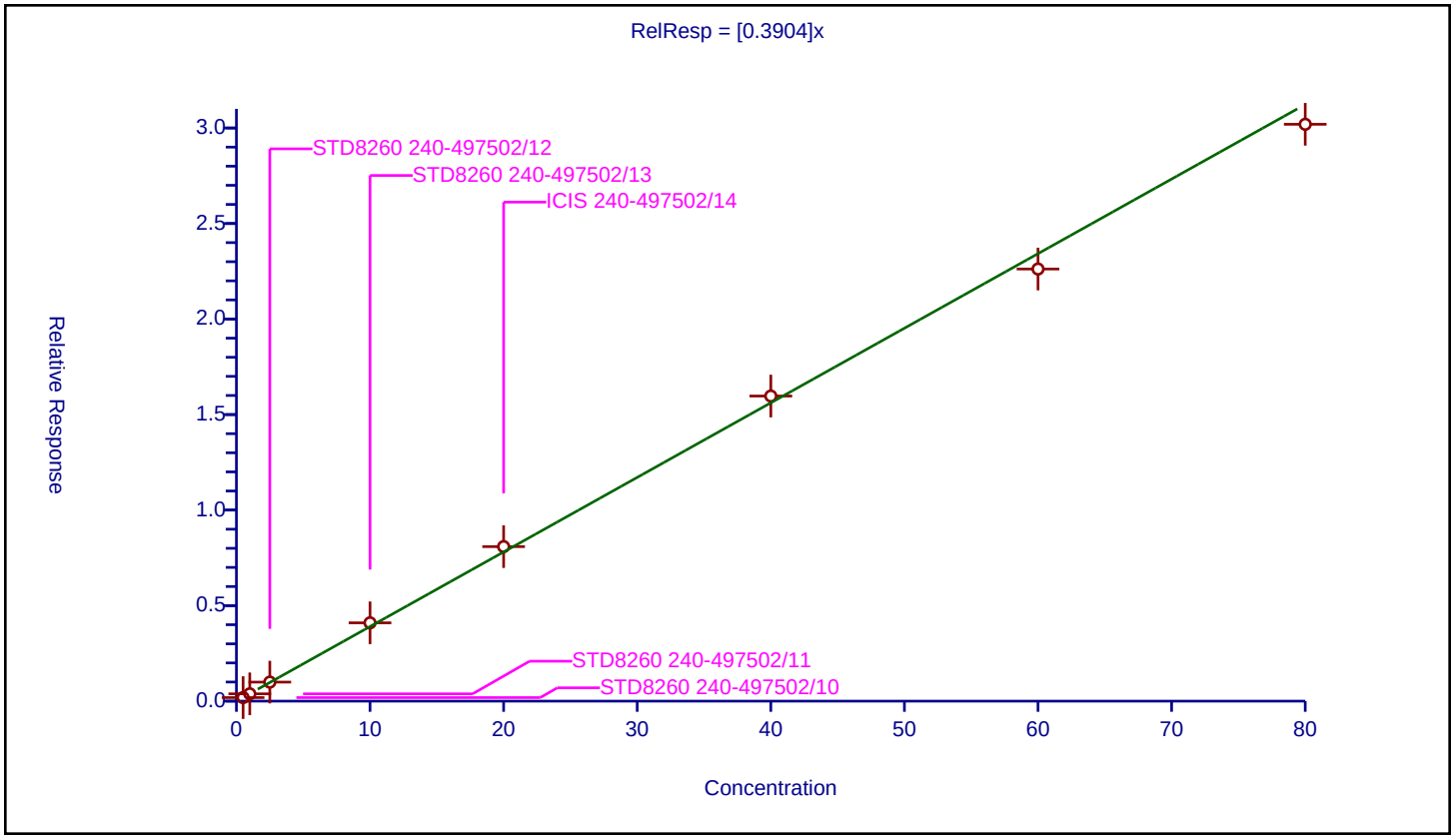
Curve Coefficients

Intercept:	0
Slope:	0.3904

Error Coefficients

Standard Error:	509000
Relative Standard Error:	3.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.186658	20.0	512488.0	0.373316	Y
2	STD8260 240-497502/11	1.0	0.383152	20.0	492442.0	0.383152	Y
3	STD8260 240-497502/12	2.5	0.996639	20.0	475799.0	0.398656	Y
4	STD8260 240-497502/13	10.0	4.099739	20.0	481377.0	0.409974	Y
5	ICIS 240-497502/14	20.0	8.087741	20.0	503211.0	0.404387	Y
6	STD8260 240-497502/15	40.0	15.969887	20.0	551791.0	0.399247	Y
7	STD8260 240-497502/16	60.0	22.618641	20.0	651292.0	0.376977	Y
8	STD8260 240-497502/17	80.0	30.193658	20.0	671339.0	0.377421	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

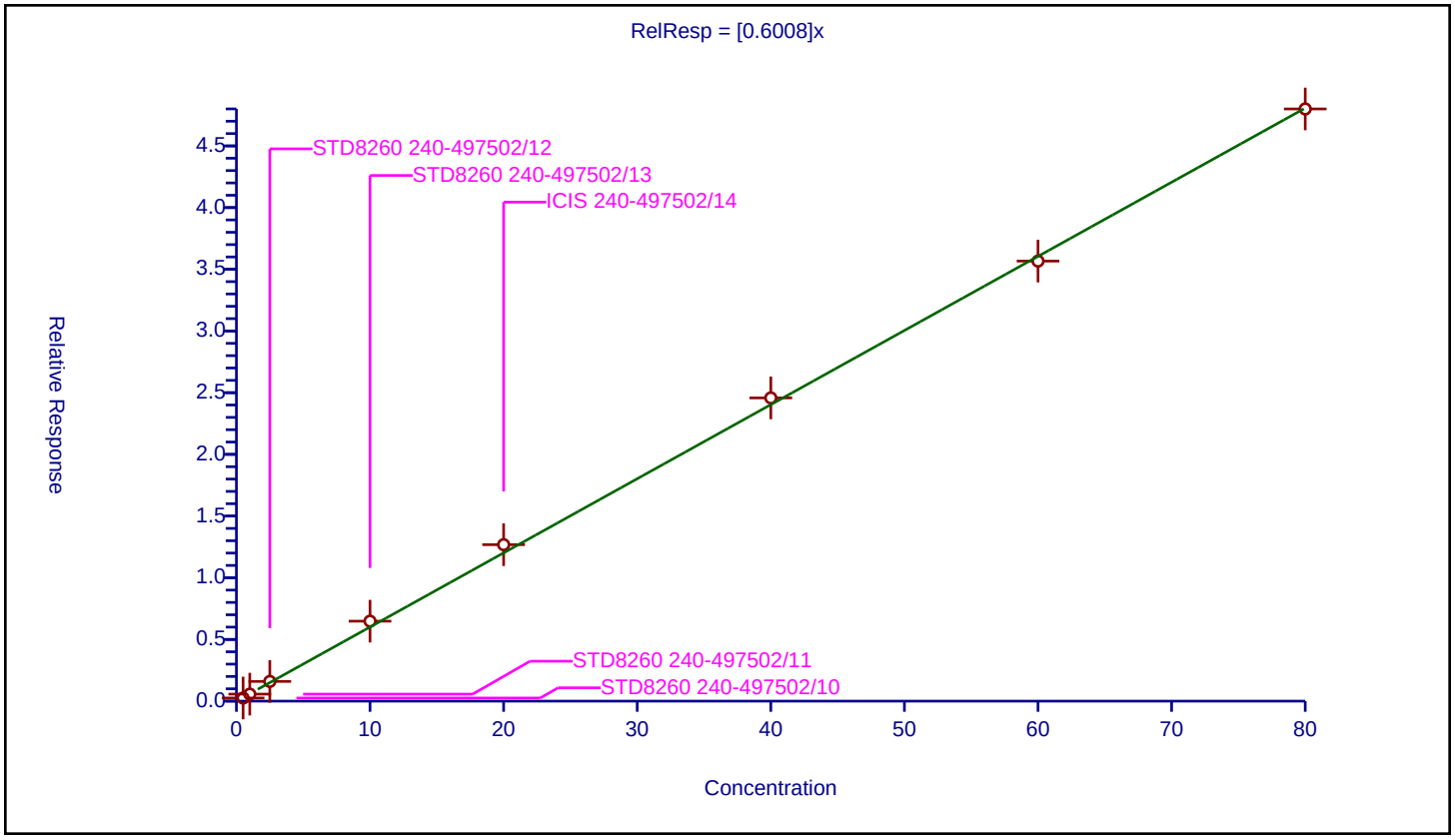
Curve Coefficients

Intercept:	0
Slope:	0.6008

Error Coefficients

Standard Error:	805000
Relative Standard Error:	7.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.25343	20.0	512488.0	0.506861	Y
2	STD8260 240-497502/11	1.0	0.569691	20.0	492442.0	0.569691	Y
3	STD8260 240-497502/12	2.5	1.597355	20.0	475799.0	0.638942	Y
4	STD8260 240-497502/13	10.0	6.481323	20.0	481377.0	0.648132	Y
5	ICIS 240-497502/14	20.0	12.681718	20.0	503211.0	0.634086	Y
6	STD8260 240-497502/15	40.0	24.576878	20.0	551791.0	0.614422	Y
7	STD8260 240-497502/16	60.0	35.665109	20.0	651292.0	0.594418	Y
8	STD8260 240-497502/17	80.0	47.994828	20.0	671339.0	0.599935	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

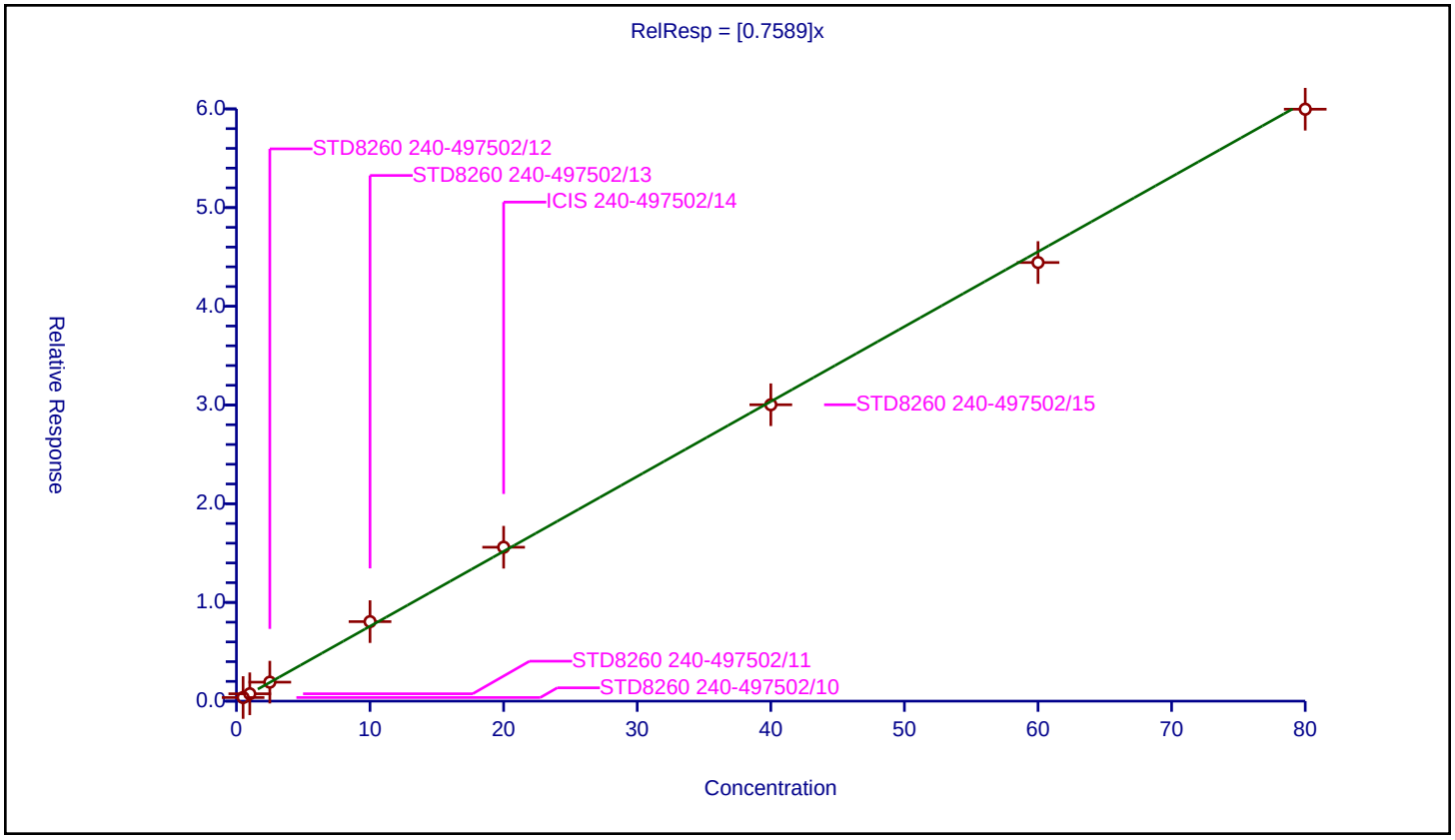
Curve Coefficients

Intercept:	0
Slope:	0.7589

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	3.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.364457	20.0	512488.0	0.728915	Y
2	STD8260 240-497502/11	1.0	0.747093	20.0	492442.0	0.747093	Y
3	STD8260 240-497502/12	2.5	1.92245	20.0	475799.0	0.76898	Y
4	STD8260 240-497502/13	10.0	8.054352	20.0	481377.0	0.805435	Y
5	ICIS 240-497502/14	20.0	15.590955	20.0	503211.0	0.779548	Y
6	STD8260 240-497502/15	40.0	30.027819	20.0	551791.0	0.750695	Y
7	STD8260 240-497502/16	60.0	44.437457	20.0	651292.0	0.740624	Y
8	STD8260 240-497502/17	80.0	59.966396	20.0	671339.0	0.74958	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

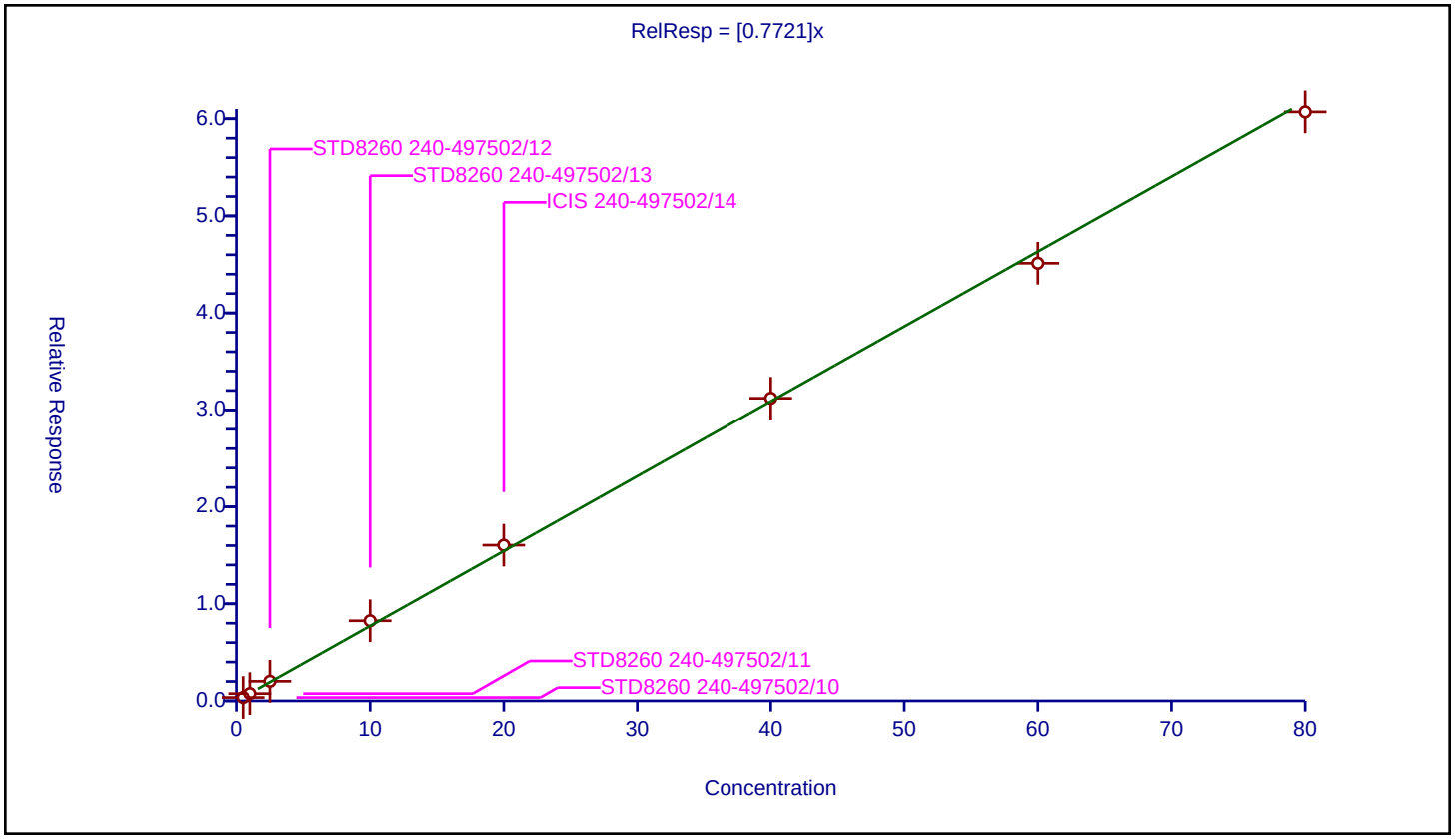
Curve Coefficients

Intercept:	0
Slope:	0.7721

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	5.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.350369	20.0	512488.0	0.700738	Y
2	STD8260 240-497502/11	1.0	0.749571	20.0	492442.0	0.749571	Y
3	STD8260 240-497502/12	2.5	2.019802	20.0	475799.0	0.807921	Y
4	STD8260 240-497502/13	10.0	8.253448	20.0	481377.0	0.825345	Y
5	ICIS 240-497502/14	20.0	16.043926	20.0	503211.0	0.802196	Y
6	STD8260 240-497502/15	40.0	31.20417	20.0	551791.0	0.780104	Y
7	STD8260 240-497502/16	60.0	45.126026	20.0	651292.0	0.7521	Y
8	STD8260 240-497502/17	80.0	60.703102	20.0	671339.0	0.758789	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

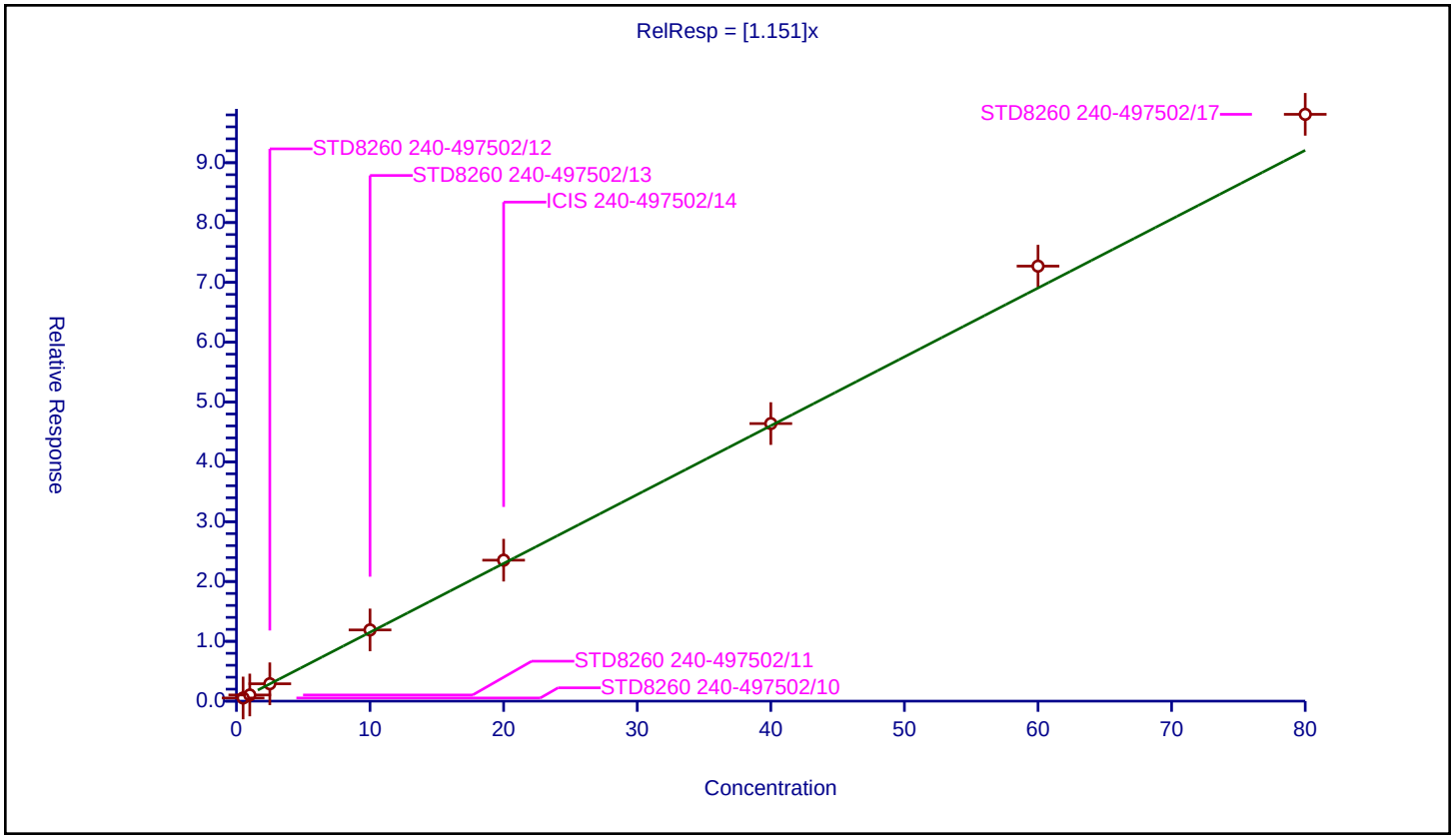
Curve Coefficients

Intercept:	0
Slope:	1.151

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	6.3
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.525671	20.0	512488.0	1.051342	Y
2	STD8260 240-497502/11	1.0	1.028507	20.0	492442.0	1.028507	Y
3	STD8260 240-497502/12	2.5	2.903705	20.0	475799.0	1.161482	Y
4	STD8260 240-497502/13	10.0	11.904931	20.0	481377.0	1.190493	Y
5	ICIS 240-497502/14	20.0	23.563078	20.0	503211.0	1.178154	Y
6	STD8260 240-497502/15	40.0	46.396734	20.0	551791.0	1.159918	Y
7	STD8260 240-497502/16	60.0	72.713898	20.0	651292.0	1.211898	Y
8	STD8260 240-497502/17	80.0	98.090711	20.0	671339.0	1.226134	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

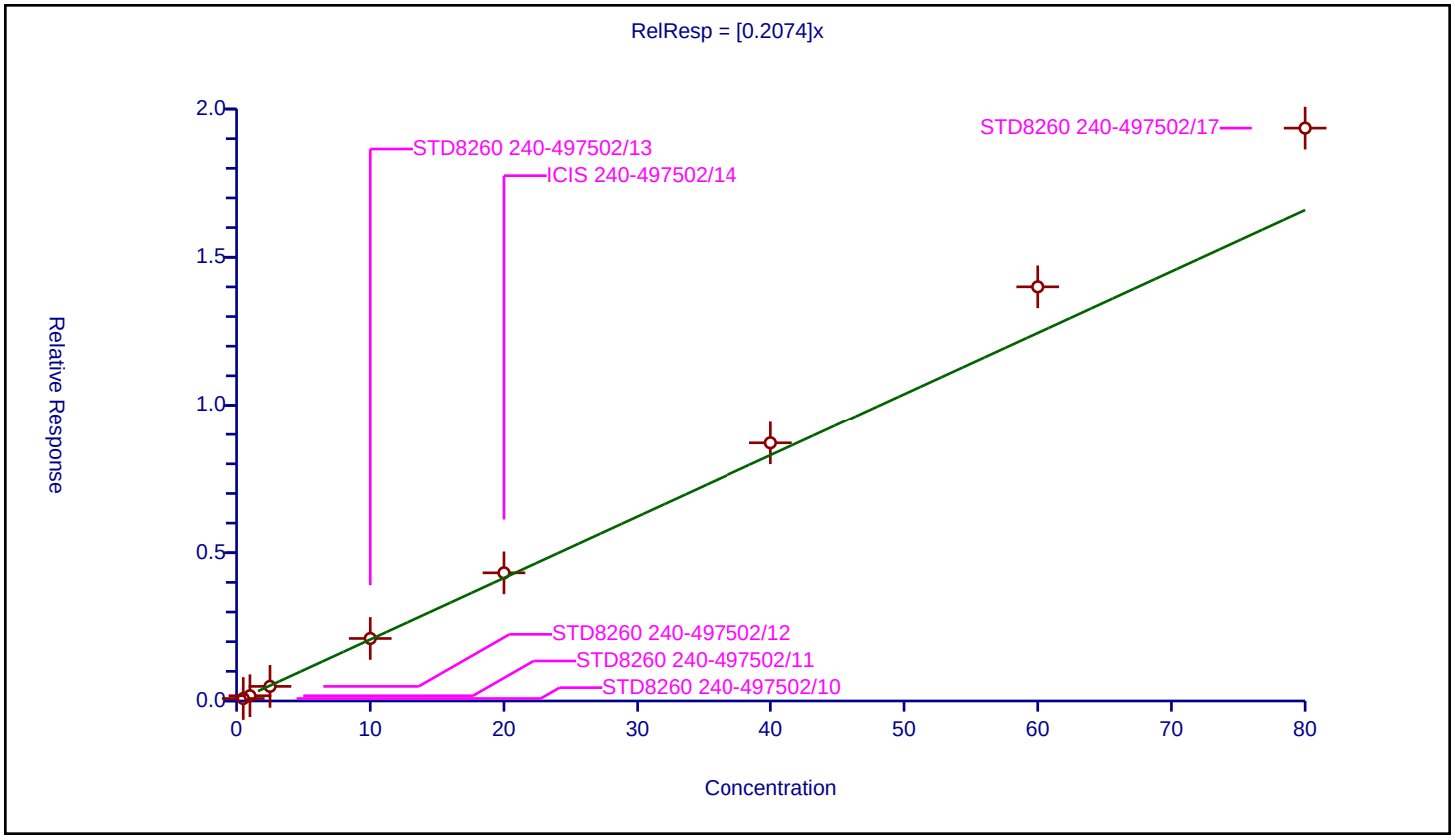
Curve Coefficients

Intercept:	0
Slope:	0.2074

Error Coefficients

Standard Error:	317000
Relative Standard Error:	12.7
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.08289	20.0	512488.0	0.165779	Y
2	STD8260 240-497502/11	1.0	0.176427	20.0	492442.0	0.176427	Y
3	STD8260 240-497502/12	2.5	0.492687	20.0	475799.0	0.197075	Y
4	STD8260 240-497502/13	10.0	2.108576	20.0	481377.0	0.210858	Y
5	ICIS 240-497502/14	20.0	4.322084	20.0	503211.0	0.216104	Y
6	STD8260 240-497502/15	40.0	8.709747	20.0	551791.0	0.217744	Y
7	STD8260 240-497502/16	60.0	14.002567	20.0	651292.0	0.233376	Y
8	STD8260 240-497502/17	80.0	19.355944	20.0	671339.0	0.241949	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

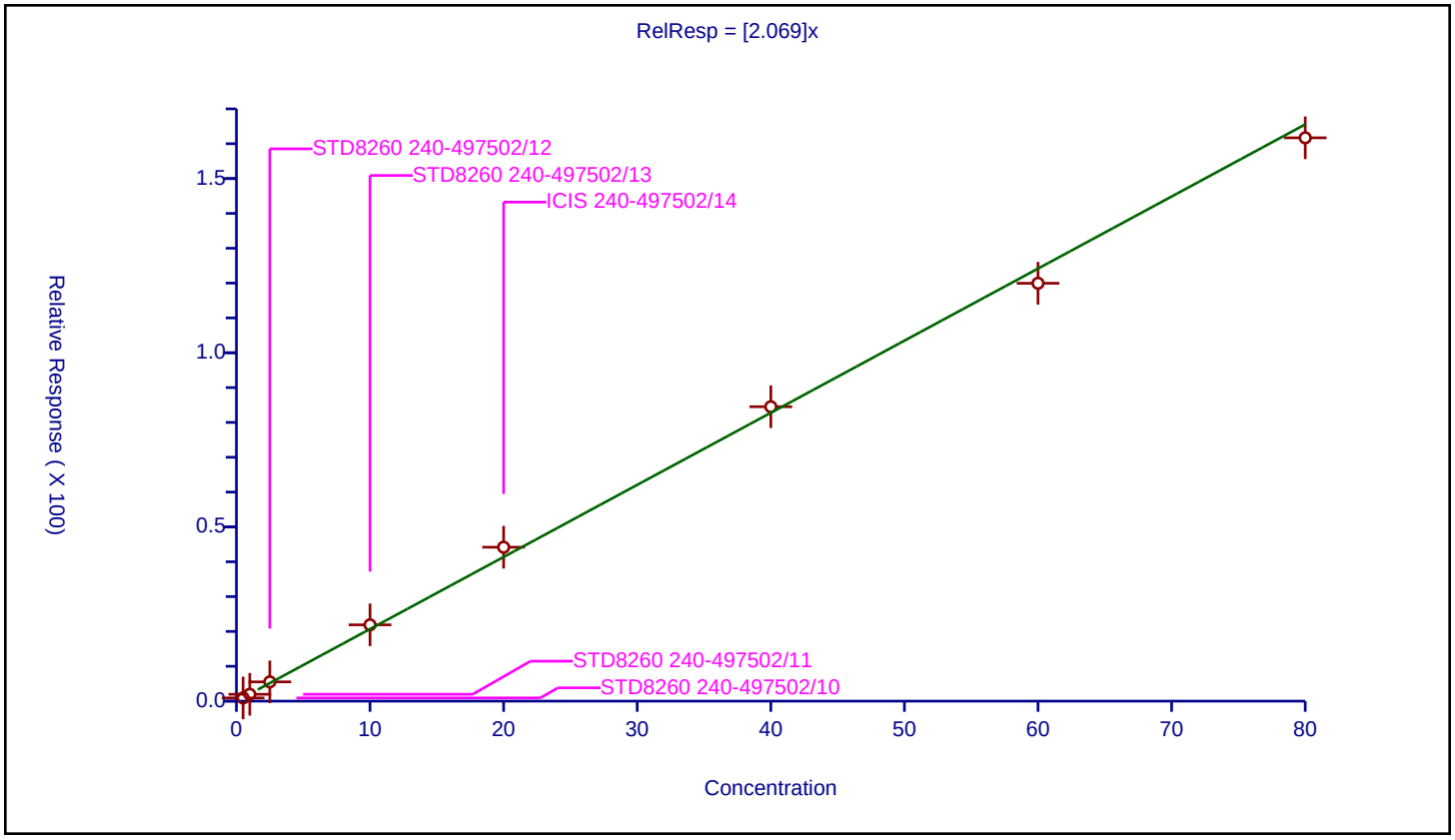
Curve Coefficients

Intercept:	0
Slope:	2.069

Error Coefficients

Standard Error:	2720000
Relative Standard Error:	6.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.922168	20.0	512488.0	1.844336	Y
2	STD8260 240-497502/11	1.0	1.965348	20.0	492442.0	1.965348	Y
3	STD8260 240-497502/12	2.5	5.529688	20.0	475799.0	2.211875	Y
4	STD8260 240-497502/13	10.0	21.901503	20.0	481377.0	2.19015	Y
5	ICIS 240-497502/14	20.0	44.186236	20.0	503211.0	2.209312	Y
6	STD8260 240-497502/15	40.0	84.512759	20.0	551791.0	2.112819	Y
7	STD8260 240-497502/16	60.0	119.944756	20.0	651292.0	1.999079	Y
8	STD8260 240-497502/17	80.0	161.694822	20.0	671339.0	2.021185	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

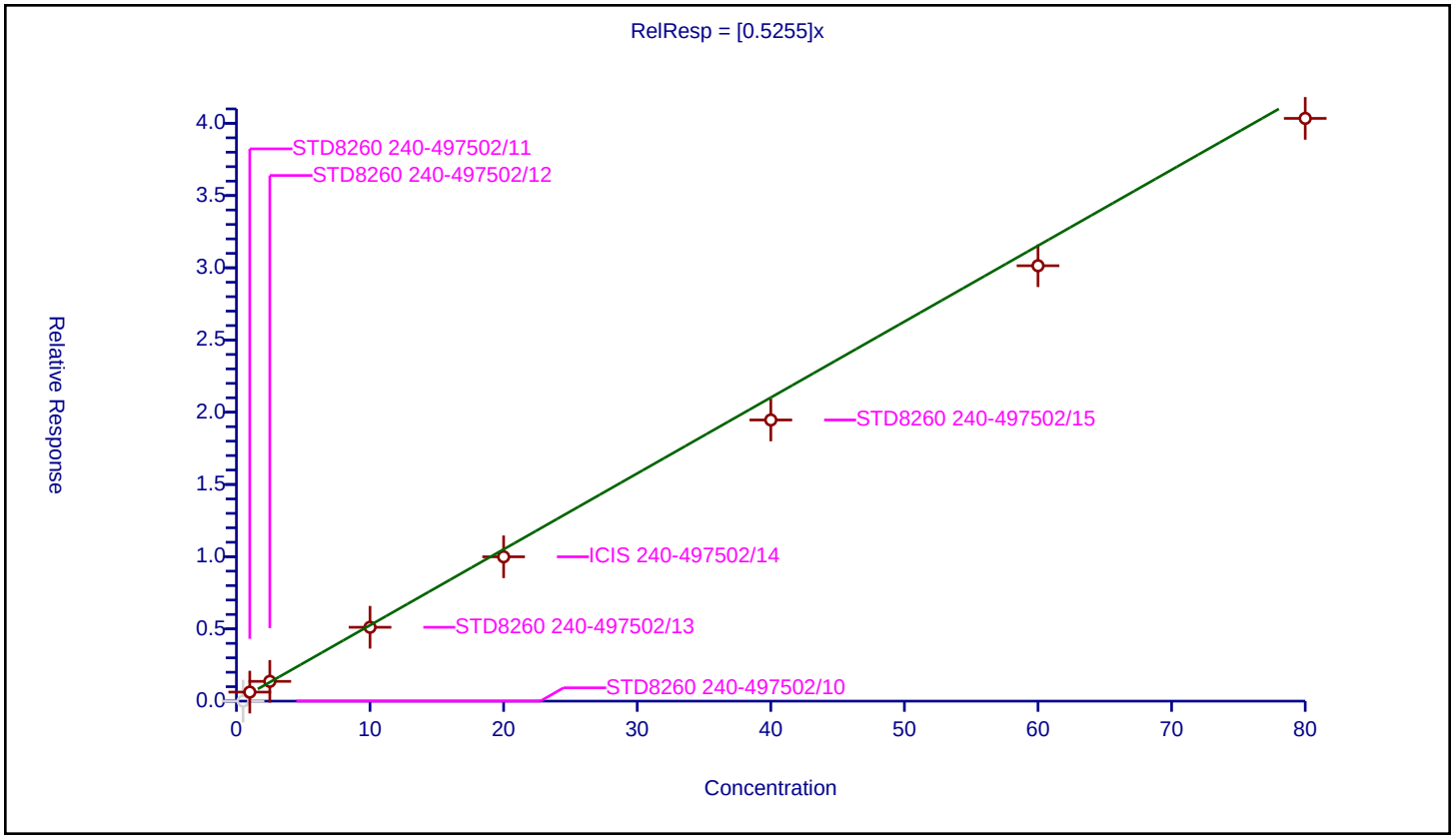
Curve Coefficients

Intercept:	0
Slope:	0.5255

Error Coefficients

Standard Error:	726000
Relative Standard Error:	9.2
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.0	20.0	512488.0	0.0	N
2	STD8260 240-497502/11	1.0	0.626592	20.0	492442.0	0.626592	Y
3	STD8260 240-497502/12	2.5	1.368687	20.0	475799.0	0.547475	Y
4	STD8260 240-497502/13	10.0	5.113165	20.0	481377.0	0.511316	Y
5	ICIS 240-497502/14	20.0	9.991713	20.0	503211.0	0.499586	Y
6	STD8260 240-497502/15	40.0	19.464507	20.0	551791.0	0.486613	Y
7	STD8260 240-497502/16	60.0	30.14181	20.0	651292.0	0.502364	Y
8	STD8260 240-497502/17	80.0	40.343135	20.0	671339.0	0.504289	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

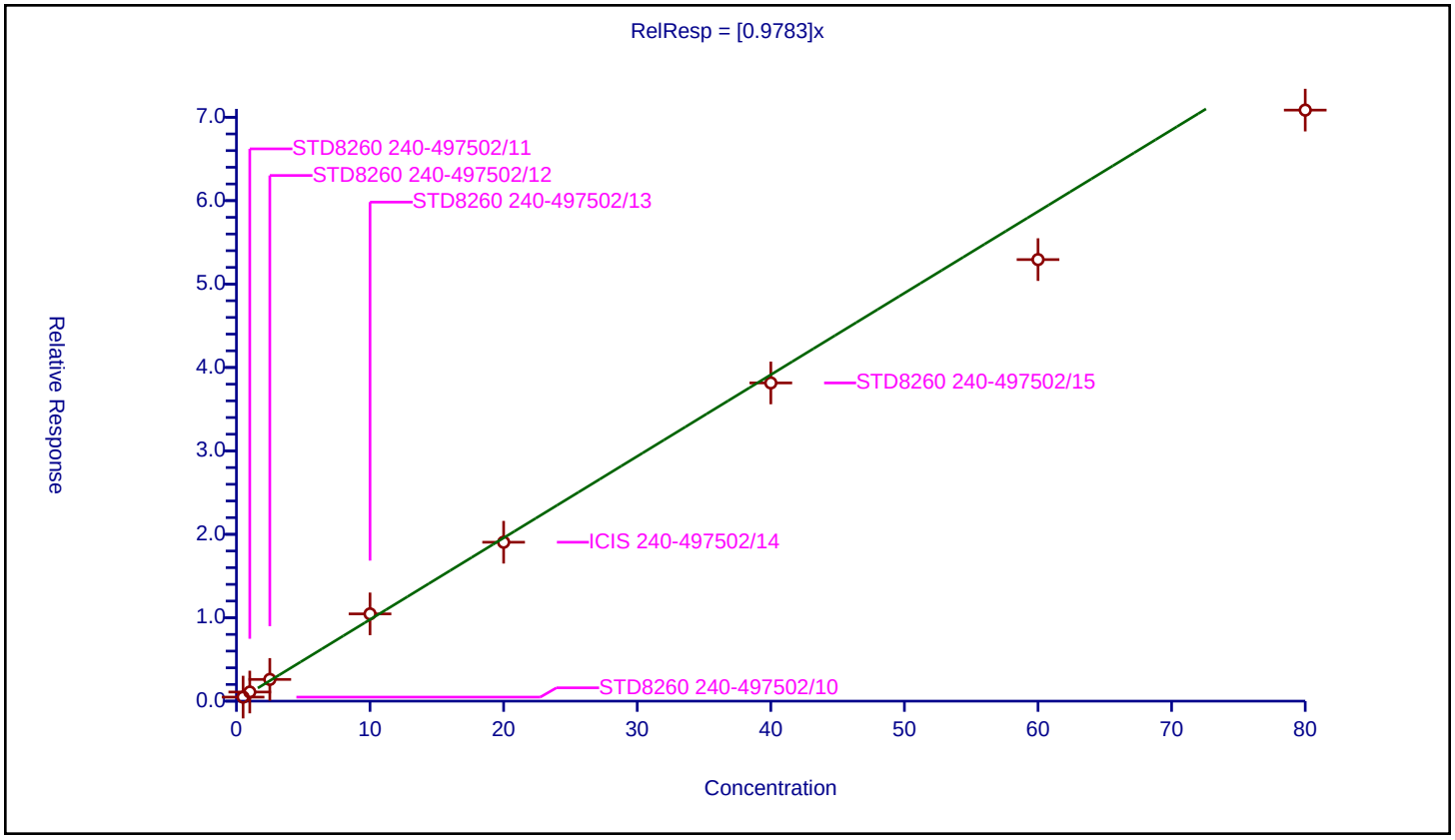
Curve Coefficients

Intercept:	0
Slope:	0.9783

Error Coefficients

Standard Error:	720000
Relative Standard Error:	7.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.485208	20.0	288124.0	0.970416	Y
2	STD8260 240-497502/11	1.0	1.093906	20.0	265818.0	1.093906	Y
3	STD8260 240-497502/12	2.5	2.604381	20.0	260008.0	1.041753	Y
4	STD8260 240-497502/13	10.0	10.46089	20.0	268025.0	1.046089	Y
5	ICIS 240-497502/14	20.0	19.052278	20.0	297851.0	0.952614	Y
6	STD8260 240-497502/15	40.0	38.147518	20.0	308451.0	0.953688	Y
7	STD8260 240-497502/16	60.0	52.934481	20.0	393930.0	0.882241	Y
8	STD8260 240-497502/17	80.0	70.856987	20.0	408139.0	0.885712	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

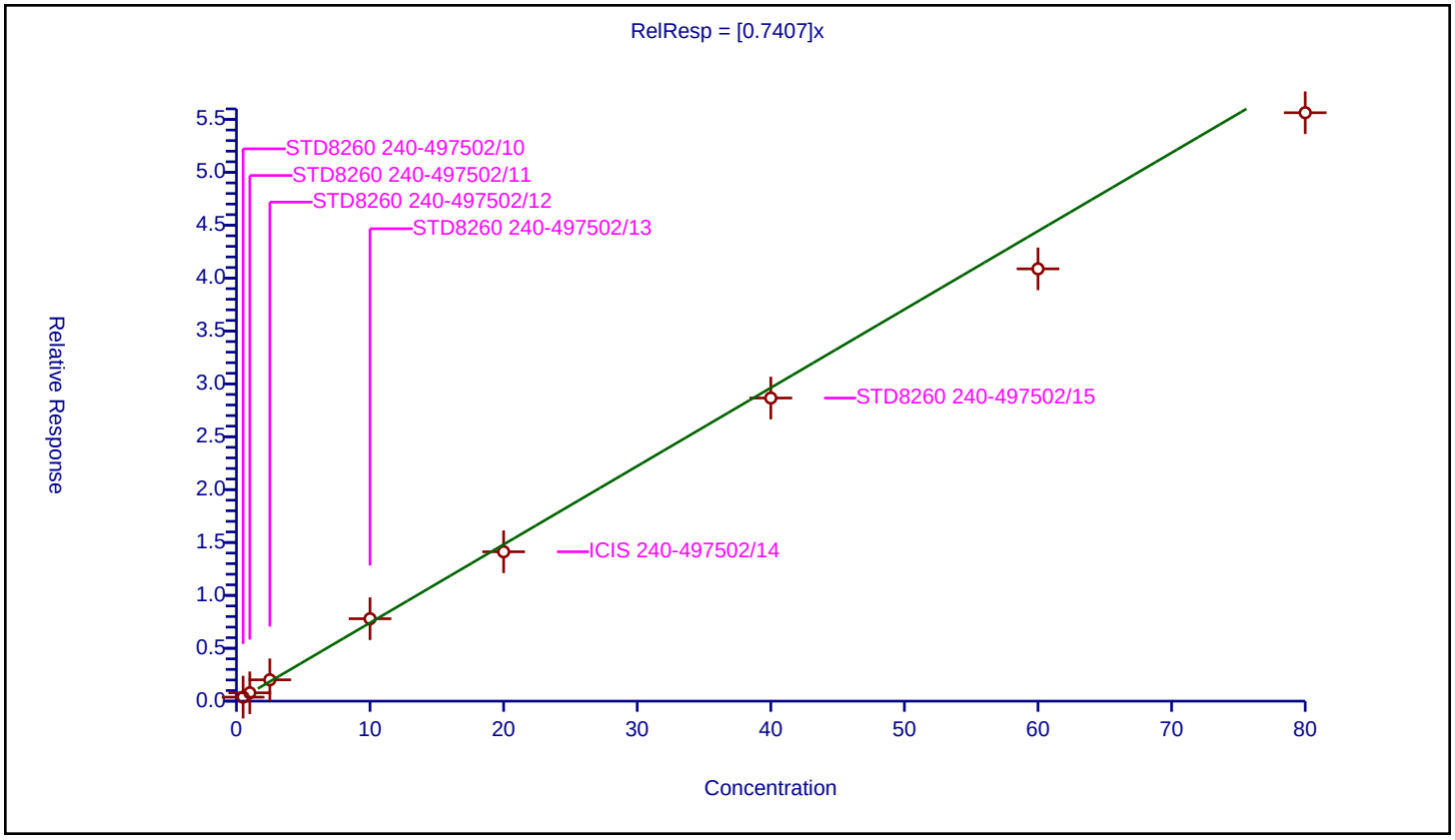
Curve Coefficients

Intercept:	0
Slope:	0.7407

Error Coefficients

Standard Error:	559000
Relative Standard Error:	6.3
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.377199	20.0	288124.0	0.754397	Y
2	STD8260 240-497502/11	1.0	0.786628	20.0	265818.0	0.786628	Y
3	STD8260 240-497502/12	2.5	2.015169	20.0	260008.0	0.806068	Y
4	STD8260 240-497502/13	10.0	7.793228	20.0	268025.0	0.779323	Y
5	ICIS 240-497502/14	20.0	14.124109	20.0	297851.0	0.706205	Y
6	STD8260 240-497502/15	40.0	28.660436	20.0	308451.0	0.716511	Y
7	STD8260 240-497502/16	60.0	40.874267	20.0	393930.0	0.681238	Y
8	STD8260 240-497502/17	80.0	55.637859	20.0	408139.0	0.695473	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

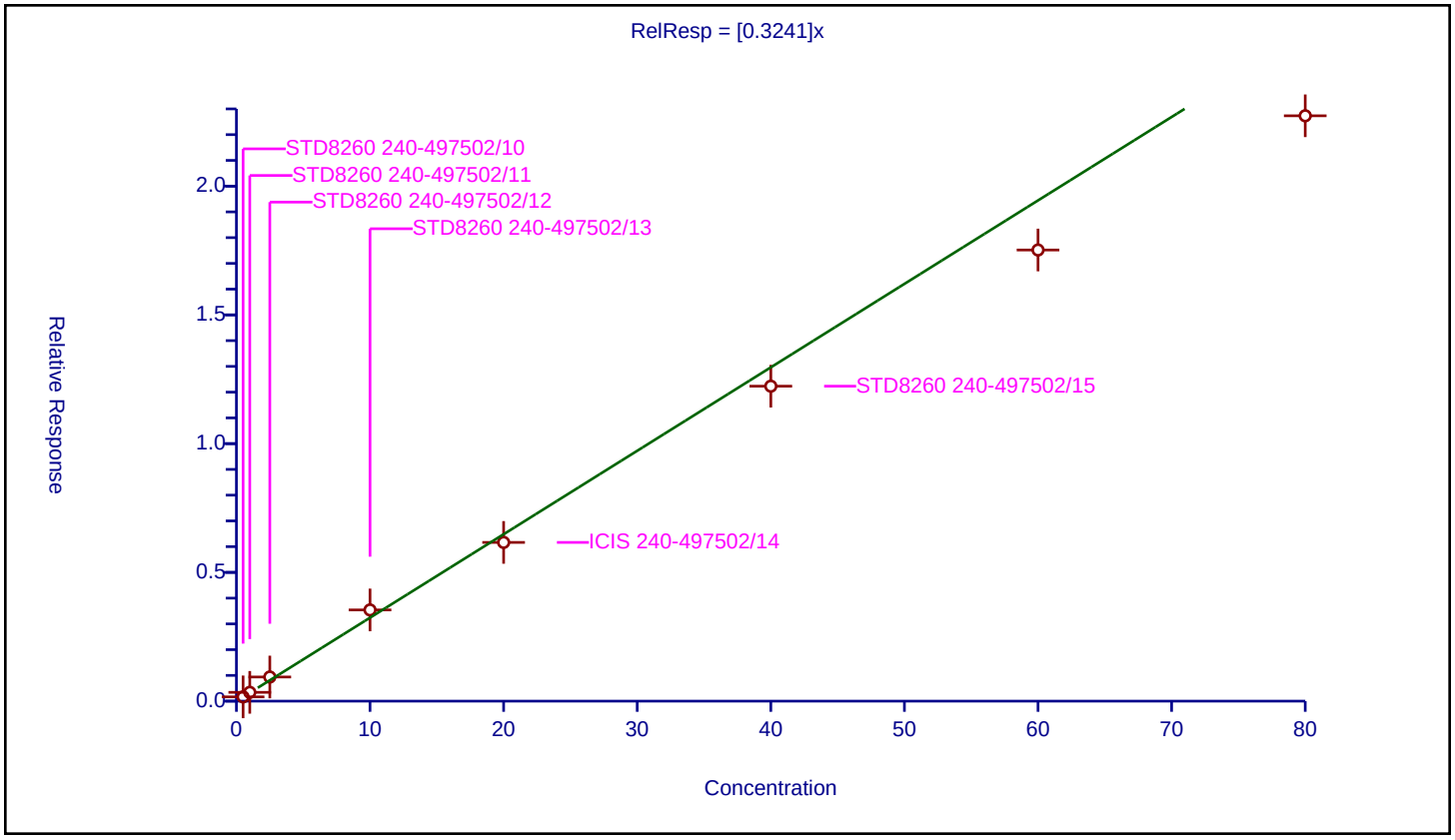
Curve Coefficients

Intercept:	0
Slope:	0.3241

Error Coefficients

Standard Error:	233000
Relative Standard Error:	9.8
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.165762	20.0	288124.0	0.331524	Y
2	STD8260 240-497502/11	1.0	0.341587	20.0	265818.0	0.341587	Y
3	STD8260 240-497502/12	2.5	0.93774	20.0	260008.0	0.375096	Y
4	STD8260 240-497502/13	10.0	3.542505	20.0	268025.0	0.354251	Y
5	ICIS 240-497502/14	20.0	6.163619	20.0	297851.0	0.308181	Y
6	STD8260 240-497502/15	40.0	12.231375	20.0	308451.0	0.305784	Y
7	STD8260 240-497502/16	60.0	17.520118	20.0	393930.0	0.292002	Y
8	STD8260 240-497502/17	80.0	22.732598	20.0	408139.0	0.284157	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

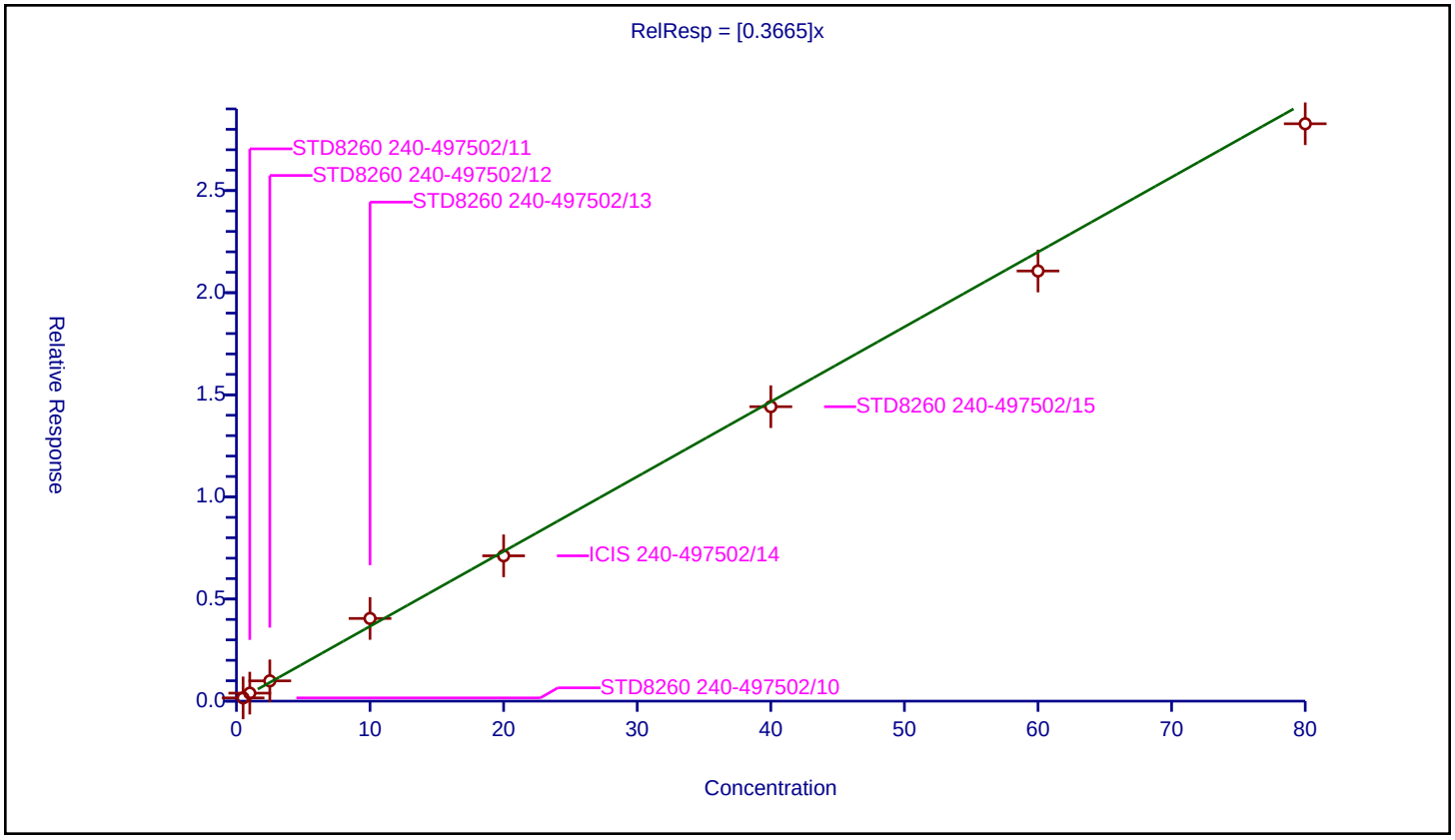
Curve Coefficients

Intercept:	0
Slope:	0.3665

Error Coefficients

Standard Error:	285000
Relative Standard Error:	8.0
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.158821	20.0	288124.0	0.317641	Y
2	STD8260 240-497502/11	1.0	0.391621	20.0	265818.0	0.391621	Y
3	STD8260 240-497502/12	2.5	0.992662	20.0	260008.0	0.397065	Y
4	STD8260 240-497502/13	10.0	4.049025	20.0	268025.0	0.404903	Y
5	ICIS 240-497502/14	20.0	7.11678	20.0	297851.0	0.355839	Y
6	STD8260 240-497502/15	40.0	14.41759	20.0	308451.0	0.36044	Y
7	STD8260 240-497502/16	60.0	21.062828	20.0	393930.0	0.351047	Y
8	STD8260 240-497502/17	80.0	28.271741	20.0	408139.0	0.353397	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

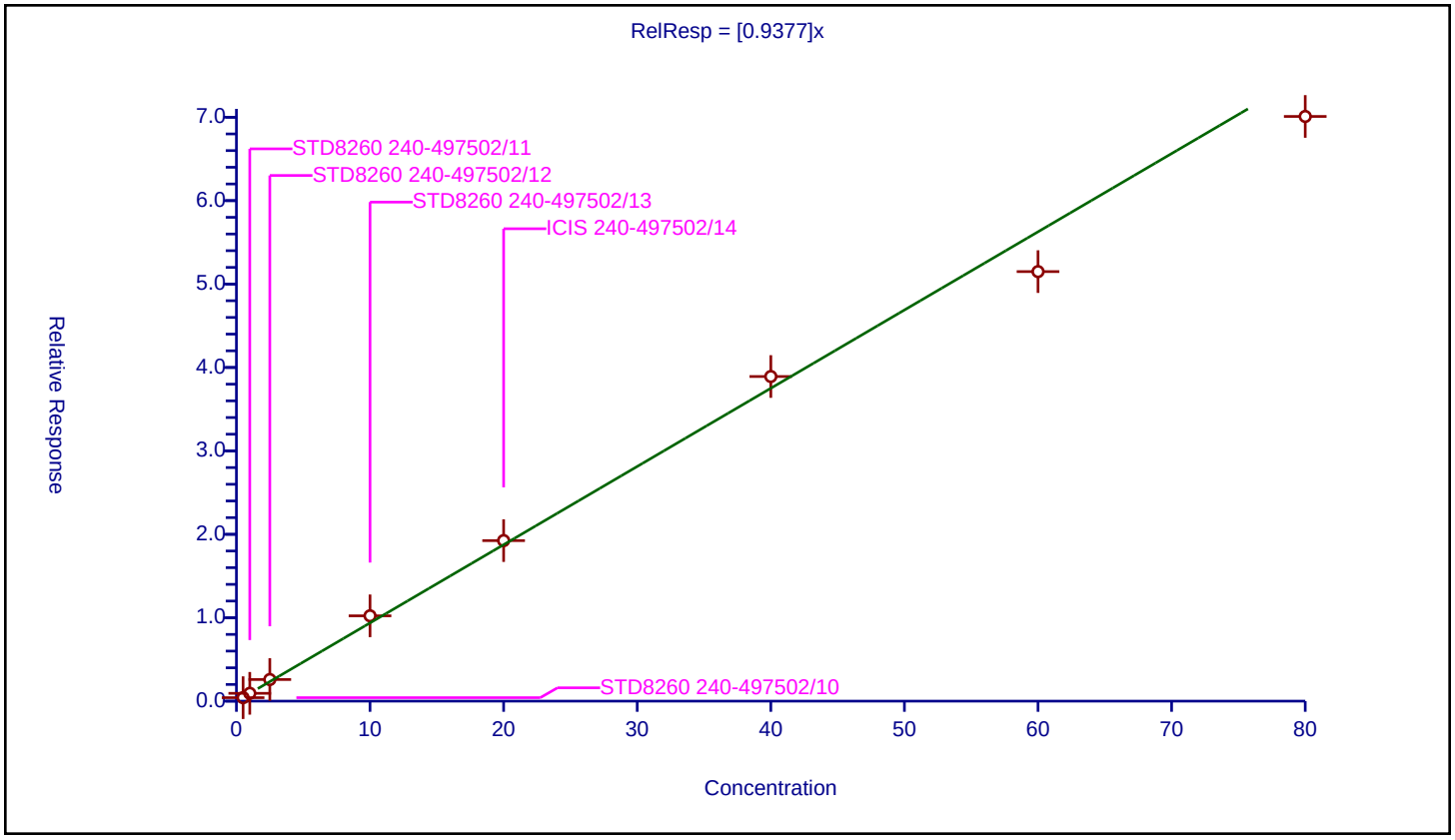
Curve Coefficients

Intercept:	0
Slope:	0.9377

Error Coefficients

Standard Error:	711000
Relative Standard Error:	8.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.417181	20.0	288124.0	0.834363	Y
2	STD8260 240-497502/11	1.0	0.938537	20.0	265818.0	0.938537	Y
3	STD8260 240-497502/12	2.5	2.591228	20.0	260008.0	1.036491	Y
4	STD8260 240-497502/13	10.0	10.229344	20.0	268025.0	1.022934	Y
5	ICIS 240-497502/14	20.0	19.246133	20.0	297851.0	0.962307	Y
6	STD8260 240-497502/15	40.0	38.917689	20.0	308451.0	0.972942	Y
7	STD8260 240-497502/16	60.0	51.494326	20.0	393930.0	0.858239	Y
8	STD8260 240-497502/17	80.0	70.093718	20.0	408139.0	0.876171	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

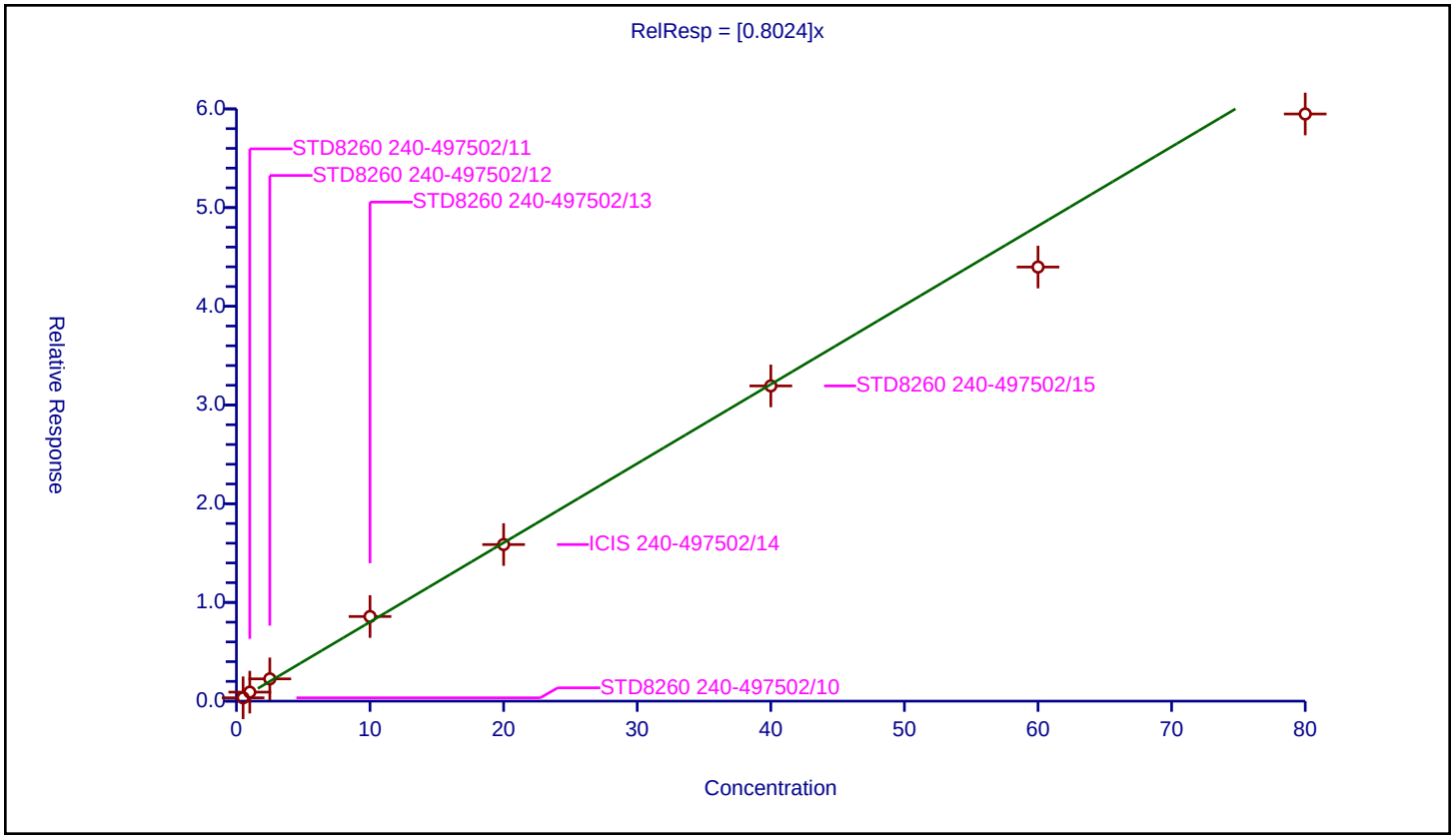
Curve Coefficients

Intercept:	0
Slope:	0.8024

Error Coefficients

Standard Error:	602000
Relative Standard Error:	10.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.338743	20.0	288124.0	0.677486	Y
2	STD8260 240-497502/11	1.0	0.913407	20.0	265818.0	0.913407	Y
3	STD8260 240-497502/12	2.5	2.256008	20.0	260008.0	0.902403	Y
4	STD8260 240-497502/13	10.0	8.574648	20.0	268025.0	0.857465	Y
5	ICIS 240-497502/14	20.0	15.863637	20.0	297851.0	0.793182	Y
6	STD8260 240-497502/15	40.0	31.936094	20.0	308451.0	0.798402	Y
7	STD8260 240-497502/16	60.0	43.976696	20.0	393930.0	0.732945	Y
8	STD8260 240-497502/17	80.0	59.484538	20.0	408139.0	0.743557	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

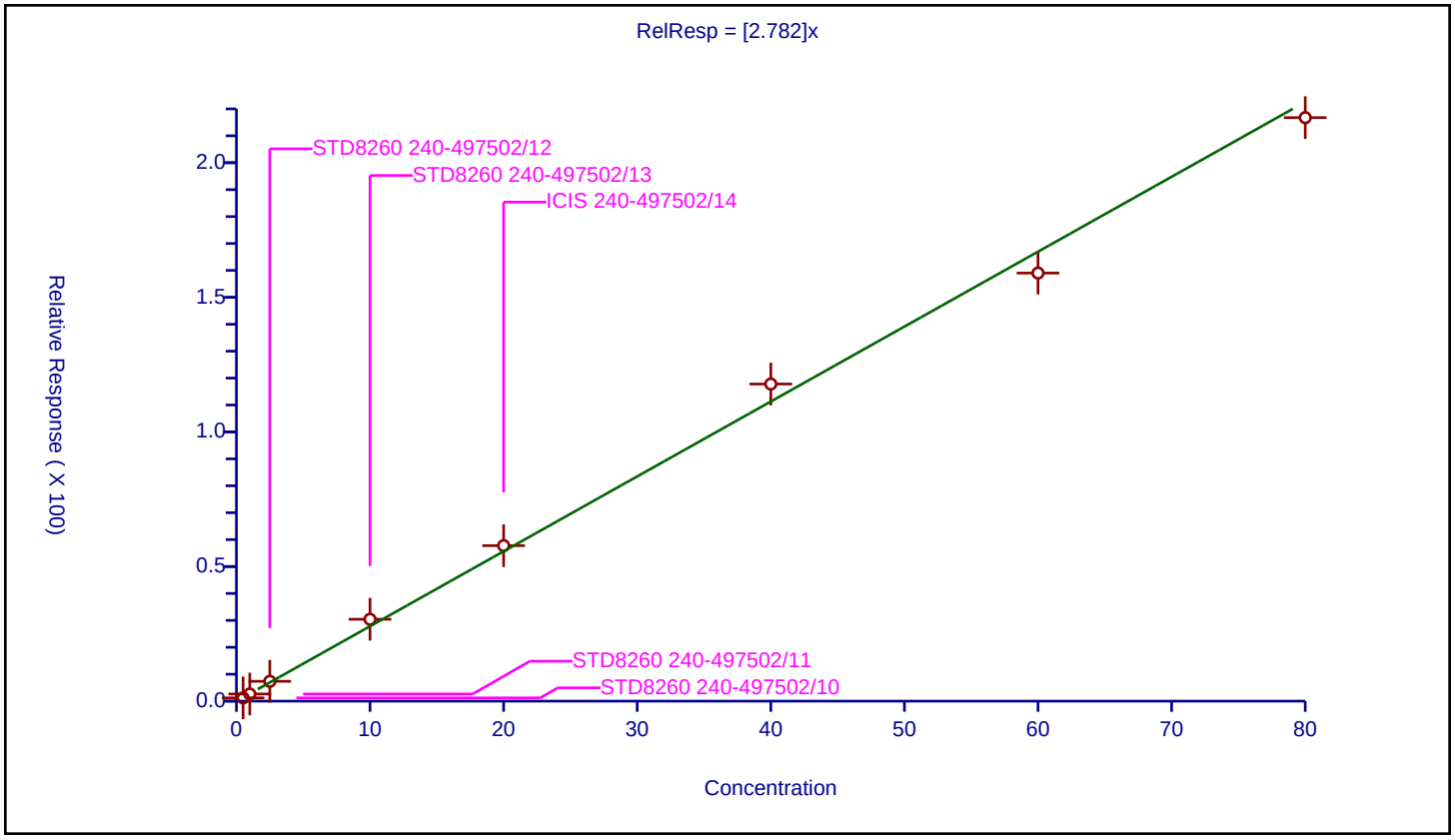
Curve Coefficients

Intercept:	0
Slope:	2.782

Error Coefficients

Standard Error:	2190000
Relative Standard Error:	7.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	1.211978	20.0	288124.0	2.423956	Y
2	STD8260 240-497502/11	1.0	2.657307	20.0	265818.0	2.657307	Y
3	STD8260 240-497502/12	2.5	7.361235	20.0	260008.0	2.944494	Y
4	STD8260 240-497502/13	10.0	30.413506	20.0	268025.0	3.041351	Y
5	ICIS 240-497502/14	20.0	57.759954	20.0	297851.0	2.887998	Y
6	STD8260 240-497502/15	40.0	117.795436	20.0	308451.0	2.944886	Y
7	STD8260 240-497502/16	60.0	159.017541	20.0	393930.0	2.650292	Y
8	STD8260 240-497502/17	80.0	216.744834	20.0	408139.0	2.70931	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

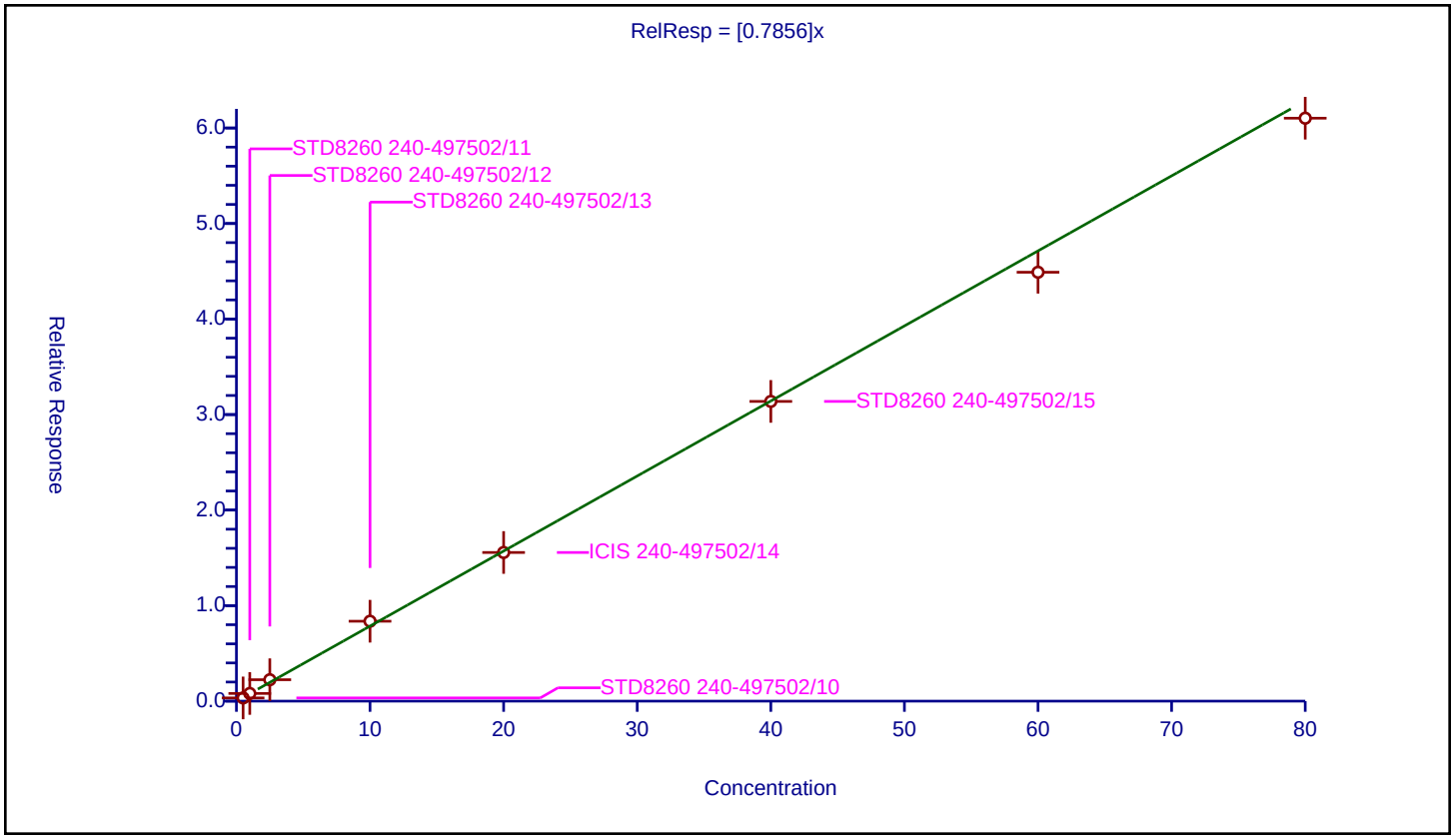
Curve Coefficients

Intercept:	0
Slope:	0.7856

Error Coefficients

Standard Error:	613000
Relative Standard Error:	8.3
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.337216	20.0	288124.0	0.674432	Y
2	STD8260 240-497502/11	1.0	0.803181	20.0	265818.0	0.803181	Y
3	STD8260 240-497502/12	2.5	2.2417	20.0	260008.0	0.89668	Y
4	STD8260 240-497502/13	10.0	8.365488	20.0	268025.0	0.836549	Y
5	ICIS 240-497502/14	20.0	15.561539	20.0	297851.0	0.778077	Y
6	STD8260 240-497502/15	40.0	31.378209	20.0	308451.0	0.784455	Y
7	STD8260 240-497502/16	60.0	44.898992	20.0	393930.0	0.748317	Y
8	STD8260 240-497502/17	80.0	61.026415	20.0	408139.0	0.76283	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

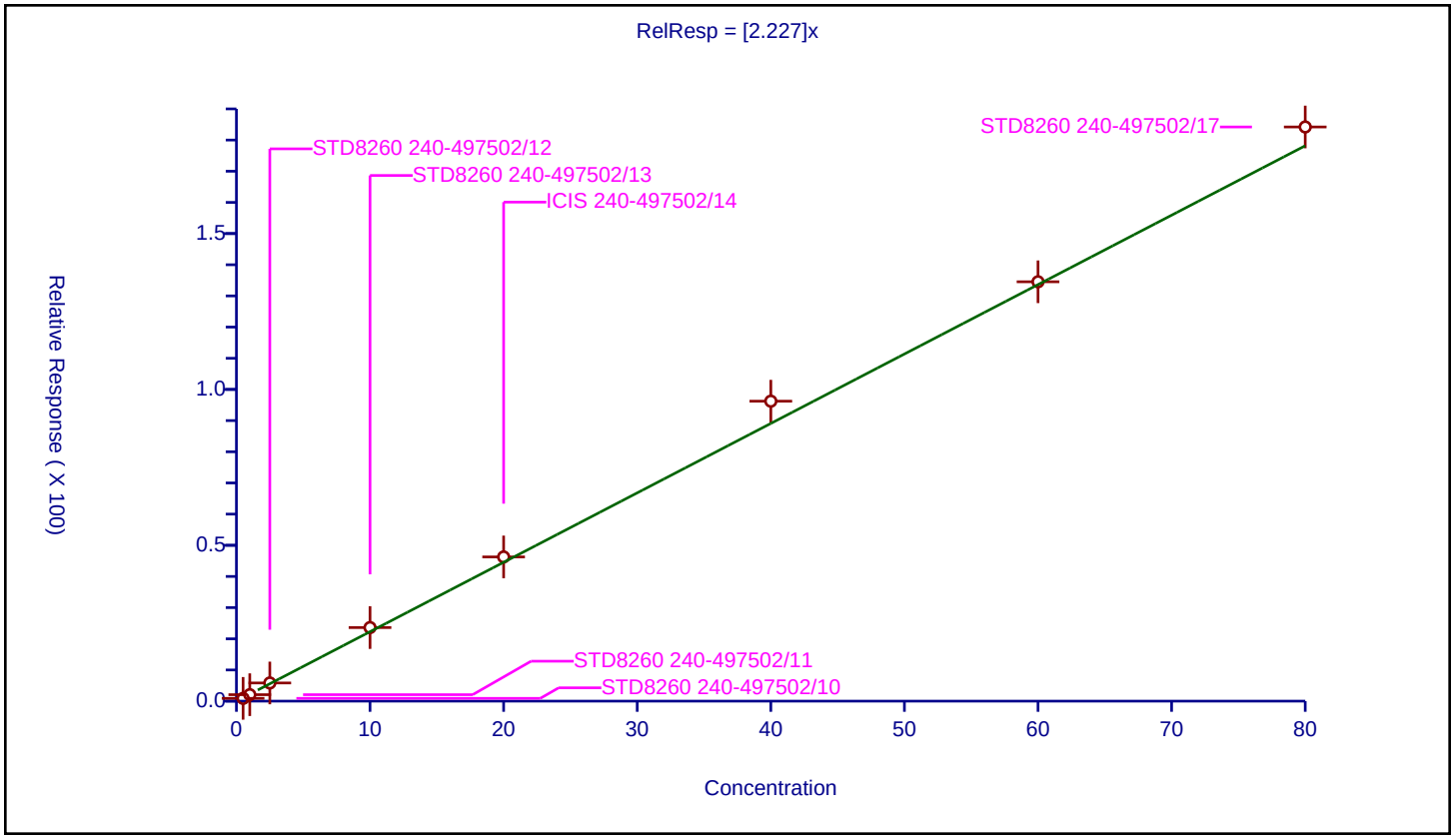
Curve Coefficients

Intercept:	0
Slope:	2.227

Error Coefficients

Standard Error:	1850000
Relative Standard Error:	9.2
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.892463	20.0	288124.0	1.784926	Y
2	STD8260 240-497502/11	1.0	2.074803	20.0	265818.0	2.074803	Y
3	STD8260 240-497502/12	2.5	5.834897	20.0	260008.0	2.333959	Y
4	STD8260 240-497502/13	10.0	23.600037	20.0	268025.0	2.360004	Y
5	ICIS 240-497502/14	20.0	46.260714	20.0	297851.0	2.313036	Y
6	STD8260 240-497502/15	40.0	96.23039	20.0	308451.0	2.40576	Y
7	STD8260 240-497502/16	60.0	134.534714	20.0	393930.0	2.242245	Y
8	STD8260 240-497502/17	80.0	184.198668	20.0	408139.0	2.302483	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

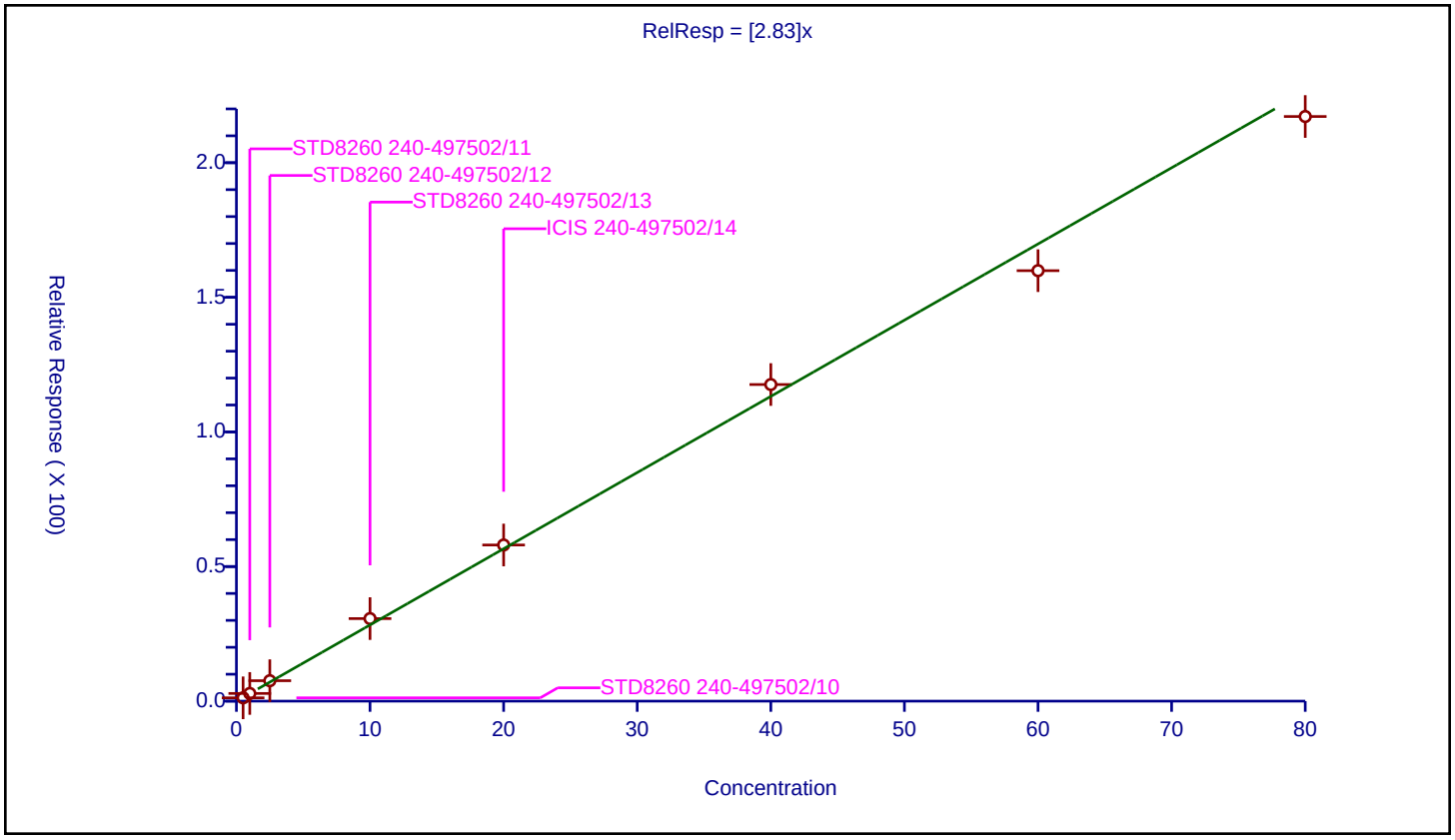
Curve Coefficients

Intercept:	0
Slope:	2.83

Error Coefficients

Standard Error:	2200000
Relative Standard Error:	7.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	1.231553	20.0	288124.0	2.463106	Y
2	STD8260 240-497502/11	1.0	2.857745	20.0	265818.0	2.857745	Y
3	STD8260 240-497502/12	2.5	7.58969	20.0	260008.0	3.035876	Y
4	STD8260 240-497502/13	10.0	30.661692	20.0	268025.0	3.066169	Y
5	ICIS 240-497502/14	20.0	58.001417	20.0	297851.0	2.900071	Y
6	STD8260 240-497502/15	40.0	117.605779	20.0	308451.0	2.940144	Y
7	STD8260 240-497502/16	60.0	159.909019	20.0	393930.0	2.66515	Y
8	STD8260 240-497502/17	80.0	217.169053	20.0	408139.0	2.714613	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

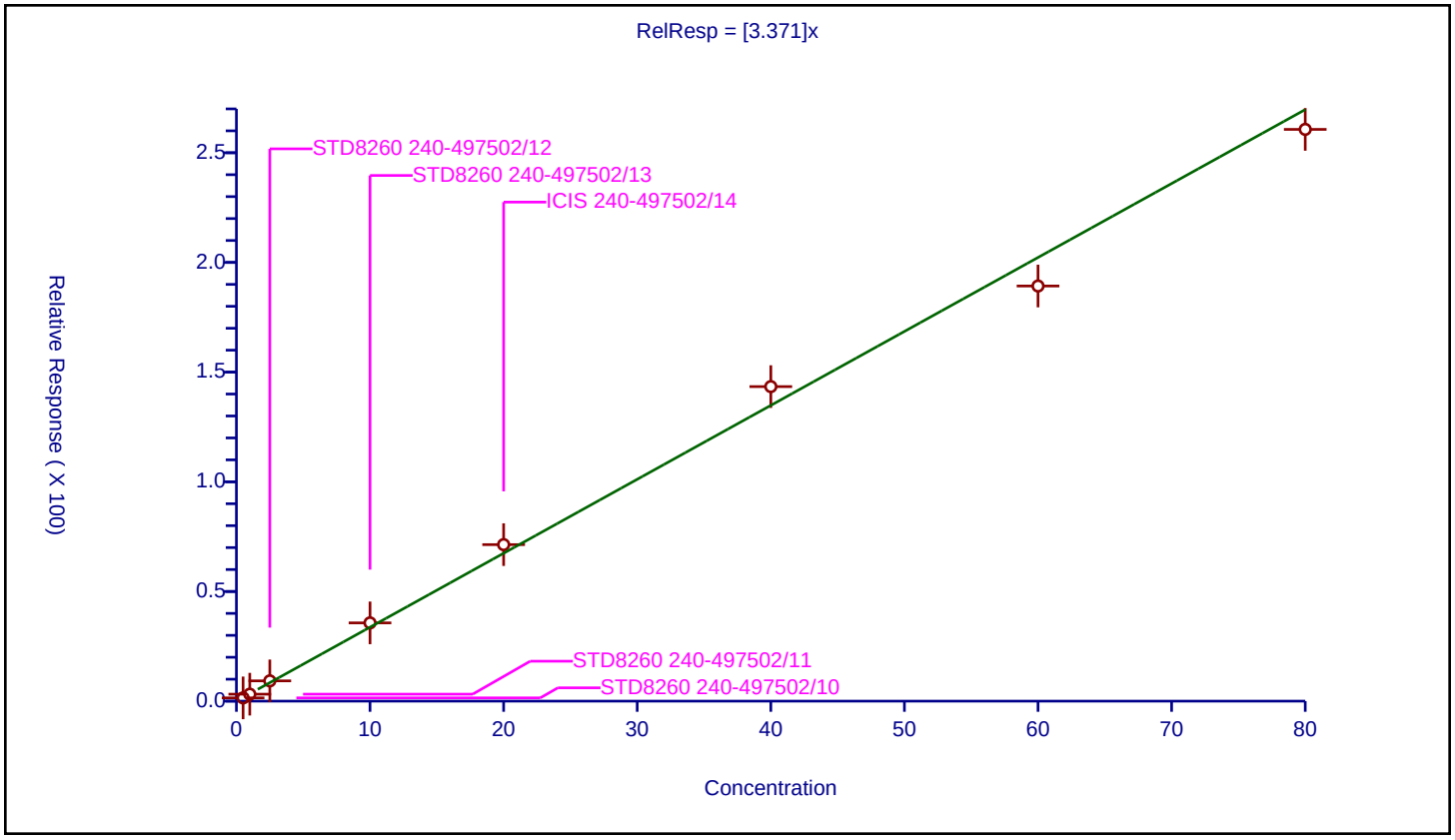
Curve Coefficients

Intercept:	0
Slope:	3.371

Error Coefficients

Standard Error:	2630000
Relative Standard Error:	7.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	1.481445	20.0	288124.0	2.962891	Y
2	STD8260 240-497502/11	1.0	3.170891	20.0	265818.0	3.170891	Y
3	STD8260 240-497502/12	2.5	9.249715	20.0	260008.0	3.699886	Y
4	STD8260 240-497502/13	10.0	35.684806	20.0	268025.0	3.568481	Y
5	ICIS 240-497502/14	20.0	71.358767	20.0	297851.0	3.567938	Y
6	STD8260 240-497502/15	40.0	143.398984	20.0	308451.0	3.584975	Y
7	STD8260 240-497502/16	60.0	189.249308	20.0	393930.0	3.154155	Y
8	STD8260 240-497502/17	80.0	260.656002	20.0	408139.0	3.2582	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

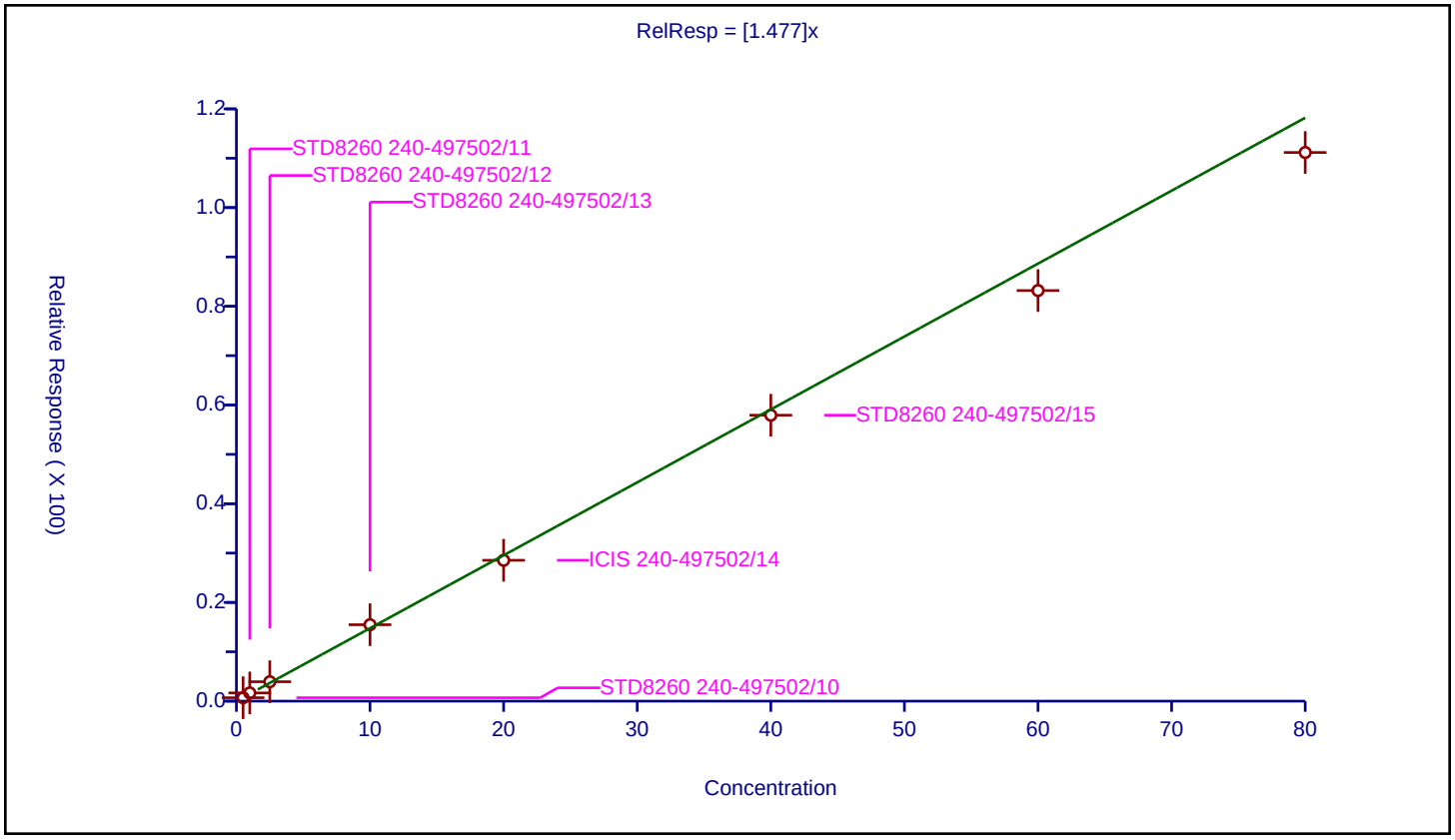
Curve Coefficients

Intercept:	0
Slope:	1.477

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	7.1
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.691994	20.0	288124.0	1.383987	Y
2	STD8260 240-497502/11	1.0	1.66392	20.0	265818.0	1.66392	Y
3	STD8260 240-497502/12	2.5	3.92911	20.0	260008.0	1.571644	Y
4	STD8260 240-497502/13	10.0	15.486242	20.0	268025.0	1.548624	Y
5	ICIS 240-497502/14	20.0	28.540915	20.0	297851.0	1.427046	Y
6	STD8260 240-497502/15	40.0	57.935102	20.0	308451.0	1.448378	Y
7	STD8260 240-497502/16	60.0	83.191176	20.0	393930.0	1.38652	Y
8	STD8260 240-497502/17	80.0	111.165412	20.0	408139.0	1.389568	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

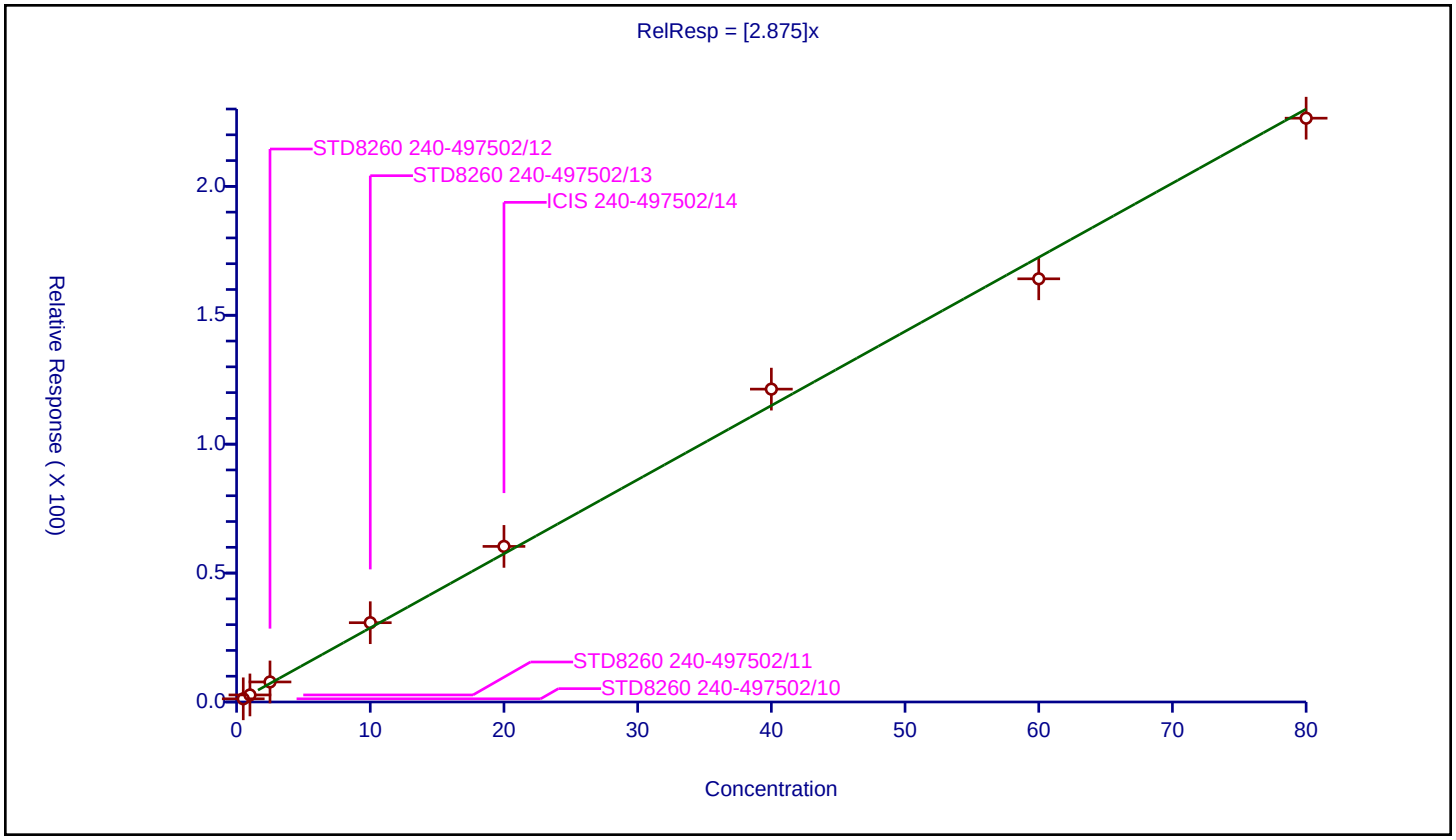
Curve Coefficients

Intercept:	0
Slope:	2.875

Error Coefficients

Standard Error:	2280000
Relative Standard Error:	7.8
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	1.2319	20.0	288124.0	2.4638	Y
2	STD8260 240-497502/11	1.0	2.732697	20.0	265818.0	2.732697	Y
3	STD8260 240-497502/12	2.5	7.769453	20.0	260008.0	3.107781	Y
4	STD8260 240-497502/13	10.0	30.753251	20.0	268025.0	3.075325	Y
5	ICIS 240-497502/14	20.0	60.347556	20.0	297851.0	3.017378	Y
6	STD8260 240-497502/15	40.0	121.358271	20.0	308451.0	3.033957	Y
7	STD8260 240-497502/16	60.0	164.14368	20.0	393930.0	2.735728	Y
8	STD8260 240-497502/17	80.0	226.438101	20.0	408139.0	2.830476	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

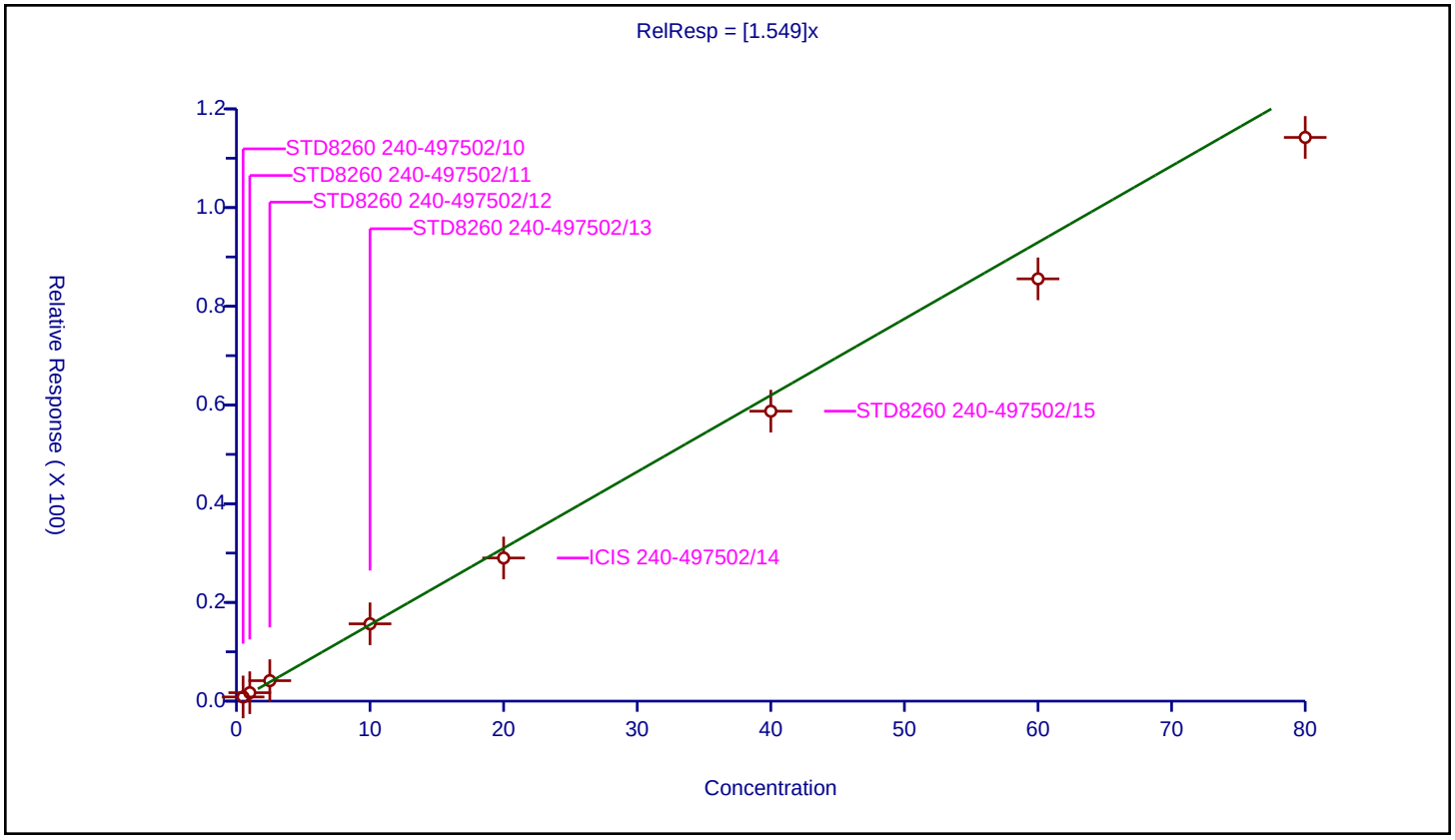
Curve Coefficients

Intercept:	0
Slope:	1.549

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	7.8
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.843387	20.0	288124.0	1.686774	Y
2	STD8260 240-497502/11	1.0	1.706055	20.0	265818.0	1.706055	Y
3	STD8260 240-497502/12	2.5	4.149411	20.0	260008.0	1.659764	Y
4	STD8260 240-497502/13	10.0	15.670926	20.0	268025.0	1.567093	Y
5	ICIS 240-497502/14	20.0	29.005711	20.0	297851.0	1.450286	Y
6	STD8260 240-497502/15	40.0	58.755524	20.0	308451.0	1.468888	Y
7	STD8260 240-497502/16	60.0	85.567233	20.0	393930.0	1.426121	Y
8	STD8260 240-497502/17	80.0	114.222165	20.0	408139.0	1.427777	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

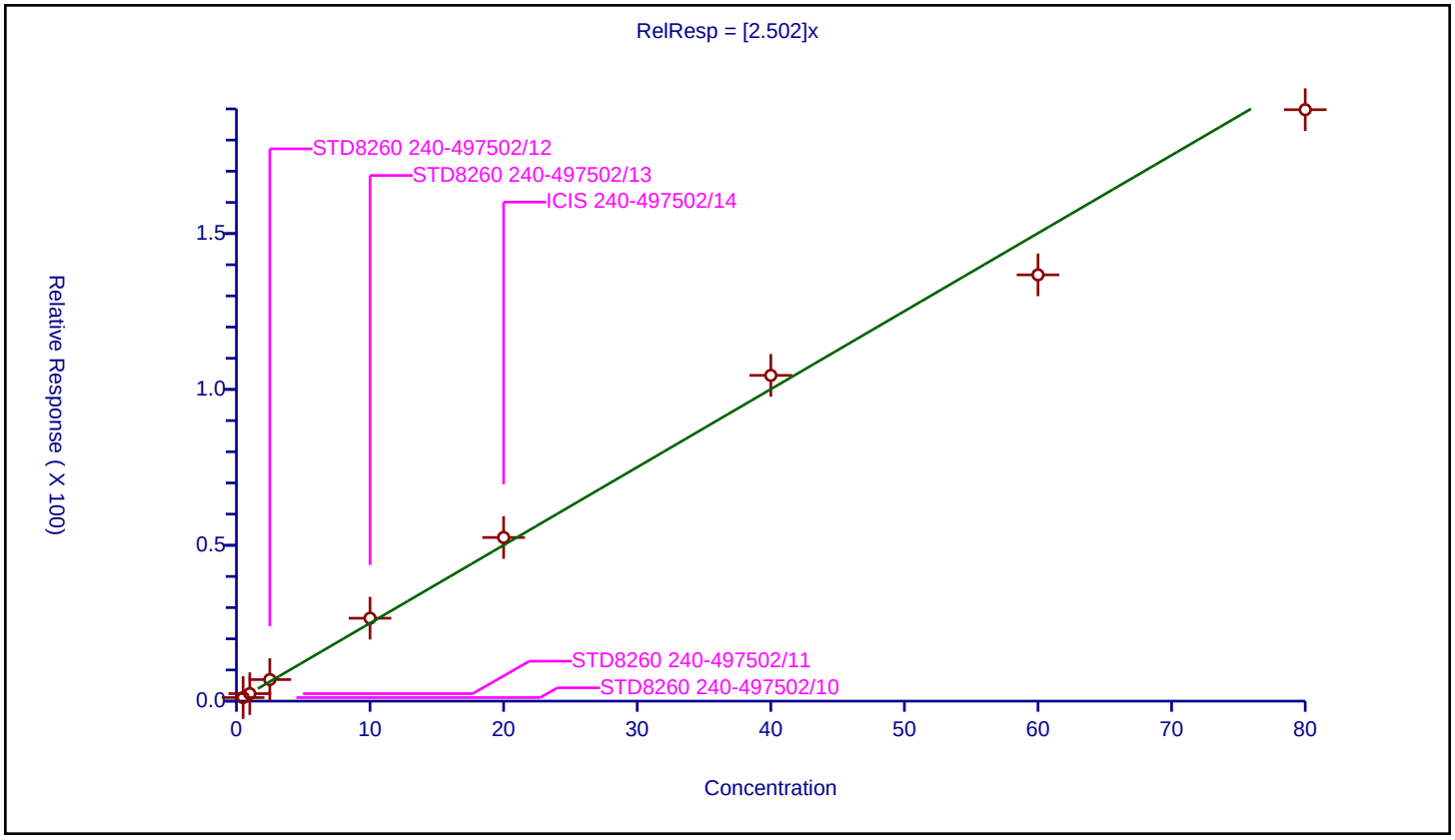
Curve Coefficients

Intercept:	0
Slope:	2.502

Error Coefficients

Standard Error:	1910000
Relative Standard Error:	7.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	1.146034	20.0	288124.0	2.292069	Y
2	STD8260 240-497502/11	1.0	2.407587	20.0	265818.0	2.407587	Y
3	STD8260 240-497502/12	2.5	6.917941	20.0	260008.0	2.767176	Y
4	STD8260 240-497502/13	10.0	26.607369	20.0	268025.0	2.660737	Y
5	ICIS 240-497502/14	20.0	52.500948	20.0	297851.0	2.625047	Y
6	STD8260 240-497502/15	40.0	104.510927	20.0	308451.0	2.612773	Y
7	STD8260 240-497502/16	60.0	136.758815	20.0	393930.0	2.279314	Y
8	STD8260 240-497502/17	80.0	189.741289	20.0	408139.0	2.371766	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

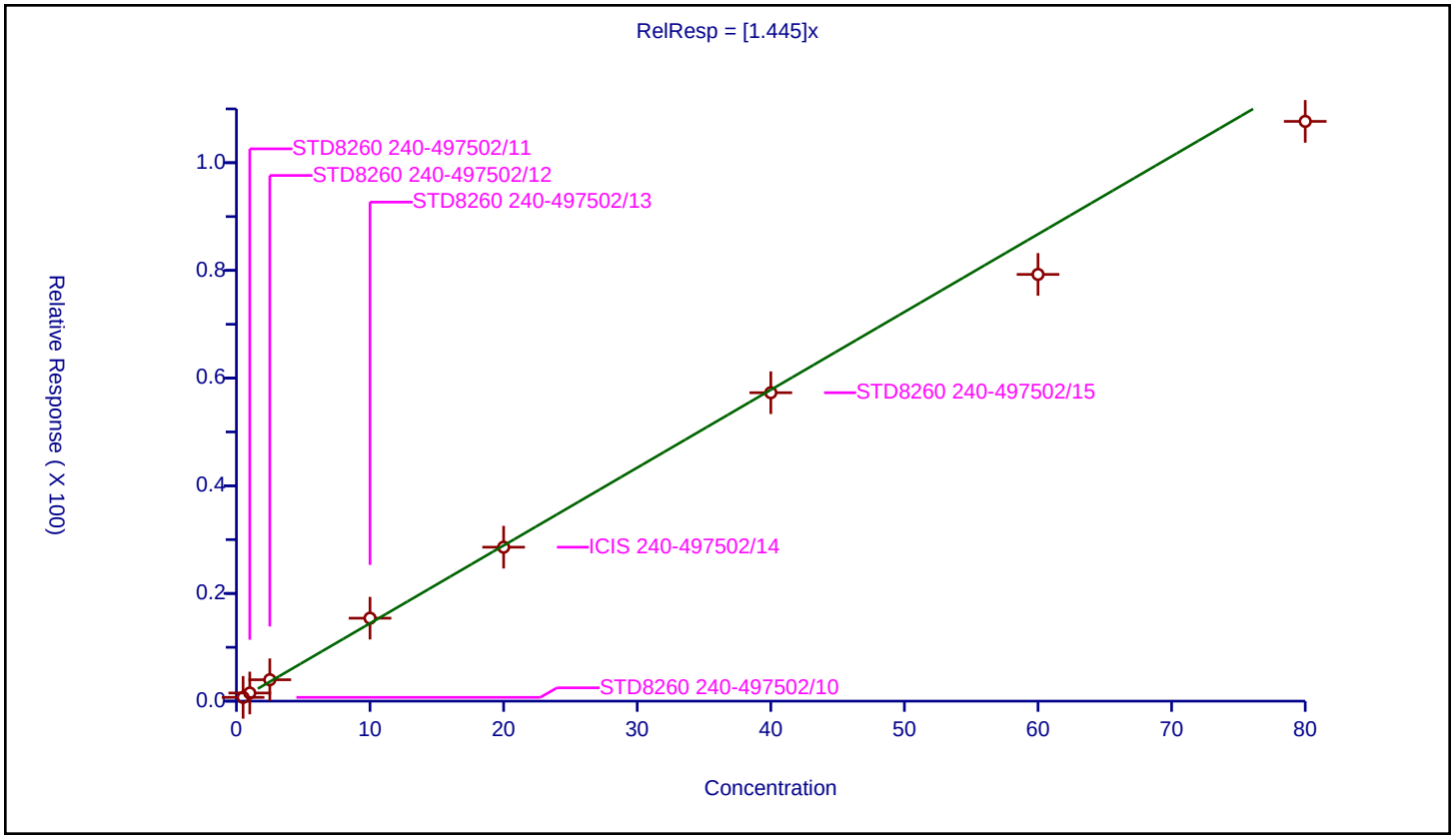
Curve Coefficients

Intercept:	0
Slope:	1.445

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	6.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.697547	20.0	288124.0	1.395094	Y
2	STD8260 240-497502/11	1.0	1.510056	20.0	265818.0	1.510056	Y
3	STD8260 240-497502/12	2.5	3.972339	20.0	260008.0	1.588936	Y
4	STD8260 240-497502/13	10.0	15.408264	20.0	268025.0	1.540826	Y
5	ICIS 240-497502/14	20.0	28.592618	20.0	297851.0	1.429631	Y
6	STD8260 240-497502/15	40.0	57.286571	20.0	308451.0	1.432164	Y
7	STD8260 240-497502/16	60.0	79.255451	20.0	393930.0	1.320924	Y
8	STD8260 240-497502/17	80.0	107.678119	20.0	408139.0	1.345976	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

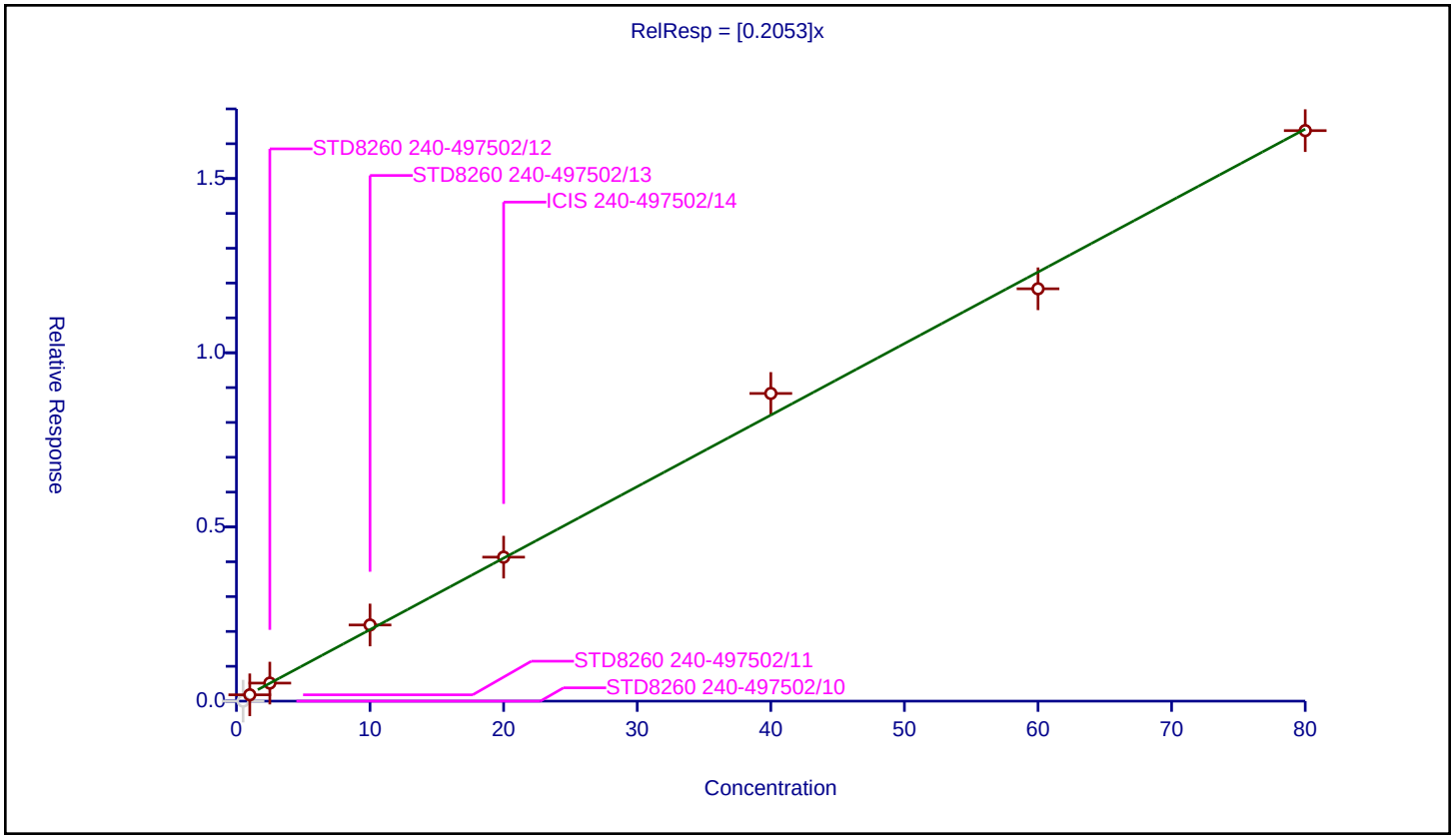
Curve Coefficients

Intercept:	0
Slope:	0.2053

Error Coefficients

Standard Error:	178000
Relative Standard Error:	6.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.0	20.0	288124.0	0.0	N
2	STD8260 240-497502/11	1.0	0.181553	20.0	265818.0	0.181553	Y
3	STD8260 240-497502/12	2.5	0.518215	20.0	260008.0	0.207286	Y
4	STD8260 240-497502/13	10.0	2.186139	20.0	268025.0	0.218614	Y
5	ICIS 240-497502/14	20.0	4.132939	20.0	297851.0	0.206647	Y
6	STD8260 240-497502/15	40.0	8.831873	20.0	308451.0	0.220797	Y
7	STD8260 240-497502/16	60.0	11.836265	20.0	393930.0	0.197271	Y
8	STD8260 240-497502/17	80.0	16.376039	20.0	408139.0	0.2047	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

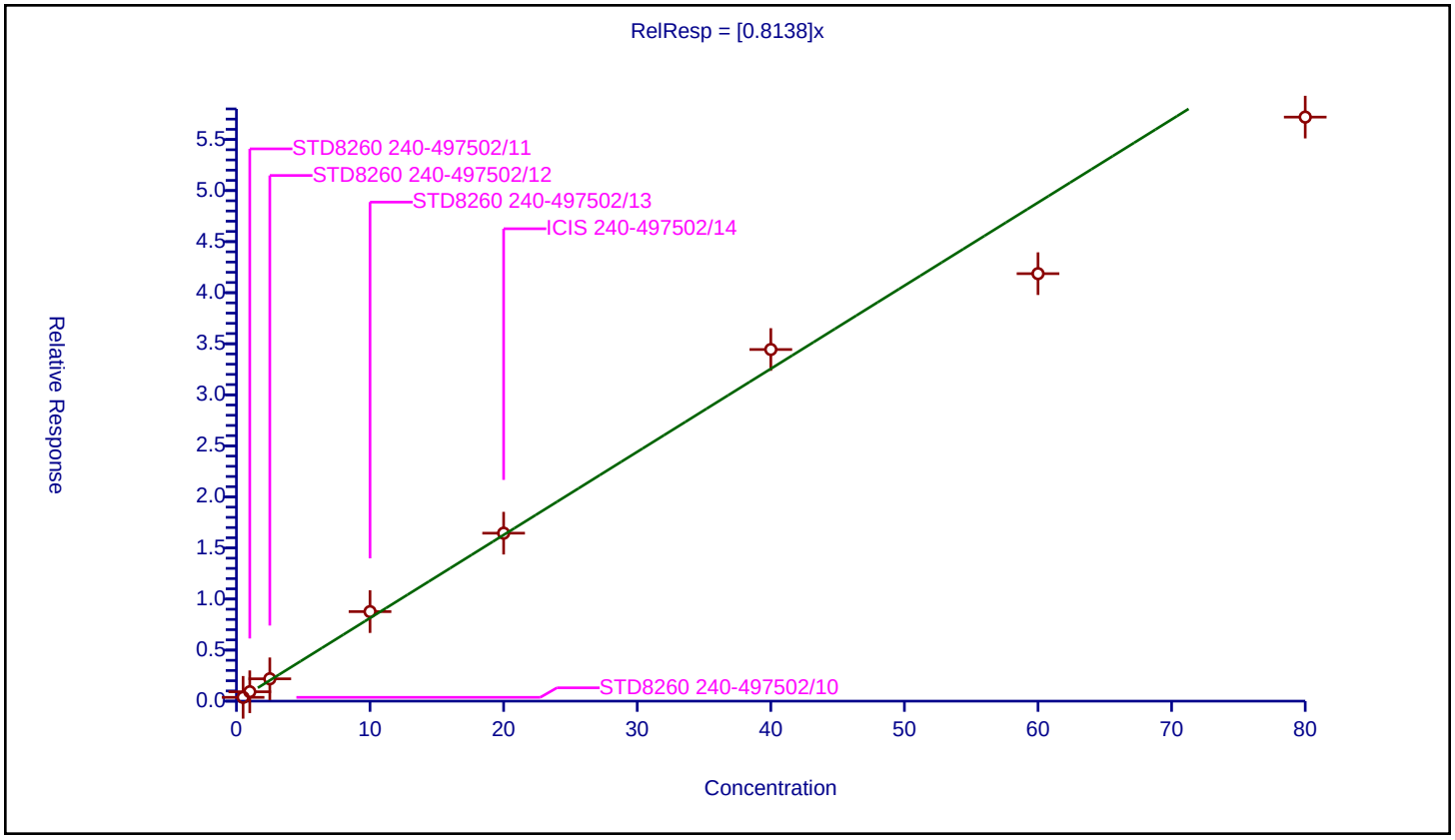
Curve Coefficients

Intercept:	0
Slope:	0.8138

Error Coefficients

Standard Error:	585000
Relative Standard Error:	10.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.371298	20.0	288124.0	0.742597	Y
2	STD8260 240-497502/11	1.0	0.919577	20.0	265818.0	0.919577	Y
3	STD8260 240-497502/12	2.5	2.187625	20.0	260008.0	0.87505	Y
4	STD8260 240-497502/13	10.0	8.76754	20.0	268025.0	0.876754	Y
5	ICIS 240-497502/14	20.0	16.450574	20.0	297851.0	0.822529	Y
6	STD8260 240-497502/15	40.0	34.436523	20.0	308451.0	0.860913	Y
7	STD8260 240-497502/16	60.0	41.865255	20.0	393930.0	0.697754	Y
8	STD8260 240-497502/17	80.0	57.197866	20.0	408139.0	0.714973	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

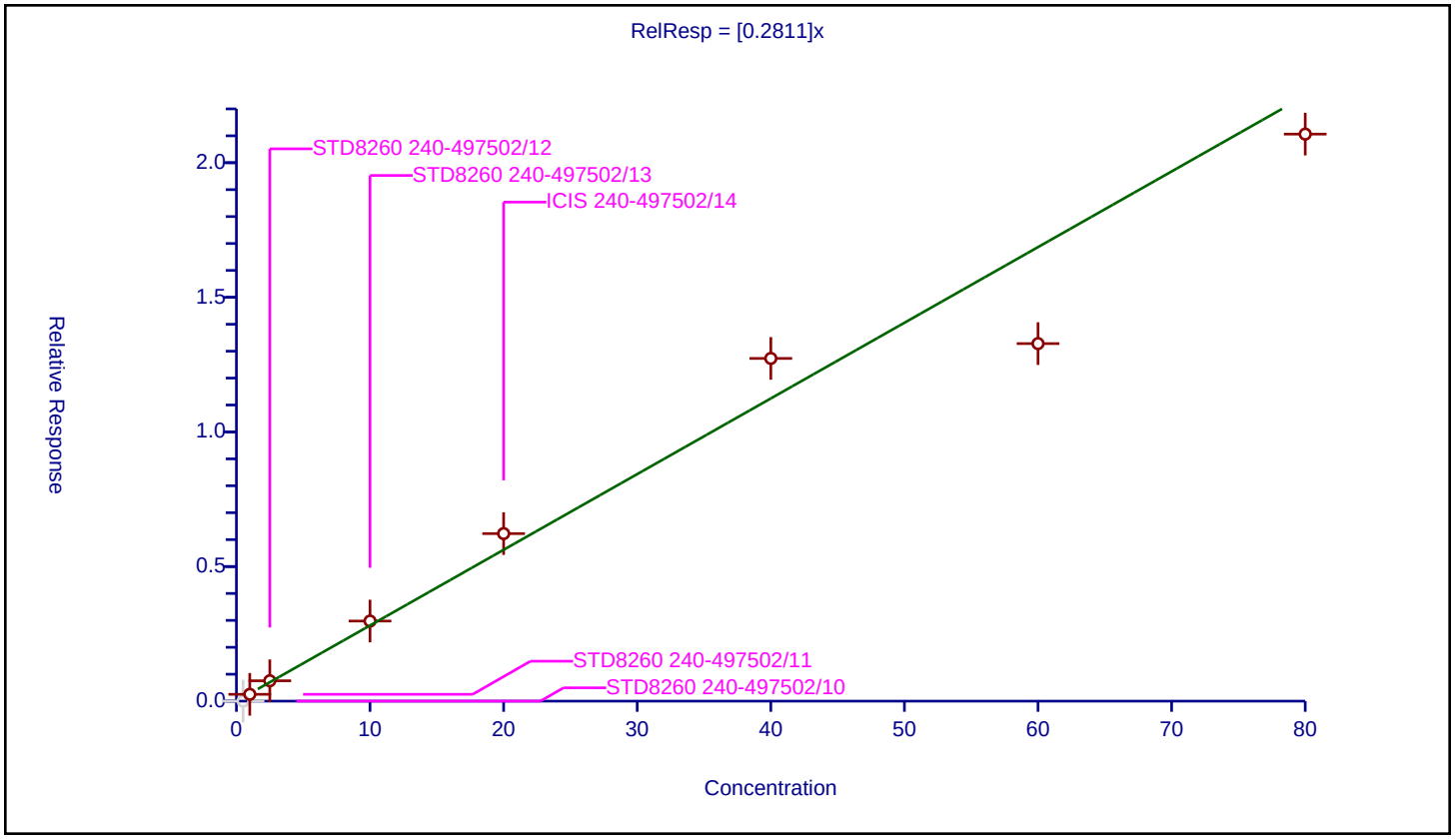
Curve Coefficients

Intercept:	0
Slope:	0.2811

Error Coefficients

Standard Error:	224000
Relative Standard Error:	12.7
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.0	20.0	288124.0	0.0	N
2	STD8260 240-497502/11	1.0	0.253331	20.0	265818.0	0.253331	Y
3	STD8260 240-497502/12	2.5	0.756823	20.0	260008.0	0.302729	Y
4	STD8260 240-497502/13	10.0	2.97517	20.0	268025.0	0.297517	Y
5	ICIS 240-497502/14	20.0	6.223246	20.0	297851.0	0.311162	Y
6	STD8260 240-497502/15	40.0	12.730191	20.0	308451.0	0.318255	Y
7	STD8260 240-497502/16	60.0	13.281243	20.0	393930.0	0.221354	Y
8	STD8260 240-497502/17	80.0	21.062873	20.0	408139.0	0.263286	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

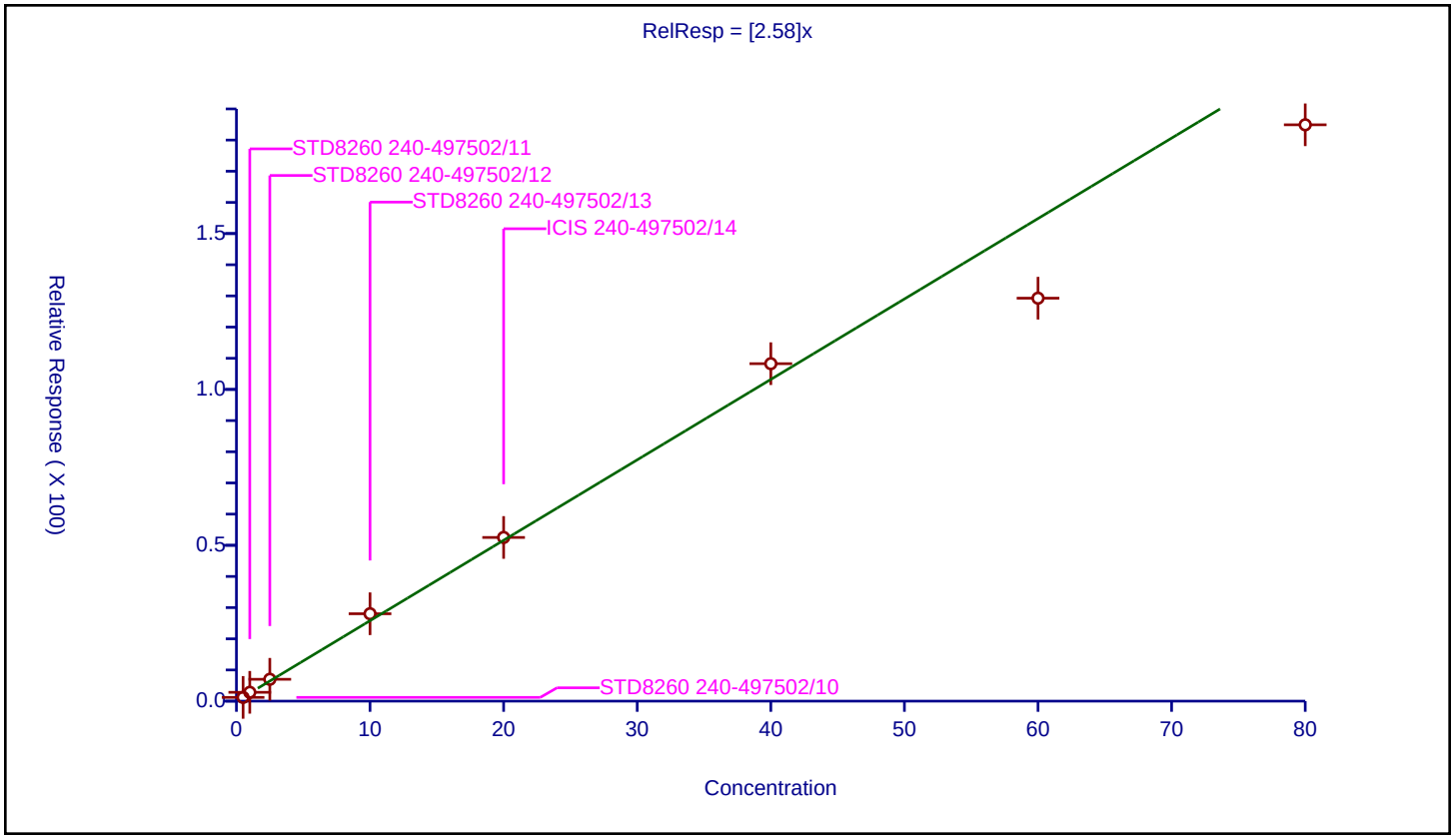
Curve Coefficients

Intercept:	0
Slope:	2.58

Error Coefficients

Standard Error:	1860000
Relative Standard Error:	10.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	1.202607	20.0	288124.0	2.405214	Y
2	STD8260 240-497502/11	1.0	2.831185	20.0	265818.0	2.831185	Y
3	STD8260 240-497502/12	2.5	7.011323	20.0	260008.0	2.804529	Y
4	STD8260 240-497502/13	10.0	28.040593	20.0	268025.0	2.804059	Y
5	ICIS 240-497502/14	20.0	52.509073	20.0	297851.0	2.625454	Y
6	STD8260 240-497502/15	40.0	108.261409	20.0	308451.0	2.706535	Y
7	STD8260 240-497502/16	60.0	129.275607	20.0	393930.0	2.154593	Y
8	STD8260 240-497502/17	80.0	184.901124	20.0	408139.0	2.311264	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

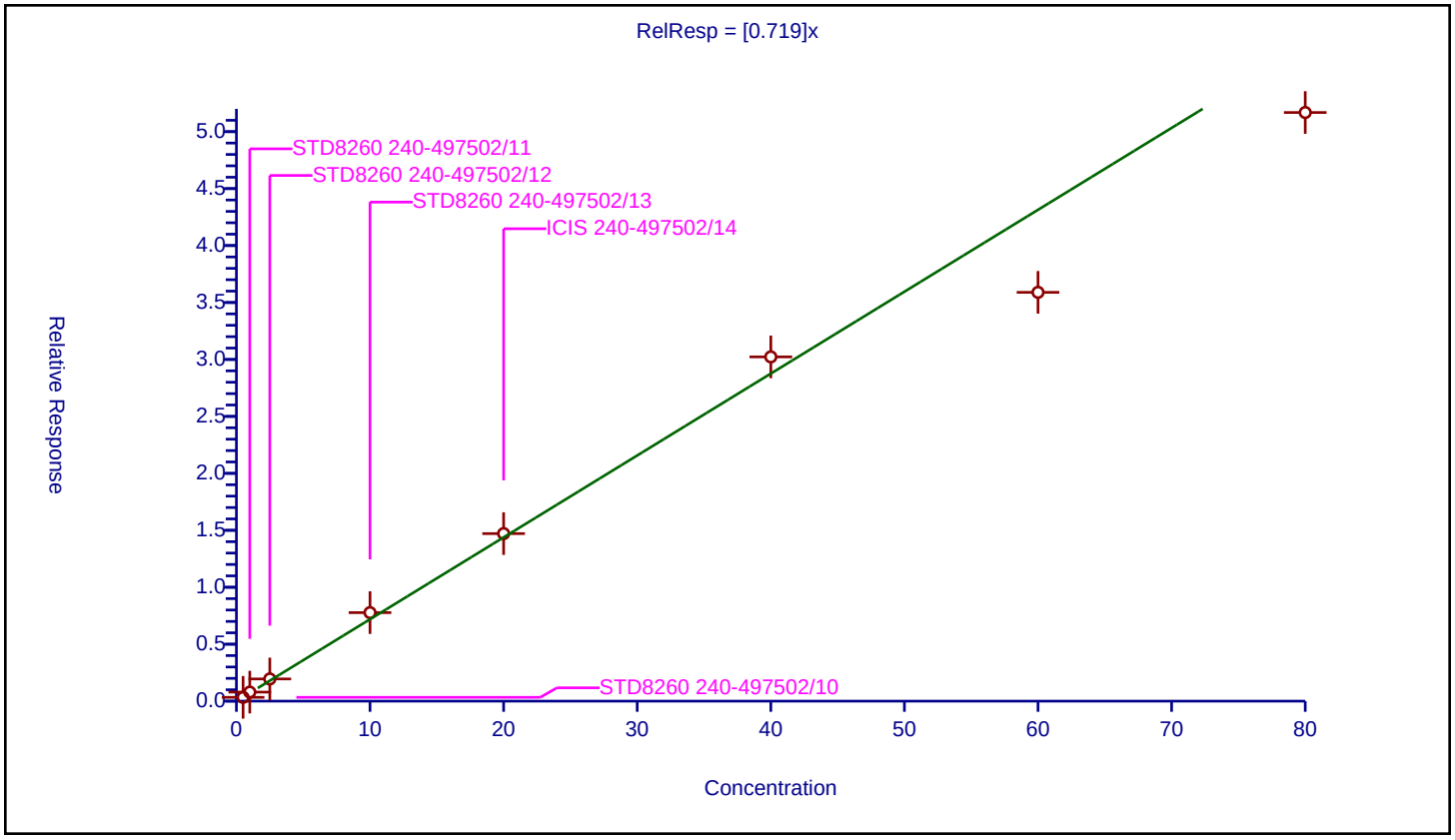
Curve Coefficients

Intercept:	0
Slope:	0.719

Error Coefficients

Standard Error:	519000
Relative Standard Error:	10.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-497502/10	0.5	0.332704	20.0	288124.0	0.665408	Y
2	STD8260 240-497502/11	1.0	0.793851	20.0	265818.0	0.793851	Y
3	STD8260 240-497502/12	2.5	1.94994	20.0	260008.0	0.779976	Y
4	STD8260 240-497502/13	10.0	7.771887	20.0	268025.0	0.777189	Y
5	ICIS 240-497502/14	20.0	14.709905	20.0	297851.0	0.735495	Y
6	STD8260 240-497502/15	40.0	30.226389	20.0	308451.0	0.75566	Y
7	STD8260 240-497502/16	60.0	35.892214	20.0	393930.0	0.598204	Y
8	STD8260 240-497502/17	80.0	51.681412	20.0	408139.0	0.646018	Y



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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 15:46 Calibration End Date: 07/31/2021 17:59 Calibration ID: 62061

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-497502/21	U1287171.D
Level 2	STDA9 240-497502/22	U1287172.D
Level 3	STDA9 240-497502/23	U1287173.D
Level 4	STDA9 240-497502/24	U1287174.D
Level 5	STDA9 240-497502/25	U1287175.D
Level 6	STDA9 240-497502/26	U1287176.D
Level 7	STDA9 240-497502/27	U1287177.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	0.0340 0.0494	0.0442 0.0507	0.0515	0.0486	0.0413	Ave		0.0457				13.9		20.0			
Diisopropyl ether	0.2669 0.2814	0.2660 0.2710	0.2720	0.2914	0.2751	Ave		0.2748				3.3		20.0			
2-Chloro-1,3-butadiene	0.5724 0.6569	0.5586 0.6317	0.6357	0.6771	0.6432	Ave		0.6251				7.0		20.0			
Ethyl-t-butyl ether (ETBE)	1.0191 1.1193	1.0568 1.0542	1.0399	1.1614	1.0856	Ave		1.0766				4.6		20.0			
Ethyl acetate	0.4339 0.3101	0.3624 0.3236	0.3141	0.3735	0.2846	Ave		0.3431				14.7		20.0			
Propionitrile	0.0551 0.0502	0.0550 0.0538	0.0410	0.0512	0.0517	Ave		0.0511				9.5		20.0			
Methacrylonitrile	0.2711 0.2430	0.2464 0.2455	0.2444	0.2511	0.2333	Ave		0.2478				4.7		20.0			
Tert-amyl-methyl ether (TAME)	0.9967 1.1625	0.9666 1.1121	1.0223	1.1002	1.0345	Ave		1.0564				6.6		20.0			
n-Butanol	0.0125 0.0133	0.0133 0.0102	0.0094	0.0147	0.0100	Ave		0.0119				17.0		20.0			
Ethyl acrylate	0.4242 0.3504	0.3610 0.3681	0.3728	0.3914	0.3579	Ave		0.3751				6.7		20.0			
Methyl methacrylate	0.3279 0.2735	0.2719 0.2780	0.2711	0.2947	0.2764	Ave		0.2848				7.2		20.0			
2-Nitropropane	0.1076 0.0957	0.0906 0.1012	0.0744	0.0954	0.0886	Ave		0.0933				11.3		20.0			
n-Butyl acetate	0.9211 0.8884	0.9143 0.8606	0.8600	0.9011	0.8597	Ave		0.8864				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.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 15:46 Calibration End Date: 07/31/2021 17:59 Calibration ID: 62061

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-Chlorohexane	0.6325 0.6147	0.5487 0.5707	0.5894	0.6391	0.6106	Ave		0.6008				5.5		20.0			
Cyclohexanone	0.0180 0.0219	0.0192 0.0208	0.0193	0.0242	0.0178	Ave		0.0202				11.5		20.0			
Pentachloroethane	0.2994 0.3002	0.3213 0.3204	0.3513	0.3310	0.3283	Ave		0.3217				5.6		20.0			
1,2,3-Trimethylbenzene	2.6177 3.1787	2.5712 3.1105	2.9173	3.0752	3.0389	Ave		2.9299				8.3		20.0			
Benzyl chloride	1.6995 2.2581	1.6564 2.2174	1.8714	1.9905	2.0768	Ave		1.9672				12.1		20.0			
1,3,5-Trichlorobenzene	0.8163 1.0643	0.8390 1.0308	0.9341	0.9804	0.9929	Ave		0.9511				9.9		20.0			
2-Methylnaphthalene	0.7828 1.1474	0.7808 +++++	0.8479	1.0061	0.9661	Ave		0.9218				15.7		20.0			
1-Methylnaphthalene	0.6512 0.9816	0.6287 +++++	0.7207	0.8801	0.8162	Ave		0.7797				17.7		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 15:46 Calibration End Date: 07/31/2021 17:59 Calibration ID: 62061

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-497502/21	U1287171.D
Level 2	STDA9 240-497502/22	U1287172.D
Level 3	STDA9 240-497502/23	U1287173.D
Level 4	STDA9 240-497502/24	U1287174.D
Level 5	STDA9 240-497502/25	U1287175.D
Level 6	STDA9 240-497502/26	U1287176.D
Level 7	STDA9 240-497502/27	U1287177.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	Ave	7520 1220404	18469 1839792	208162	377582	666041	5.00 600	10.0 800	100	200	400
Diisopropyl ether	FB	Ave	5909 694895	11119 983967	109906	226327	443901	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	12671 1621773	23353 2293372	256901	525934	1037745	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl-t-butyl ether (ETBE)	FB	Ave	22560 2763432	44181 3827398	420248	902112	1751512	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Ethyl acetate	FB	Ave	19208 1531184	30299 2349456	253837	580158	918328	1.00 120	2.00 160	20.0	40.0	80.0
Propionitrile	FB	Ave	12199 1239830	22974 1952620	165501	397757	833981	5.00 600	10.0 800	100	200	400
Methacrylonitrile	FB	Ave	60002 5999076	103027 8912229	987457	1950197	3763509	5.00 600	10.0 800	100	200	400
Tert-amyl-methyl ether (TAME)	FB	Ave	22064 2870307	40411 4037659	413106	854574	1668988	0.500 60.0	1.00 80.0	10.0	20.0	40.0
n-Butanol	FB	Ave	6932 818874	13884 925074	95036	285238	403043	12.5 1500	25.0 2000	250	500	1000
Ethyl acrylate	FB	Ave	9390 865180	15090 1336366	150648	303982	577471	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Methyl methacrylate	FB	Ave	14515 1350360	22730 2018683	219145	457852	891813	1.00 120	2.00 160	20.0	40.0	80.0
2-Nitropropane	FB	Ave	4763 472453	7572 735108	60113	148159	285904	1.00 120	2.00 160	20.0	40.0	80.0
n-Butyl acetate	CBNZ d5	Ave	13097 1271137	22948 1802440	209978	428197	839216	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.: 240-154716-1 Analy Batch No.: 497502

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/31/2021 15:46 Calibration End Date: 07/31/2021 17:59 Calibration ID: 62061

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-Chlorohexane	CBNZ d5	Ave	8993 879620	13773 1195311	143914	303690	596095	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Cyclohexanone	CBNZ d5	Ave	2557 313405	4817 436552	47156	115200	173334	5.00 600	10.0 800	100	200	400
Pentachloroethane	DCBd 4	Ave	4647 481084	9302 708954	94576	177318	359639	1.00 120	2.00 160	20.0	40.0	80.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	20314 2547228	37217 3441689	392720	823655	1664269	0.500 60.0	1.00 80.0	10.0	20.0	40.0
Benzyl chloride	DCBd 4	Ave	13189 1809487	23975 2453562	251924	533115	1137359	0.500 60.0	1.00 80.0	10.0	20.0	40.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	6335 852877	12144 1140587	125748	262579	543781	0.500 60.0	1.00 80.0	10.0	20.0	40.0
2-Methylnaphthalene	DCBd 4	Ave	12149 1838835	22604 +++++	228278	538955	1058141	1.00 120	2.00 +++++	20.0	40.0	80.0
1-Methylnaphthalene	DCBd 4	Ave	10107 1573121	18199 +++++	194045	471440	893948	1.00 120	2.00 +++++	20.0	40.0	80.0

Curve Type Legend
Ave = Average ISTD

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287171.D
Lims ID: stdA9 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 31-Jul-2021 15:46:30 ALS Bottle#: 14 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-021
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub4

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:06:42 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 31-Jul-2021 16:24:29

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	98	885448	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	568726	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	310413	20.0	20.0	
26 Acetonitrile	41	2.954	2.953	0.001	90	7520	5.00	3.72	
37 Isopropyl ether	87	3.699	3.699	0.000	91	5909	0.5000	0.4856	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	94	12671	0.5000	0.4579	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	97	22560	0.5000	0.4733	
43 Ethyl acetate	43	4.196	4.196	0.000	99	19208	1.00	1.26	
44 Propionitrile	54	4.220	4.208	0.012	71	12199	5.00	5.39	
45 Methacrylonitrile	41	4.326	4.326	0.000	94	60002	5.00	5.47	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	97	22064	0.5000	0.4718	
58 n-Butanol	56	5.356	5.344	0.012	88	6932	12.5	13.1	
60 Ethyl acrylate	55	5.486	5.486	0.000	96	9390	0.5000	0.5654	
63 Methyl methacrylate	41	5.687	5.687	0.000	92	14515	1.00	1.15	
67 2-Nitropropane	41	6.030	6.030	0.000	98	4763	1.00	1.15	
79 n-Butyl acetate	43	7.202	7.201	0.001	96	13097	0.5000	0.5196	
82 1-Chlorohexane	91	7.746	7.746	0.000	34	8993	0.5000	0.5264	
91 Cyclohexanone	55	8.811	8.811	0.000	84	2557	5.00	4.46	
103 Pentachloroethane	167	9.616	9.615	0.001	80	4647	1.00	0.9307	
109 1,2,3-Trimethylbenzene	105	10.053	10.053	0.000	98	20314	0.5000	0.4467	
110 Benzyl chloride	91	10.148	10.148	0.000	96	13189	0.5000	0.4320	
114 1,3,5-Trichlorobenzene	180	11.355	11.355	0.000	92	6335	0.5000	0.4291	
119 2-Methylnaphthalene	142	13.402	13.402	0.000	92	12149	1.00	0.8491	
168 1-Methylnaphthalene	142	13.627	13.627	0.000	90	10107	1.00	0.8352	
169 Isooctane	57		0.000				ND	ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

vm50is_stk_a_00008	Amount Added:	2.00	Units: uL
vmra9w_00400	Amount Added:	0.40	Units: uL

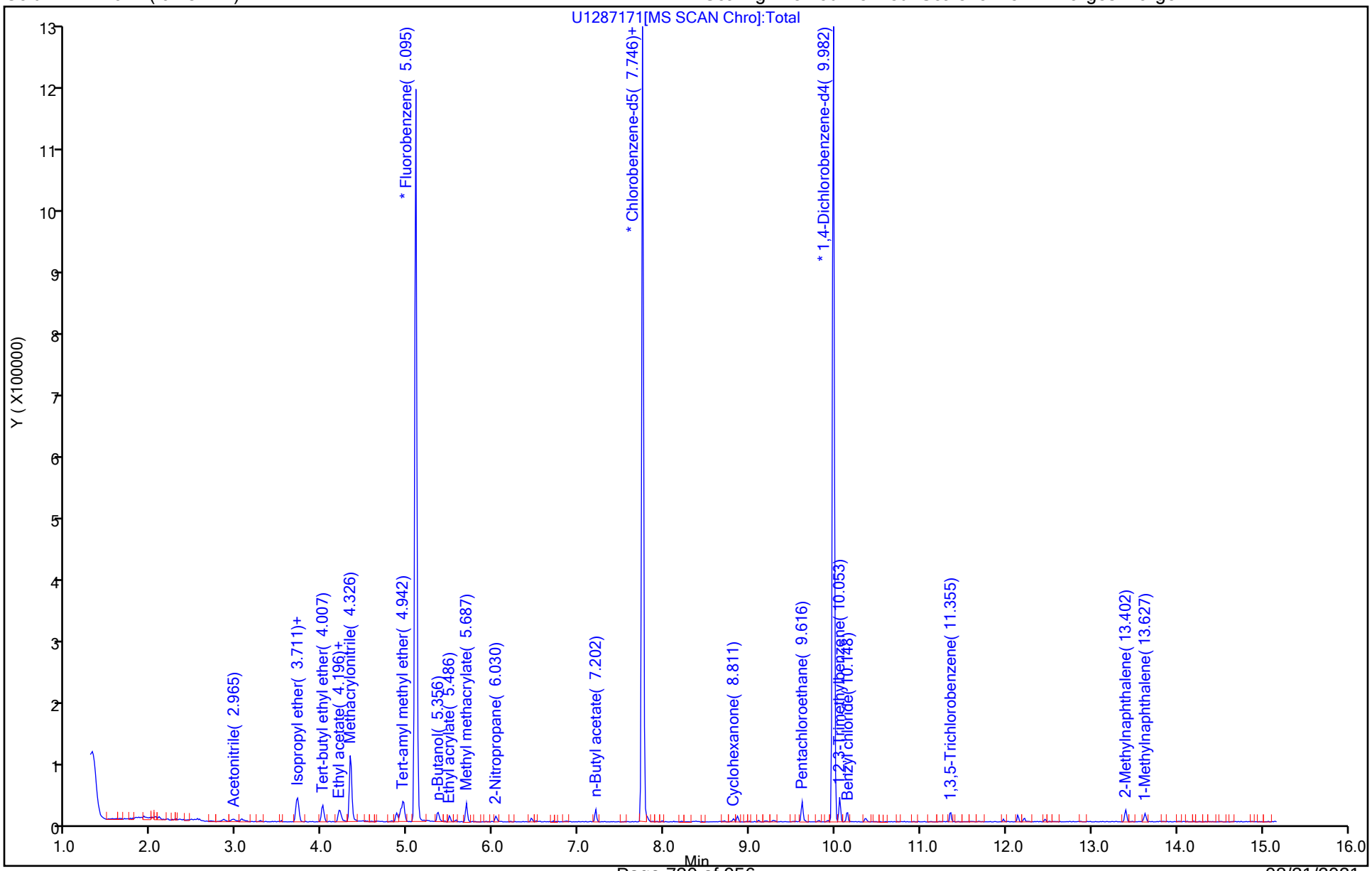
Report Date: 02-Aug-2021 14:06:43 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287171.D

Injection Date:	31-Jul-2021 15:46:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	stdA9 L1			Worklist Smp#:	21
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



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

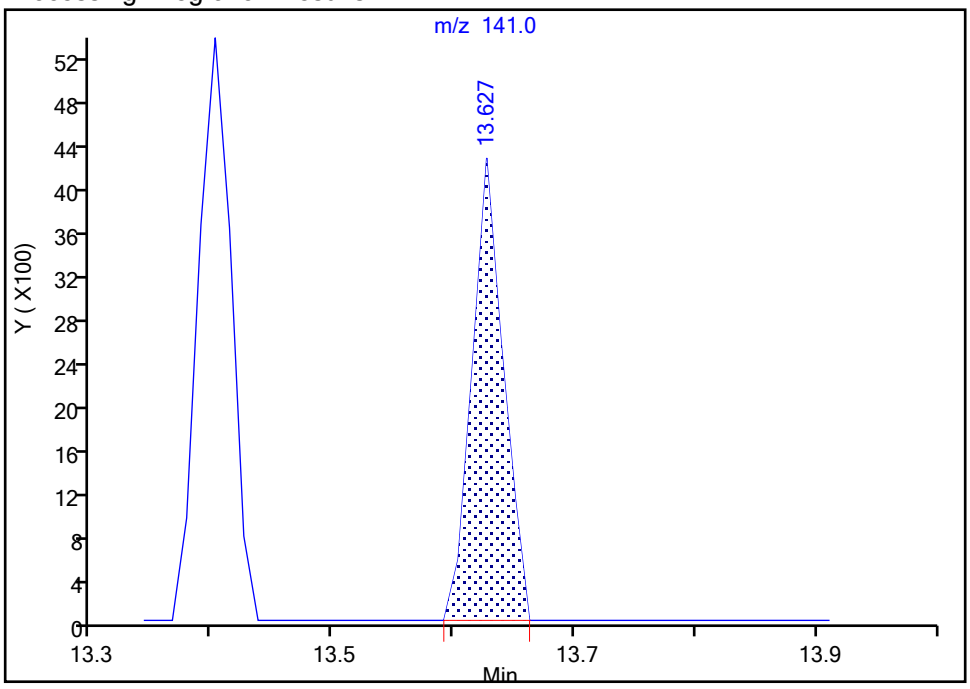
Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287171.D
Injection Date: 31-Jul-2021 15:46:30 Instrument ID: A3UX12
Lims ID: stdA9 L1
Client ID:
Operator ID: 001904 ALS Bottle#: 14 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

168 1-Methylnaphthalene, CAS: 90-12-0

Signal: 2

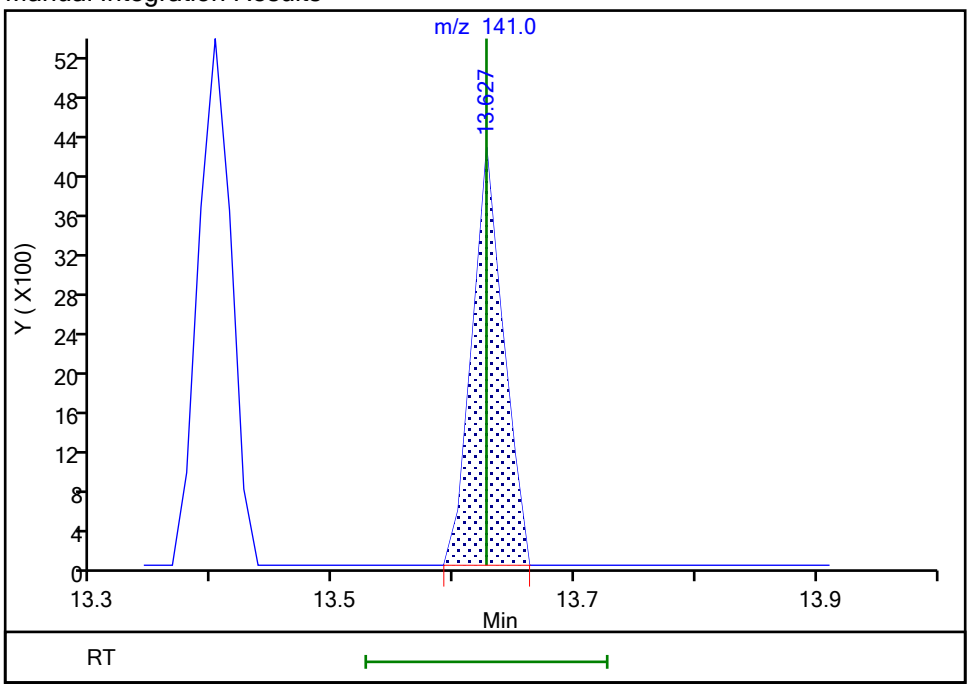
Processing Integration Results

RT: 13.63
Area: 7728
Amount: 0.785746
Amount Units: ug/l



Manual Integration Results

RT: 13.63
Area: 7728
Amount: 0.835151
Amount Units: ug/l



Reviewer: laveyt, 02-Aug-2021 13:56:22
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287172.D
Lims ID: stdA9 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 31-Jul-2021 16:08:30 ALS Bottle#: 15 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-022
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub4

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:06:45 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 31-Jul-2021 16:29:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	836107	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	502003	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	289489	20.0	20.0	
26 Acetonitrile	41	2.953	2.953	0.000	96	18469	10.0	9.67	
37 Isopropyl ether	87	3.699	3.699	0.000	93	11119	1.00	0.9677	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	95	23353	1.00	0.8937	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	98	44181	1.00	0.9816	
43 Ethyl acetate	43	4.196	4.196	0.000	100	30299	2.00	2.11	
44 Propionitrile	54	4.208	4.208	0.000	98	22974	10.0	10.7	
45 Methacrylonitrile	41	4.326	4.326	0.000	95	103027	10.0	9.95	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	97	40411	1.00	0.9150	
58 n-Butanol	56	5.344	5.344	0.000	91	13884	25.0	27.9	
60 Ethyl acrylate	55	5.486	5.486	0.000	97	15090	1.00	0.9623	
63 Methyl methacrylate	41	5.687	5.687	0.000	92	22730	2.00	1.91	
67 2-Nitropropane	41	6.030	6.030	0.000	94	7572	2.00	1.94	
79 n-Butyl acetate	43	7.201	7.201	0.000	98	22948	1.00	1.03	
82 1-Chlorohexane	91	7.746	7.746	0.000	35	13773	1.00	0.9133	
91 Cyclohexanone	55	8.811	8.811	0.000	93	4817	10.0	9.51	
103 Pentachloroethane	167	9.615	9.615	0.000	81	9302	2.00	2.00	
109 1,2,3-Trimethylbenzene	105	10.053	10.053	0.000	98	37217	1.00	0.8776	
110 Benzyl chloride	91	10.136	10.148	-0.012	98	23975	1.00	0.8420	
114 1,3,5-Trichlorobenzene	180	11.355	11.355	0.000	94	12144	1.00	0.8821	
119 2-Methylnaphthalene	142	13.402	13.402	0.000	91	22604	2.00	1.69	
168 1-Methylnaphthalene	142	13.627	13.627	0.000	92	18199	2.00	1.61	
169 Isooctane	57		0.000				ND	ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

vm50is_stk_a_00008	Amount Added:	2.00	Units: uL
vmra9w_00400	Amount Added:	0.80	Units: uL

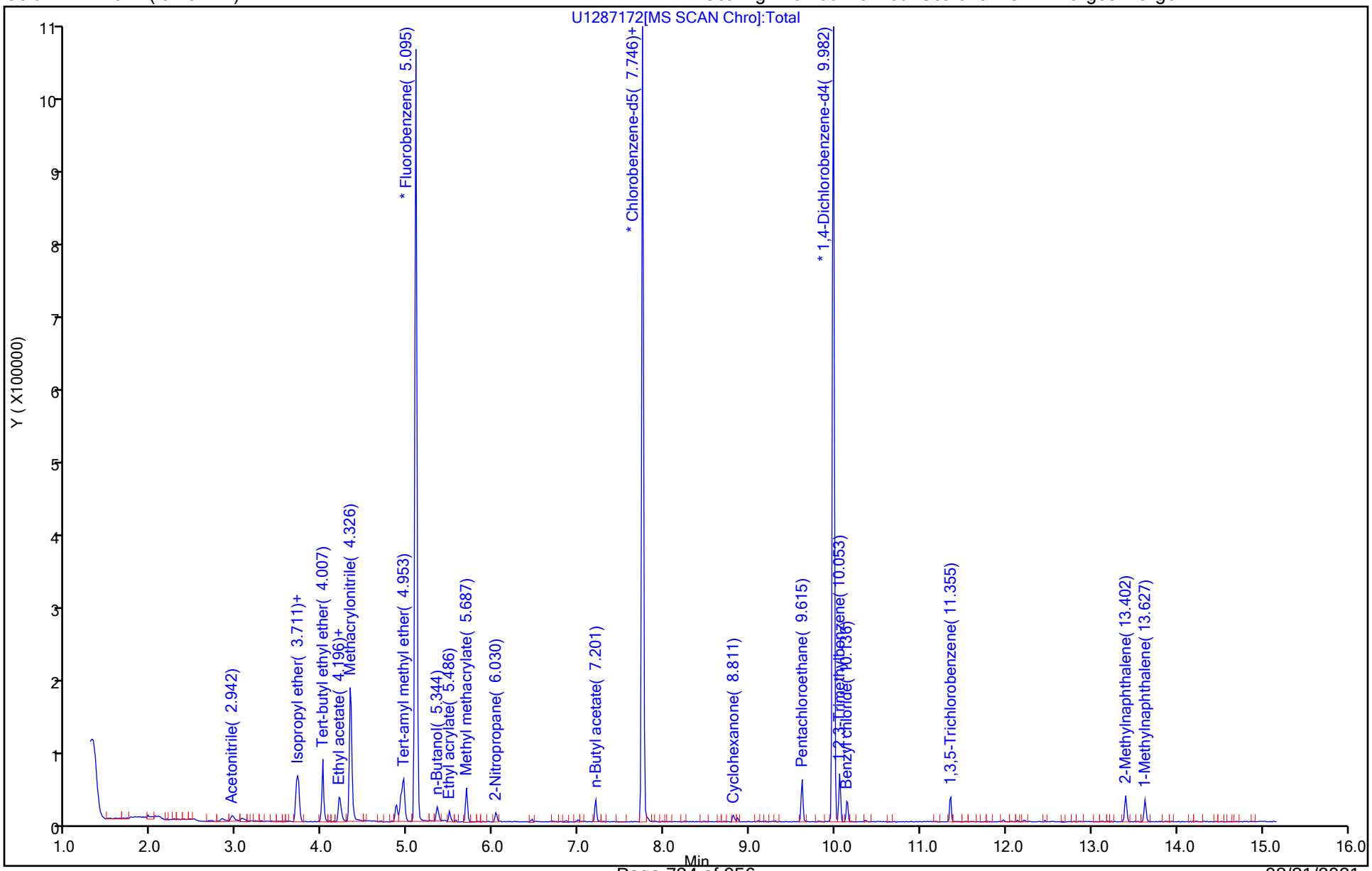
Report Date: 02-Aug-2021 14:06:46 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287172.D

Injection Date:	31-Jul-2021 16:08:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	stdA9 L2			Worklist Smp#:	22
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: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287173.D
Lims ID: stdA9 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 31-Jul-2021 16:30:30 ALS Bottle#: 16 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-023
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub4

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:06:47 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 31-Jul-2021 16:54:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	808216	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	488346	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	269233	20.0	20.0	
26 Acetonitrile	41	2.942	2.953	-0.011	100	208162	100.0	112.8	
37 Isopropyl ether	87	3.699	3.699	0.000	94	109906	10.0	9.90	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	95	256901	10.0	10.2	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	97	420248	10.0	9.66	
43 Ethyl acetate	43	4.196	4.196	0.000	100	253837	20.0	18.3	
44 Propionitrile	54	4.208	4.208	0.000	98	165501	100.0	80.1	
45 Methacrylonitrile	41	4.326	4.326	0.000	96	987457	100.0	98.6	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	97	413106	10.0	9.68	
58 n-Butanol	56	5.344	5.344	0.000	88	95036	250.0	197.5	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	150648	10.0	9.94	
63 Methyl methacrylate	41	5.687	5.687	0.000	91	219145	20.0	19.0	
67 2-Nitropropane	41	6.030	6.030	0.000	100	60113	20.0	15.9	
79 n-Butyl acetate	43	7.201	7.201	0.000	99	209978	10.0	9.70	
82 1-Chlorohexane	91	7.746	7.746	0.000	58	143914	10.0	9.81	
91 Cyclohexanone	55	8.811	8.811	0.000	95	47156	100.0	95.7	
103 Pentachloroethane	167	9.615	9.615	0.000	88	94576	20.0	21.8	
109 1,2,3-Trimethylbenzene	105	10.053	10.053	0.000	99	392720	10.0	9.96	
110 Benzyl chloride	91	10.148	10.148	0.000	99	251924	10.0	9.51	
114 1,3,5-Trichlorobenzene	180	11.355	11.355	0.000	96	125748	10.0	9.82	
119 2-Methylnaphthalene	142	13.402	13.402	0.000	93	228278	20.0	18.4	
168 1-Methylnaphthalene	142	13.627	13.627	0.000	94	194045	20.0	18.5	
169 Isooctane	57		0.000				ND	ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

vm50is_stk_a_00008	Amount Added:	2.00	Units: uL
vmra9w_00400	Amount Added:	8.00	Units: uL

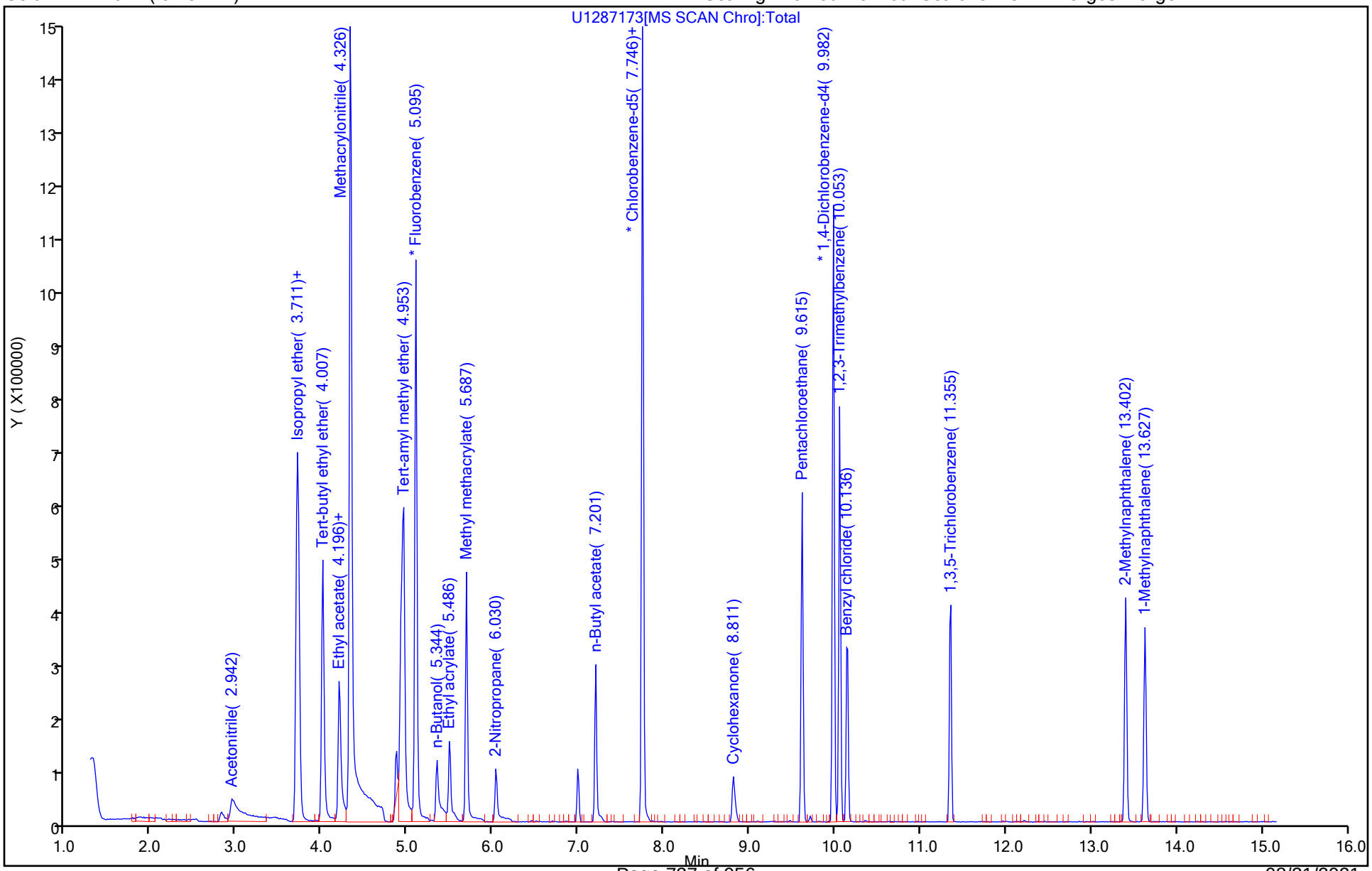
Report Date: 02-Aug-2021 14:06:49 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287173.D

Injection Date:	31-Jul-2021 16:30:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	stdA9 L3			Worklist Smp#:	23
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: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287174.D
Lims ID: stdA9 L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 31-Jul-2021 16:52:30 ALS Bottle#: 17 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-024
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub4

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:06:50 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 31-Jul-2021 17:12:23

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	98	776751	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	475200	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	98	267835	20.0	20.0	
26 Acetonitrile	41	2.953	2.953	0.000	99	377582	200.0	212.9	
37 Isopropyl ether	87	3.699	3.699	0.000	94	226327	20.0	21.2	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	95	525934	20.0	21.7	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	97	902112	20.0	21.6	
43 Ethyl acetate	43	4.196	4.196	0.000	100	580158	40.0	43.5	
44 Propionitrile	54	4.208	4.208	0.000	98	397757	200.0	200.3	
45 Methacrylonitrile	41	4.326	4.326	0.000	96	1950197	200.0	202.6	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	97	854574	20.0	20.8	
58 n-Butanol	56	5.344	5.344	0.000	90	285238	500.0	616.8	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	303982	20.0	20.9	
63 Methyl methacrylate	41	5.687	5.687	0.000	92	457852	40.0	41.4	
67 2-Nitropropane	41	6.030	6.030	0.000	99	148159	40.0	40.9	
79 n-Butyl acetate	43	7.201	7.201	0.000	98	428197	20.0	20.3	
82 1-Chlorohexane	91	7.746	7.746	0.000	86	303690	20.0	21.3	
91 Cyclohexanone	55	8.811	8.811	0.000	95	115200	200.0	240.3	
103 Pentachloroethane	167	9.615	9.615	0.000	89	177318	40.0	41.2	
109 1,2,3-Trimethylbenzene	105	10.053	10.053	0.000	99	823655	20.0	21.0	
110 Benzyl chloride	91	10.148	10.148	0.000	99	533115	20.0	20.2	
114 1,3,5-Trichlorobenzene	180	11.355	11.355	0.000	95	262579	20.0	20.6	
119 2-Methylnaphthalene	142	13.402	13.402	0.000	93	538955	40.0	43.7	
168 1-Methylnaphthalene	142	13.627	13.627	0.000	94	471440	40.0	45.1	
169 Isooctane	57		0.000				ND	ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

vm50is_stk_a_00008	Amount Added:	2.00	Units: uL
vmra9w_00400	Amount Added:	16.00	Units: uL

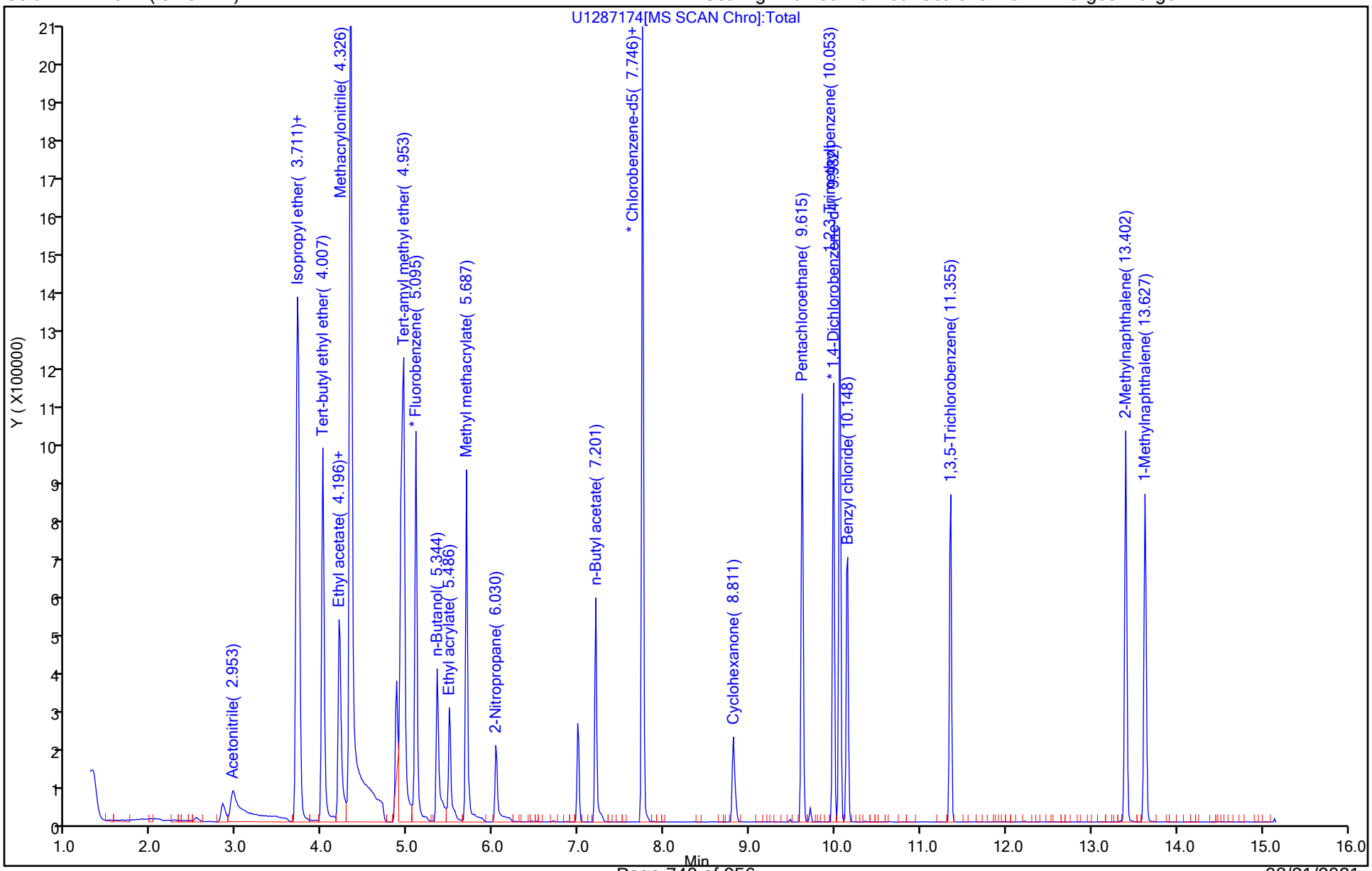
Report Date: 02-Aug-2021 14:06:52 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287174.D

Injection Date:	31-Jul-2021 16:52:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	stdA9 L4			Worklist Smp#:	24
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: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287175.D
Lims ID: stdA9 L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 31-Jul-2021 17:14:30 ALS Bottle#: 18 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-025
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub4

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:06:53 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 02-Aug-2021 13:46:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	806702	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	74	488084	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	98	273824	20.0	20.0	
26 Acetonitrile	41	2.942	2.953	-0.011	99	666041	400.0	361.6	
37 Isopropyl ether	87	3.699	3.699	0.000	94	443901	40.0	40.0	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	95	1037745	40.0	41.2	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	98	1751512	40.0	40.3	
43 Ethyl acetate	43	4.196	4.196	0.000	100	918328	80.0	66.3	
44 Propionitrile	54	4.208	4.208	0.000	98	833981	400.0	404.4	
45 Methacrylonitrile	41	4.326	4.326	0.000	96	3763509	400.0	376.5	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	98	1668988	40.0	39.2	
58 n-Butanol	56	5.344	5.344	0.000	90	403043	1000.0	839.1	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	577471	40.0	38.2	
63 Methyl methacrylate	41	5.687	5.687	0.000	92	891813	80.0	77.6	
67 2-Nitropropane	41	6.030	6.030	0.000	100	285904	80.0	75.9	
79 n-Butyl acetate	43	7.201	7.201	0.000	99	839216	40.0	38.8	
82 1-Chlorohexane	91	7.746	7.746	0.000	95	596095	40.0	40.7	
91 Cyclohexanone	55	8.811	8.811	0.000	95	173334	400.0	352.0	
103 Pentachloroethane	167	9.615	9.615	0.000	91	359639	80.0	81.7	
109 1,2,3-Trimethylbenzene	105	10.053	10.053	0.000	99	1664269	40.0	41.5	
110 Benzyl chloride	91	10.148	10.148	0.000	99	1137359	40.0	42.2	
114 1,3,5-Trichlorobenzene	180	11.355	11.355	0.000	95	543781	40.0	41.8	
119 2-Methylnaphthalene	142	13.402	13.402	0.000	93	1058141	80.0	83.8	
168 1-Methylnaphthalene	142	13.627	13.627	0.000	93	893948	80.0	83.7	
169 Isooctane	57		0.000				ND	ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

vm50is_stk_a_00008	Amount Added:	2.00	Units: uL
vmra9w_00400	Amount Added:	32.00	Units: uL

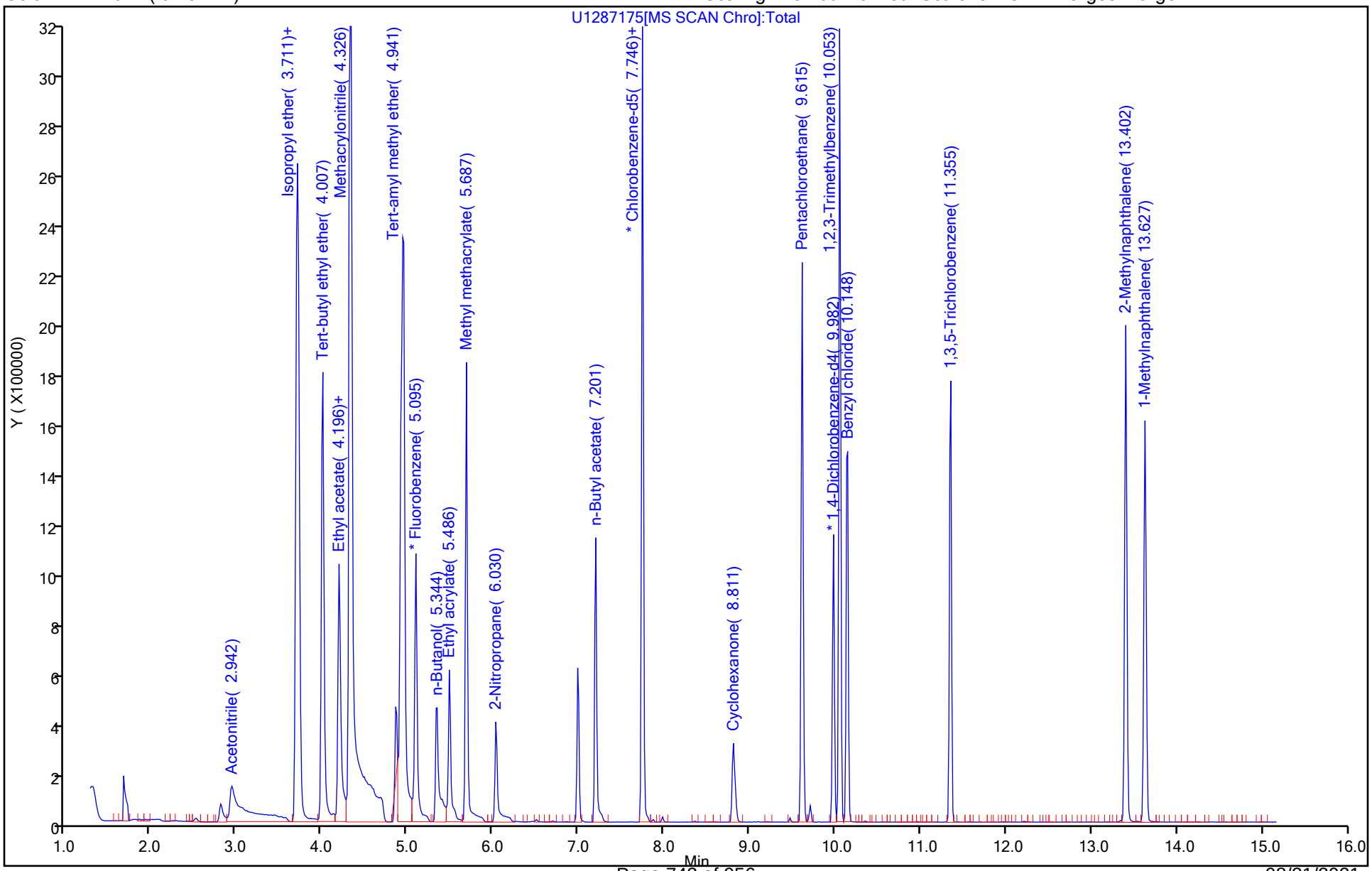
Report Date: 02-Aug-2021 14:06:55 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287175.D

Injection Date:	31-Jul-2021 17:14:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	stdA9 L5			Worklist Smp#:	25
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



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287176.D
Lims ID: stdA9 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 31-Jul-2021 17:37:30 ALS Bottle#: 19 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-026
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub4

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:06:56 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 02-Aug-2021 13:47:12

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	98	822995	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	62	476959	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	267113	20.0	20.0	
26 Acetonitrile	41	2.942	2.953	-0.011	100	1220404	600.0	649.5	
37 Isopropyl ether	87	3.699	3.699	0.000	93	694895	60.0	61.4	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	95	1621773	60.0	63.0	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	98	2763432	60.0	62.4	
43 Ethyl acetate	43	4.196	4.196	0.000	100	1531184	120.0	108.4	
44 Propionitrile	54	4.208	4.208	0.000	98	1239830	600.0	589.3	
45 Methacrylonitrile	41	4.326	4.326	0.000	95	5999076	600.0	588.3	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	98	2870307	60.0	66.0	
58 n-Butanol	56	5.344	5.344	0.000	89	818874	1500.0	1671.1	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	865180	60.0	56.1	
63 Methyl methacrylate	41	5.687	5.687	0.000	92	1350360	120.0	115.2	
67 2-Nitropropane	41	6.030	6.030	0.000	100	472453	120.0	123.0	
79 n-Butyl acetate	43	7.202	7.201	0.001	99	1271137	60.0	60.1	
82 1-Chlorohexane	91	7.746	7.746	0.000	96	879620	60.0	61.4	
91 Cyclohexanone	55	8.811	8.811	0.000	95	313405	600.0	651.3	
103 Pentachloroethane	167	9.616	9.615	0.001	91	481084	120.0	112.0	
109 1,2,3-Trimethylbenzene	105	10.053	10.053	0.000	99	2547228	60.0	65.1	
110 Benzyl chloride	91	10.148	10.148	0.000	99	1809487	60.0	68.9	
114 1,3,5-Trichlorobenzene	180	11.355	11.355	0.000	96	852877	60.0	67.1	
119 2-Methylnaphthalene	142	13.402	13.402	0.000	93	1838835	120.0	149.4	
168 1-Methylnaphthalene	142	13.627	13.627	0.000	94	1573121	120.0	151.1	
169 Isooctane	57		0.000				ND	ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

vm50is_stk_a_00008	Amount Added: 2.00	Units: uL
vmra9w_00400	Amount Added: 48.00	Units: uL

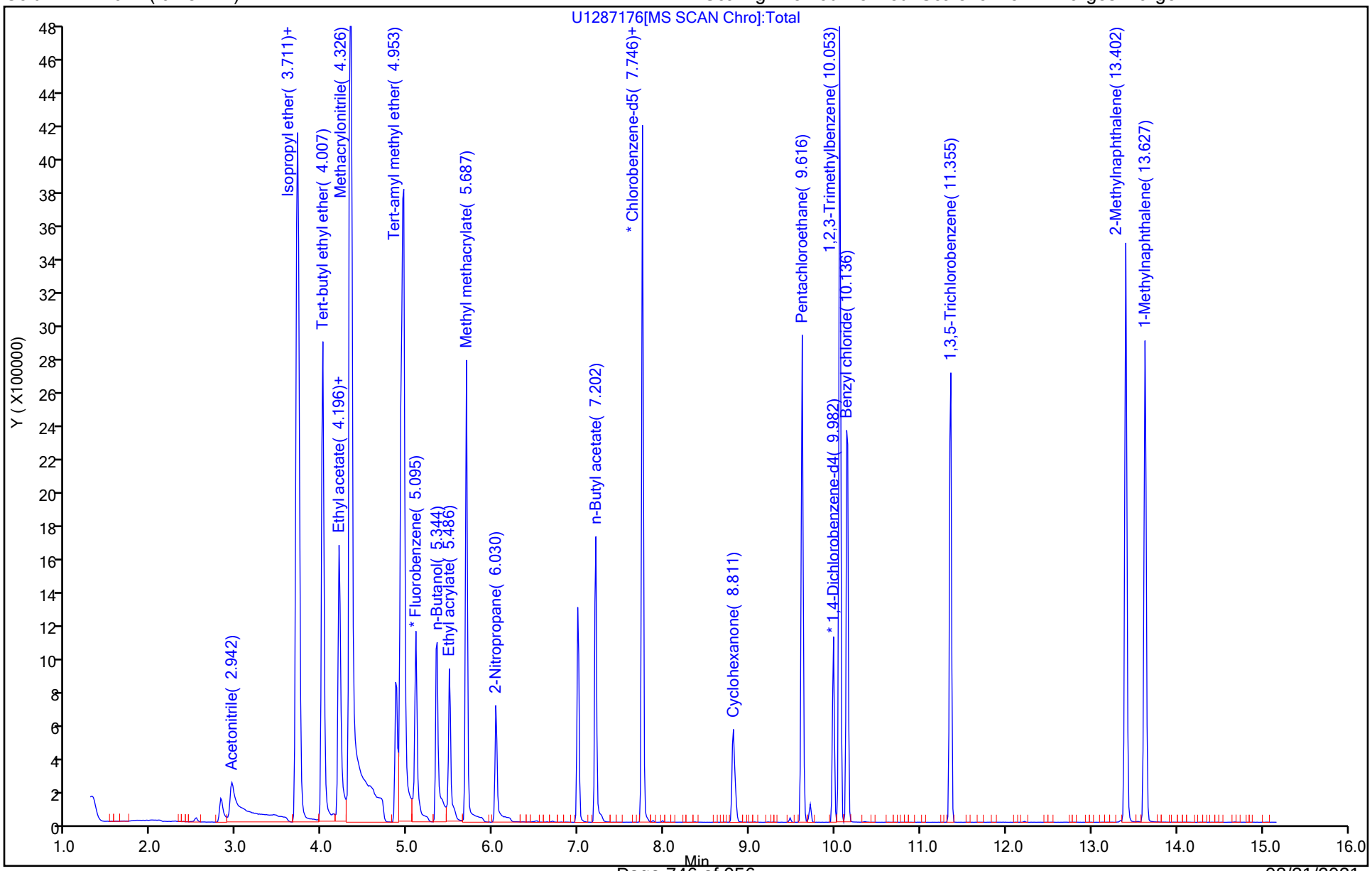
Report Date: 02-Aug-2021 14:06:57 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287176.D

Injection Date:	31-Jul-2021 17:37:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	stdA9 L6			Worklist Smp#:	26
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



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D
Lims ID: stdA9 L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 31-Jul-2021 17:59:30 ALS Bottle#: 20 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-027
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub4

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:06:59 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 02-Aug-2021 13:47:54

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	98	907629	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	56	523585	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	276621	20.0	20.0	
26 Acetonitrile	41	2.942	2.953	-0.011	100	1839792	800.0	887.8	
37 Isopropyl ether	87	3.699	3.699	0.000	94	983967	80.0	78.9	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	95	2293372	80.0	80.8	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	98	3827398	80.0	78.3	
43 Ethyl acetate	43	4.196	4.196	0.000	100	2349456	160.0	150.9	
44 Propionitrile	54	4.208	4.208	0.000	98	1952620	800.0	841.5	
45 Methacrylonitrile	41	4.326	4.326	0.000	95	8912229	800.0	792.5	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	98	4037659	80.0	84.2	
58 n-Butanol	56	5.344	5.344	0.000	90	925074	2000.0	1711.8	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	1336366	80.0	78.5	
63 Methyl methacrylate	41	5.687	5.687	0.000	92	2018683	160.0	156.2	
67 2-Nitropropane	41	6.030	6.030	0.000	100	735108	160.0	173.5	
79 n-Butyl acetate	43	7.202	7.201	0.001	99	1802440	80.0	77.7	
82 1-Chlorohexane	91	7.746	7.746	0.000	95	1195311	80.0	76.0	
91 Cyclohexanone	55	8.811	8.811	0.000	95	436552	800.0	826.5	
103 Pentachloroethane	167	9.616	9.615	0.001	91	708954	160.0	159.3	
109 1,2,3-Trimethylbenzene	105	10.053	10.053	0.000	99	3441689	80.0	84.9	
110 Benzyl chloride	91	10.148	10.148	0.000	100	2453562	80.0	90.2	
114 1,3,5-Trichlorobenzene	180	11.355	11.355	0.000	96	1140587	80.0	86.7	
119 2-Methylnaphthalene	142	13.402	13.402	0.000	93	2870438	160.0	225.1	
168 1-Methylnaphthalene	142	13.627	13.627	0.000	94	2485009	160.0	230.4	
169 Isooctane	57		0.000				ND	ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

vm50is_stk_a_00008	Amount Added: 2.00	Units: uL
vmra9w_00400	Amount Added: 64.00	Units: uL

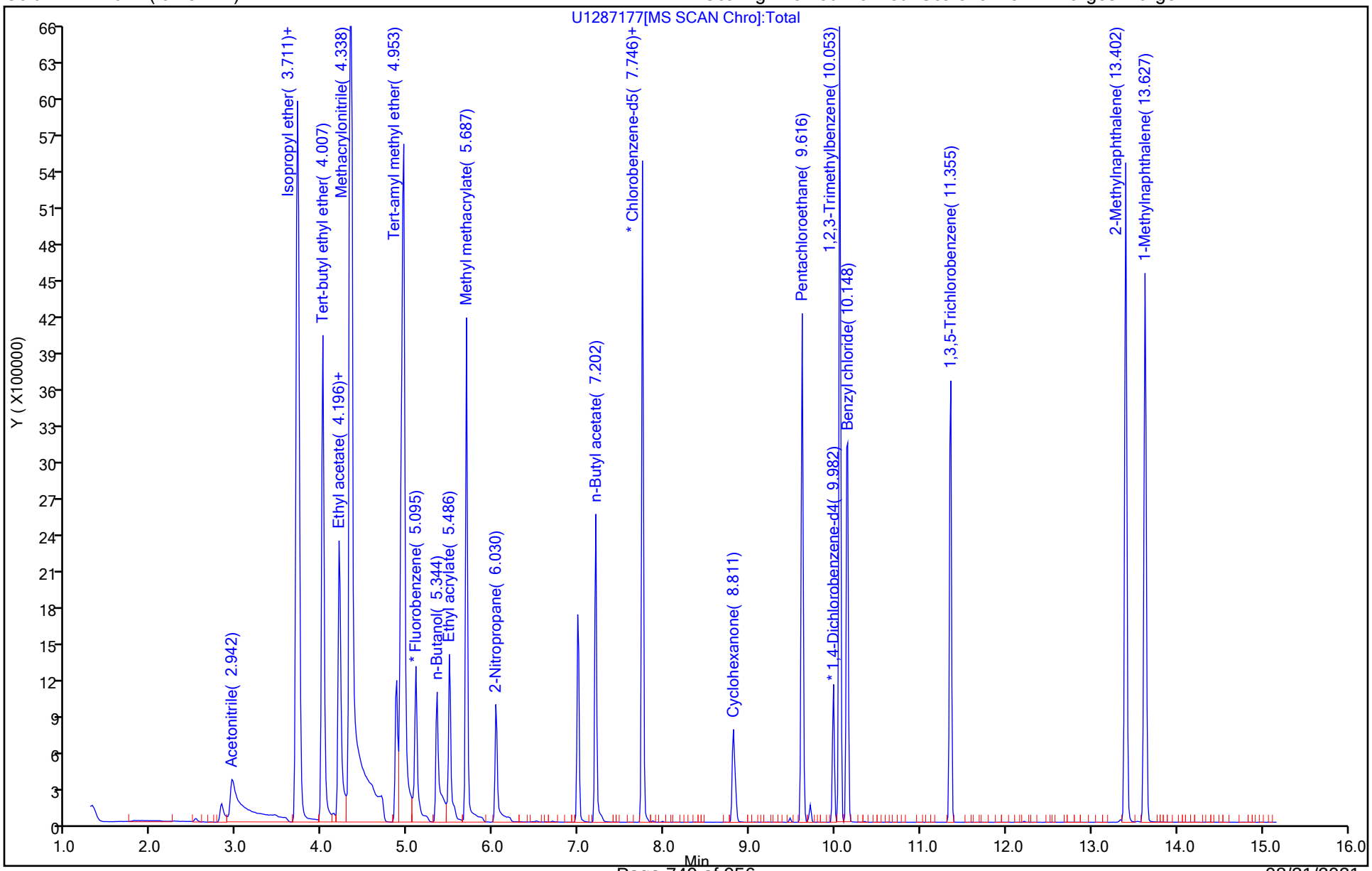
Report Date: 02-Aug-2021 14:07:00 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Injection Date:	31-Jul-2021 17:59:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	stdA9 L7			Worklist Smp#:	27
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
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



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

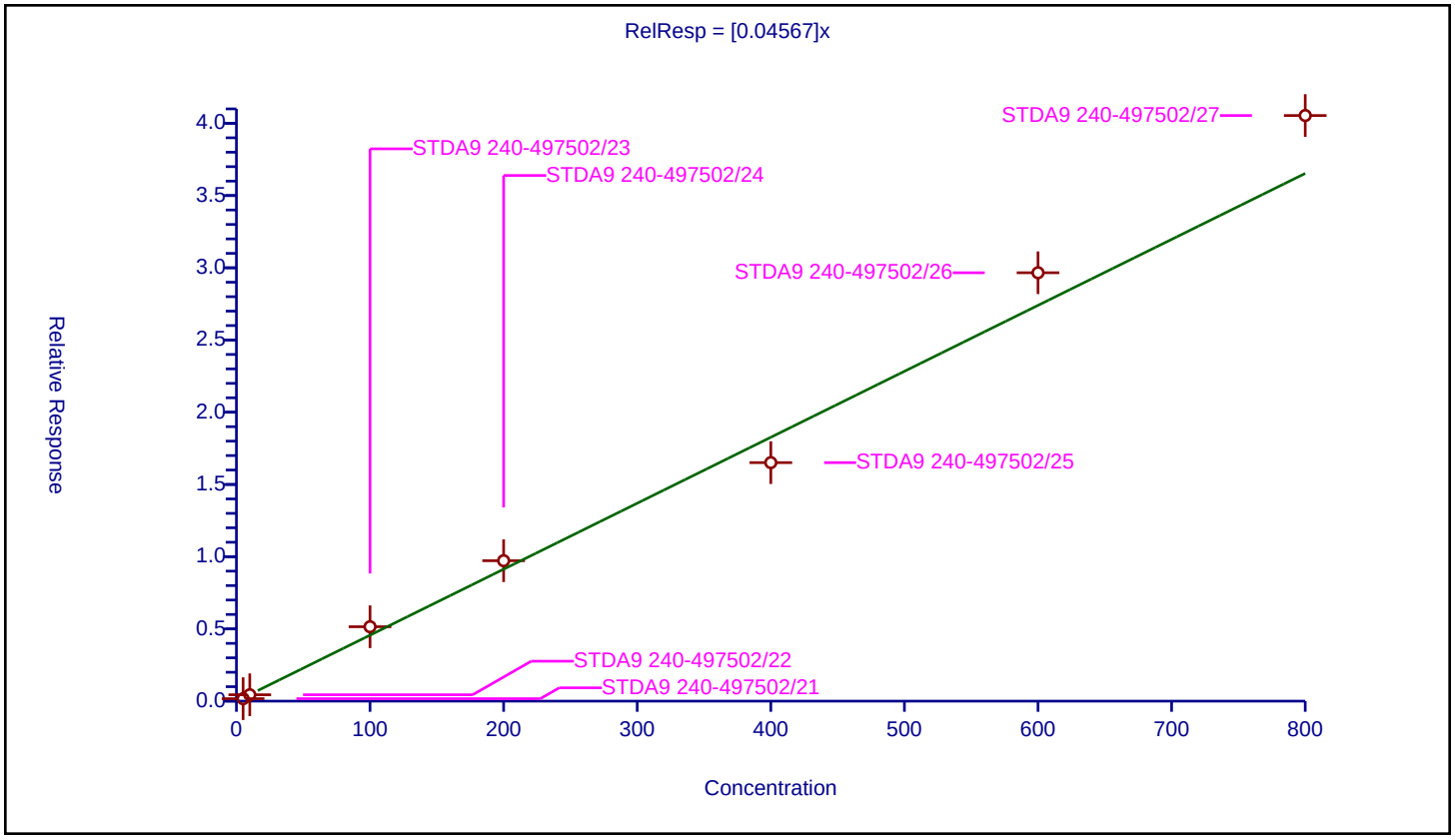
Curve Coefficients

Intercept:	0
Slope:	0.04567

Error Coefficients

Standard Error:	958000
Relative Standard Error:	13.9
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	5.0	0.169858	20.0	885448.0	0.033972	Y
2	STDA9 240-497502/22	10.0	0.441786	20.0	836107.0	0.044179	Y
3	STDA9 240-497502/23	100.0	5.151148	20.0	808216.0	0.051511	Y
4	STDA9 240-497502/24	200.0	9.722086	20.0	776751.0	0.04861	Y
5	STDA9 240-497502/25	400.0	16.51269	20.0	806702.0	0.041282	Y
6	STDA9 240-497502/26	600.0	29.657629	20.0	822995.0	0.049429	Y
7	STDA9 240-497502/27	800.0	40.540617	20.0	907629.0	0.050676	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

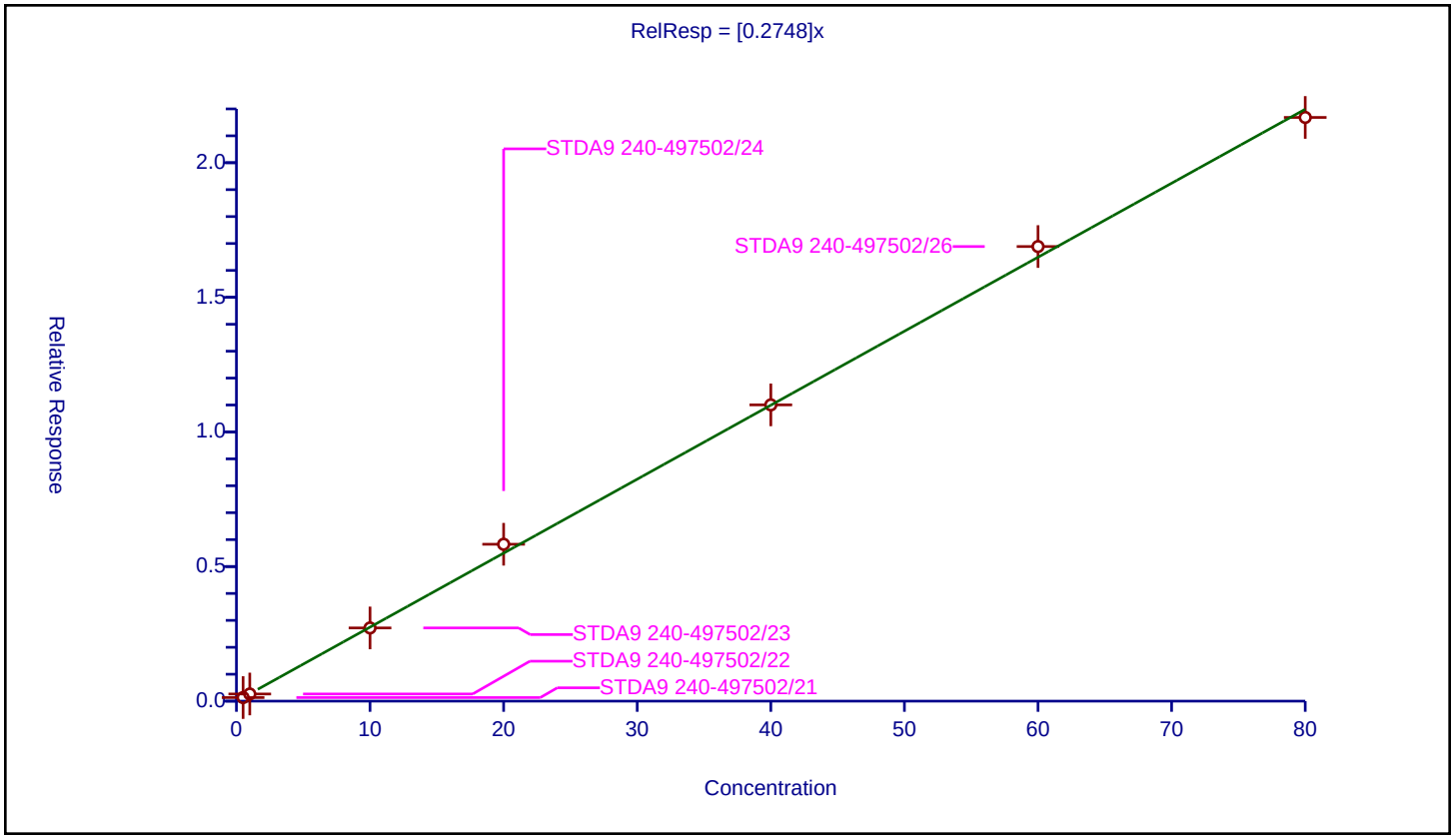
Curve Coefficients

Intercept:	0
Slope:	0.2748

Error Coefficients

Standard Error:	534000
Relative Standard Error:	3.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	0.5	0.133469	20.0	885448.0	0.266938	Y
2	STDA9 240-497502/22	1.0	0.265971	20.0	836107.0	0.265971	Y
3	STDA9 240-497502/23	10.0	2.719718	20.0	808216.0	0.271972	Y
4	STDA9 240-497502/24	20.0	5.82753	20.0	776751.0	0.291377	Y
5	STDA9 240-497502/25	40.0	11.005328	20.0	806702.0	0.275133	Y
6	STDA9 240-497502/26	60.0	16.88698	20.0	822995.0	0.28145	Y
7	STDA9 240-497502/27	80.0	21.682141	20.0	907629.0	0.271027	Y



Calibration / 2-Chloro-1,3-butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

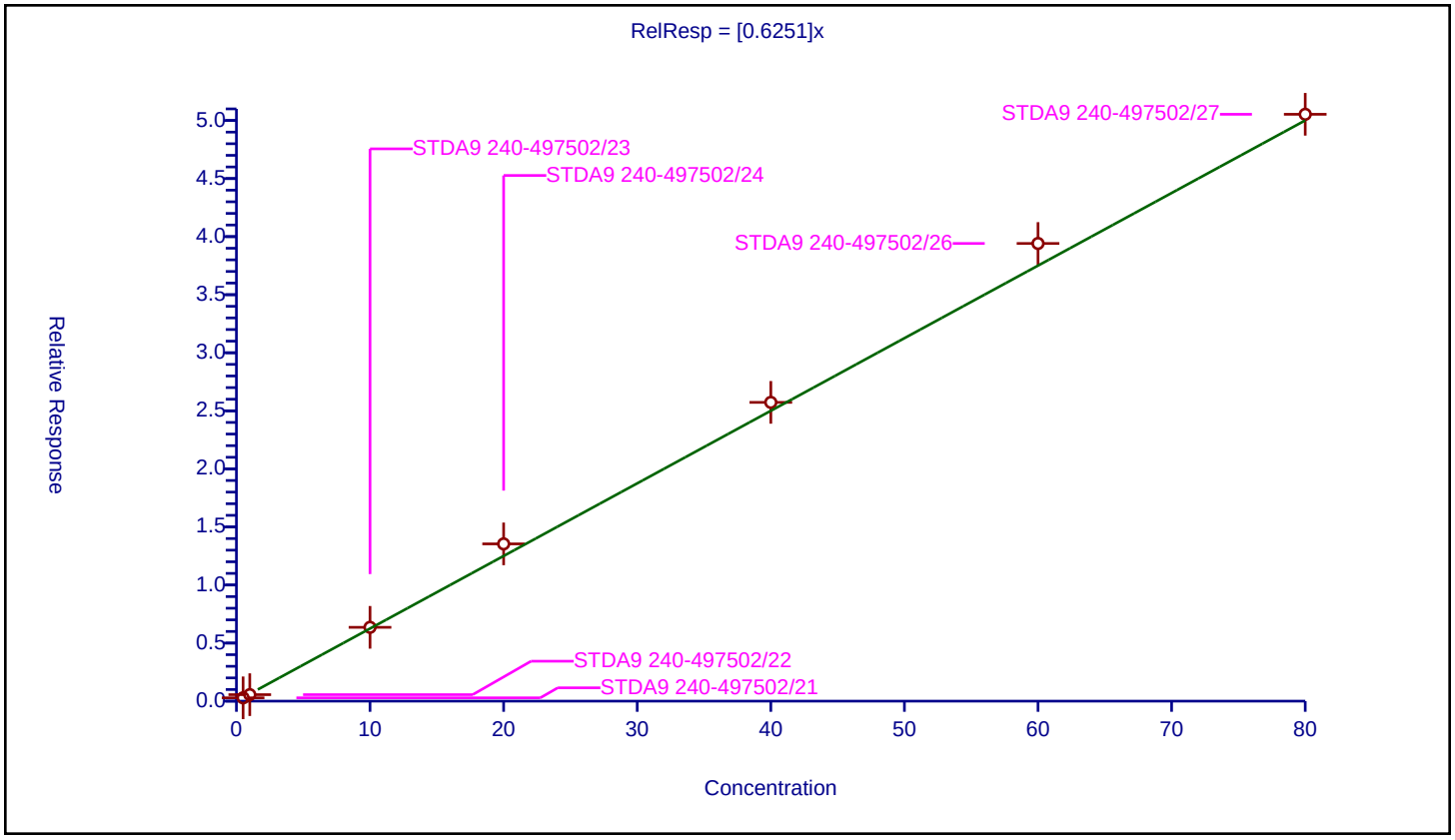
Curve Coefficients

Intercept:	0
Slope:	0.6251

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	7.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	0.5	0.286205	20.0	885448.0	0.572411	Y
2	STDA9 240-497502/22	1.0	0.558613	20.0	836107.0	0.558613	Y
3	STDA9 240-497502/23	10.0	6.357236	20.0	808216.0	0.635724	Y
4	STDA9 240-497502/24	20.0	13.541894	20.0	776751.0	0.677095	Y
5	STDA9 240-497502/25	40.0	25.728088	20.0	806702.0	0.643202	Y
6	STDA9 240-497502/26	60.0	39.411491	20.0	822995.0	0.656858	Y
7	STDA9 240-497502/27	80.0	50.53545	20.0	907629.0	0.631693	Y



Calibration / Tert-butyl ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

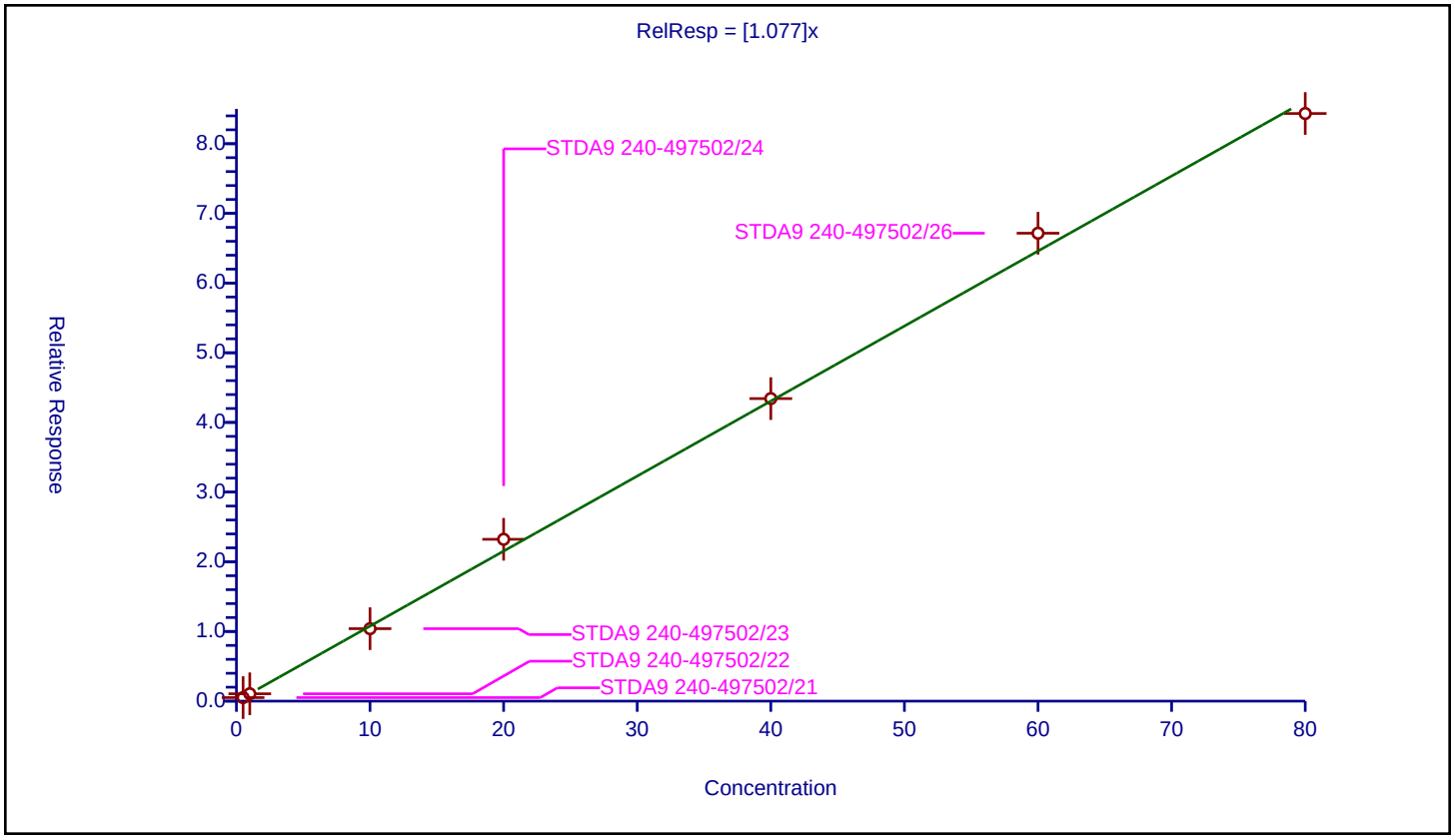
Curve Coefficients

Intercept:	0
Slope:	1.077

Error Coefficients

Standard Error:	2100000
Relative Standard Error:	4.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	0.5	0.509573	20.0	885448.0	1.019145	Y
2	STDA9 240-497502/22	1.0	1.056826	20.0	836107.0	1.056826	Y
3	STDA9 240-497502/23	10.0	10.399398	20.0	808216.0	1.03994	Y
4	STDA9 240-497502/24	20.0	23.22783	20.0	776751.0	1.161391	Y
5	STDA9 240-497502/25	40.0	43.424015	20.0	806702.0	1.0856	Y
6	STDA9 240-497502/26	60.0	67.155499	20.0	822995.0	1.119258	Y
7	STDA9 240-497502/27	80.0	84.338381	20.0	907629.0	1.05423	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

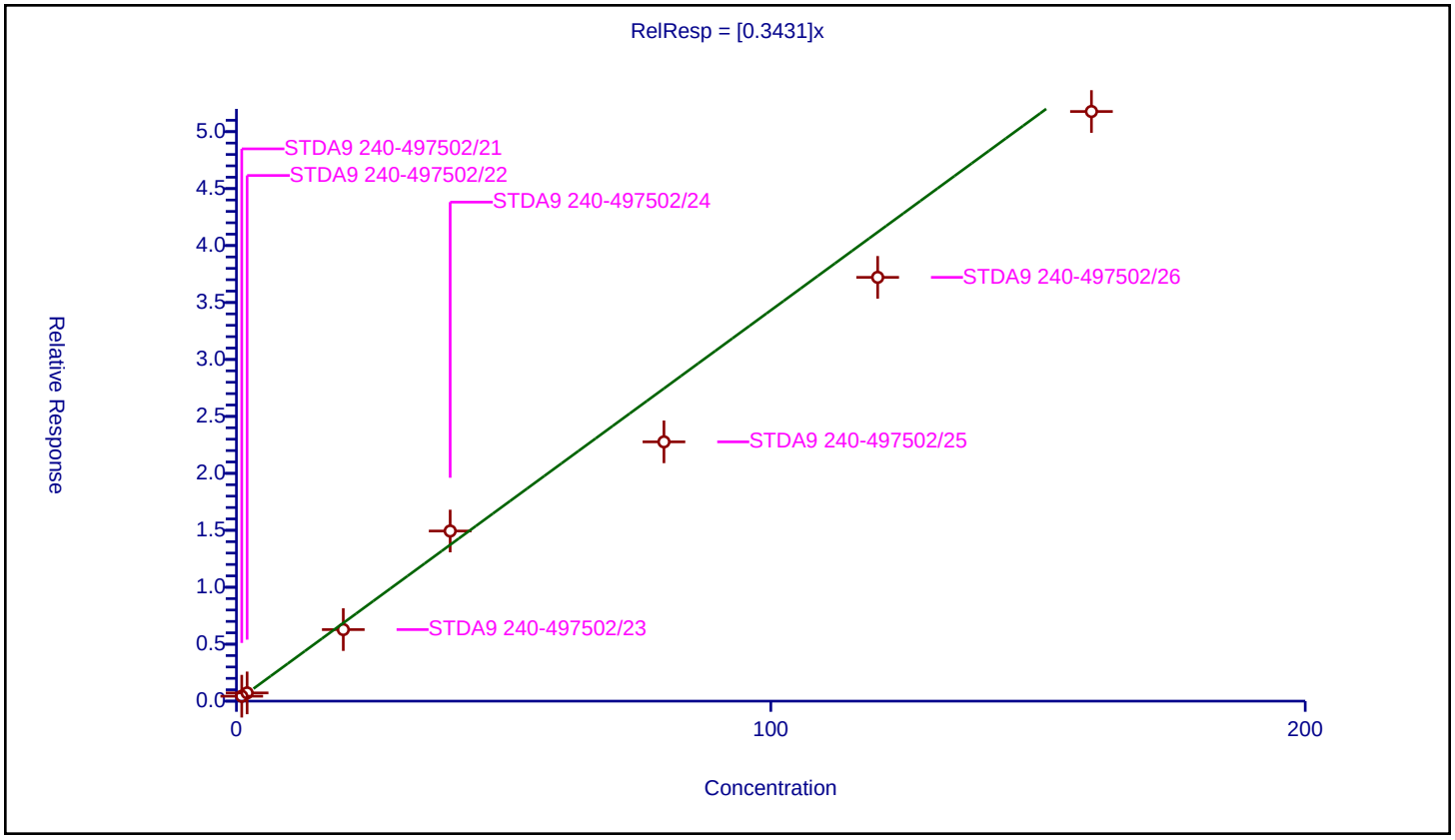
Curve Coefficients

Intercept:	0
Slope:	0.3431

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	14.7
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	1.0	0.433859	20.0	885448.0	0.433859	Y
2	STDA9 240-497502/22	2.0	0.724764	20.0	836107.0	0.362382	Y
3	STDA9 240-497502/23	20.0	6.281415	20.0	808216.0	0.314071	Y
4	STDA9 240-497502/24	40.0	14.938069	20.0	776751.0	0.373452	Y
5	STDA9 240-497502/25	80.0	22.767466	20.0	806702.0	0.284593	Y
6	STDA9 240-497502/26	120.0	37.210044	20.0	822995.0	0.310084	Y
7	STDA9 240-497502/27	160.0	51.771285	20.0	907629.0	0.323571	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

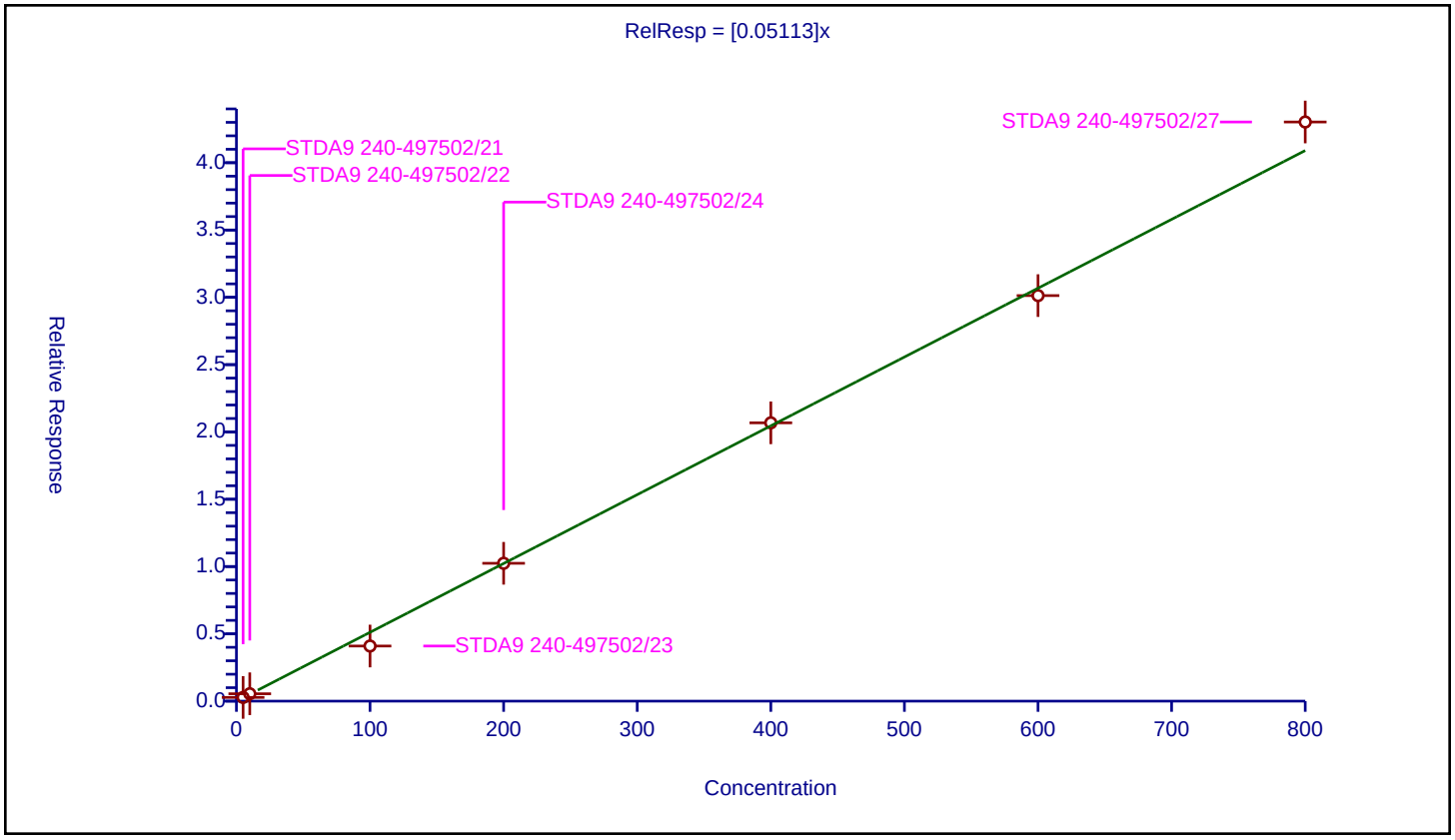
Curve Coefficients

Intercept:	0
Slope:	0.05113

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	9.5
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	5.0	0.275544	20.0	885448.0	0.055109	Y
2	STDA9 240-497502/22	10.0	0.549547	20.0	836107.0	0.054955	Y
3	STDA9 240-497502/23	100.0	4.095465	20.0	808216.0	0.040955	Y
4	STDA9 240-497502/24	200.0	10.241557	20.0	776751.0	0.051208	Y
5	STDA9 240-497502/25	400.0	20.676309	20.0	806702.0	0.051691	Y
6	STDA9 240-497502/26	600.0	30.129709	20.0	822995.0	0.050216	Y
7	STDA9 240-497502/27	800.0	43.026831	20.0	907629.0	0.053784	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

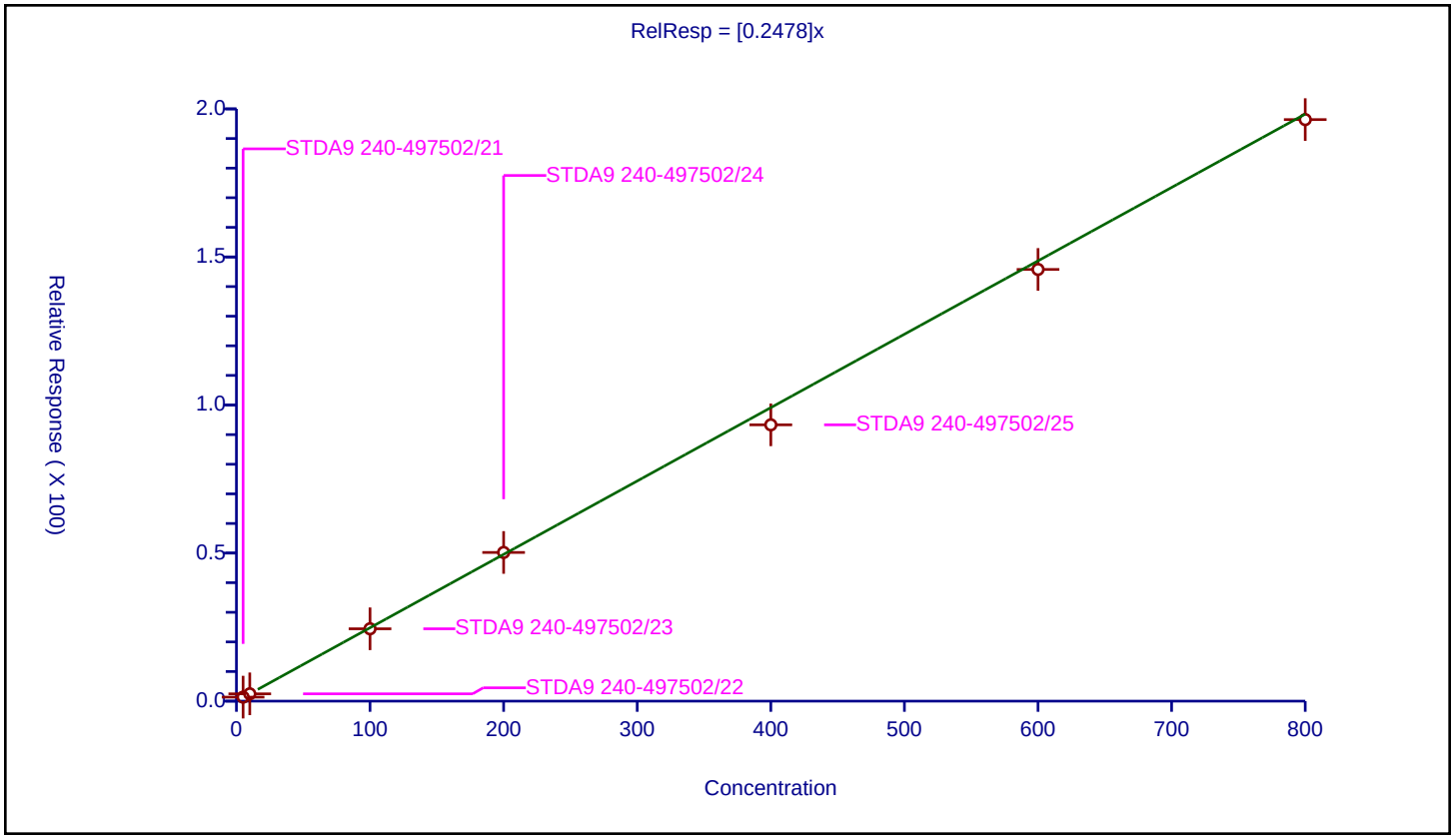
Curve Coefficients

Intercept:	0
Slope:	0.2478

Error Coefficients

Standard Error:	4730000
Relative Standard Error:	4.7
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	5.0	1.355291	20.0	885448.0	0.271058	Y
2	STDA9 240-497502/22	10.0	2.464445	20.0	836107.0	0.246445	Y
3	STDA9 240-497502/23	100.0	24.435473	20.0	808216.0	0.244355	Y
4	STDA9 240-497502/24	200.0	50.214213	20.0	776751.0	0.251071	Y
5	STDA9 240-497502/25	400.0	93.306054	20.0	806702.0	0.233265	Y
6	STDA9 240-497502/26	600.0	145.786451	20.0	822995.0	0.242977	Y
7	STDA9 240-497502/27	800.0	196.384844	20.0	907629.0	0.245481	Y



Calibration / Tert-amyl methyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

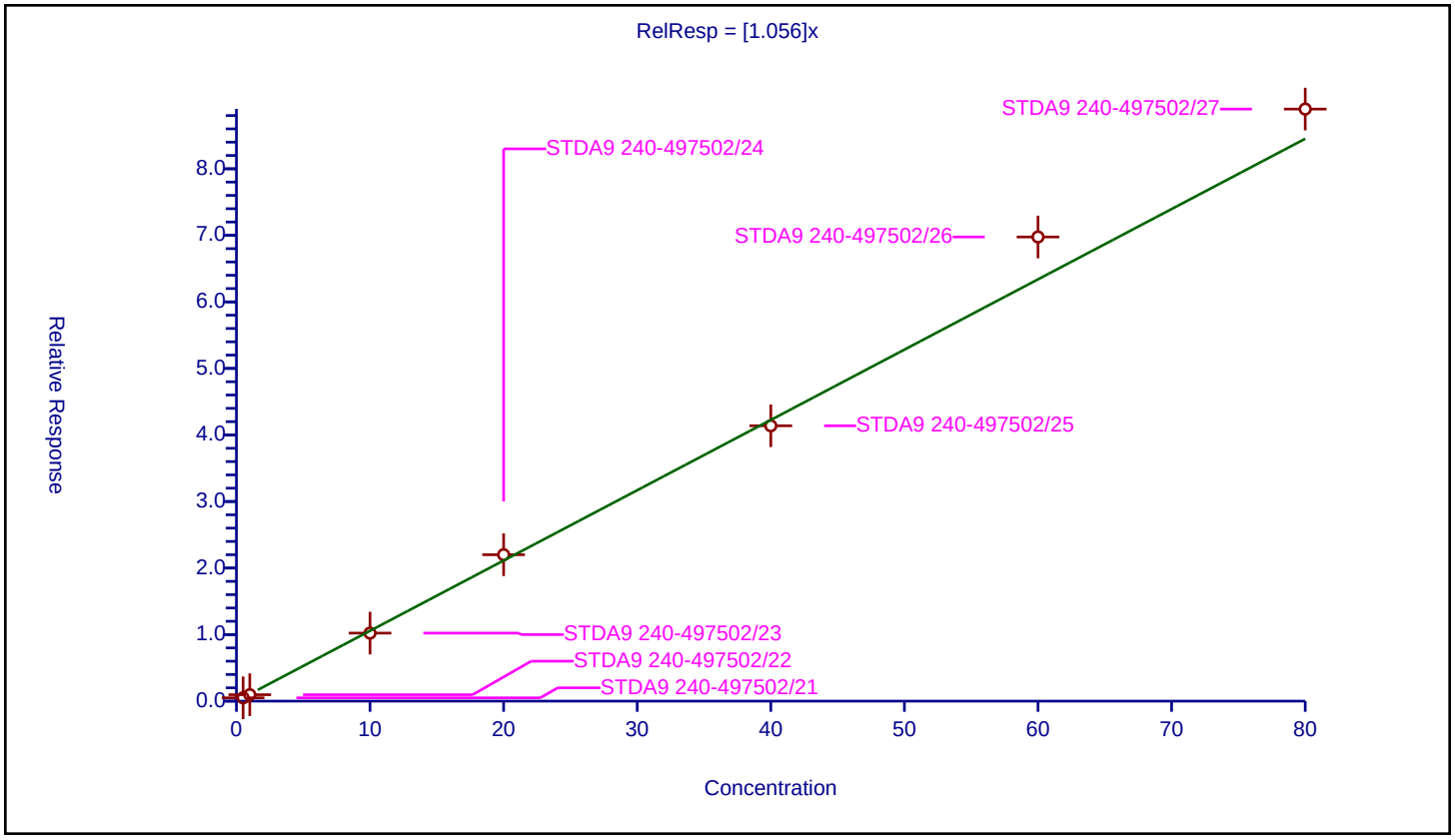
Curve Coefficients

Intercept:	0
Slope:	1.056

Error Coefficients

Standard Error:	2170000
Relative Standard Error:	6.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	0.5	0.498369	20.0	885448.0	0.996738	Y
2	STDA9 240-497502/22	1.0	0.966647	20.0	836107.0	0.966647	Y
3	STDA9 240-497502/23	10.0	10.222663	20.0	808216.0	1.022266	Y
4	STDA9 240-497502/24	20.0	22.003808	20.0	776751.0	1.10019	Y
5	STDA9 240-497502/25	40.0	41.378055	20.0	806702.0	1.034451	Y
6	STDA9 240-497502/26	60.0	69.75272	20.0	822995.0	1.162545	Y
7	STDA9 240-497502/27	80.0	88.971573	20.0	907629.0	1.112145	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

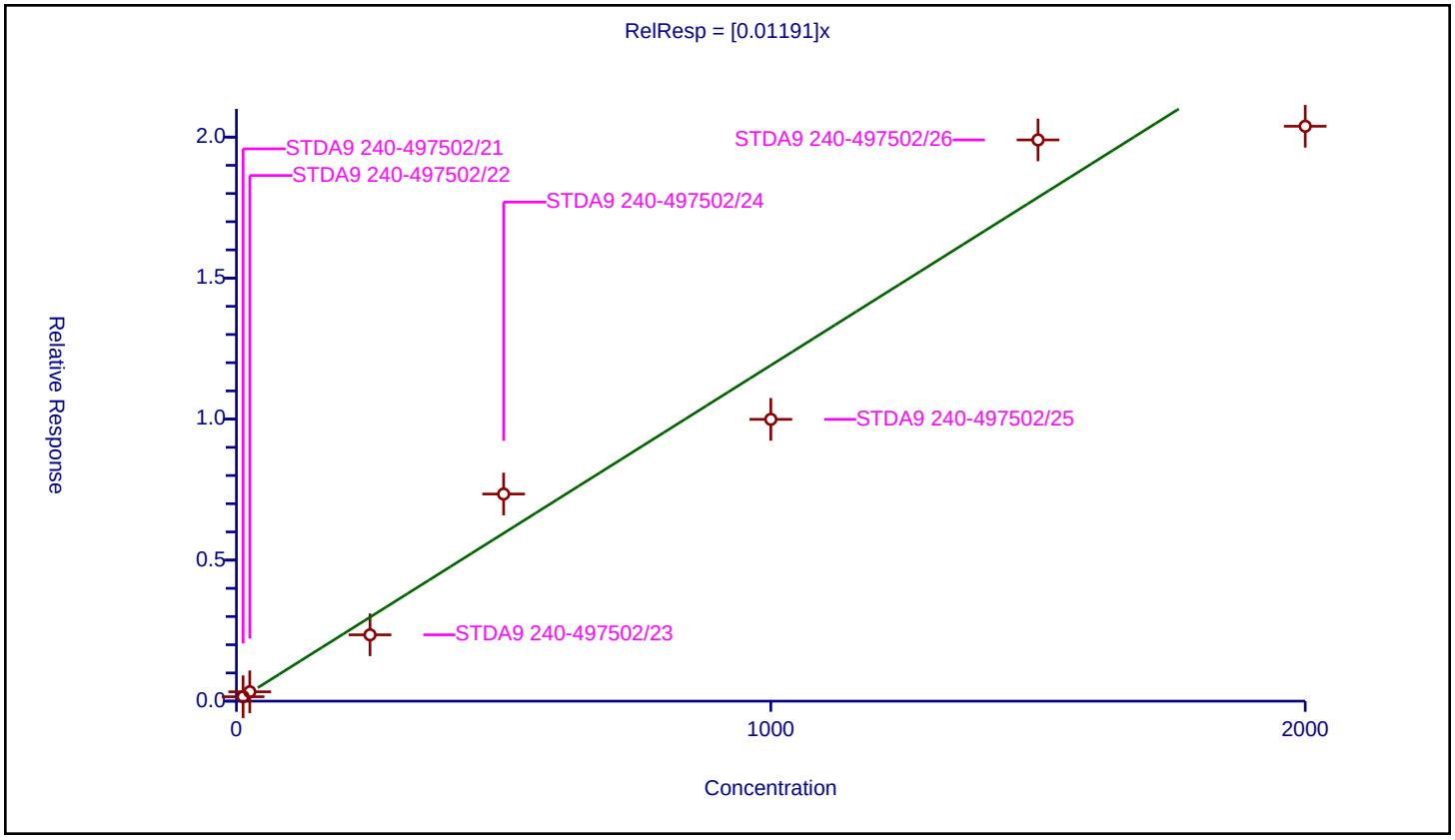
Curve Coefficients

Intercept:	0
Slope:	0.01191

Error Coefficients

Standard Error:	545000
Relative Standard Error:	17.0
Correlation Coefficient:	0.977
Coefficient of Determination (Adjusted):	0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	12.5	0.156576	20.0	885448.0	0.012526	Y
2	STDA9 240-497502/22	25.0	0.332111	20.0	836107.0	0.013284	Y
3	STDA9 240-497502/23	250.0	2.351748	20.0	808216.0	0.009407	Y
4	STDA9 240-497502/24	500.0	7.344387	20.0	776751.0	0.014689	Y
5	STDA9 240-497502/25	1000.0	9.992364	20.0	806702.0	0.009992	Y
6	STDA9 240-497502/26	1500.0	19.899854	20.0	822995.0	0.013267	Y
7	STDA9 240-497502/27	2000.0	20.384408	20.0	907629.0	0.010192	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

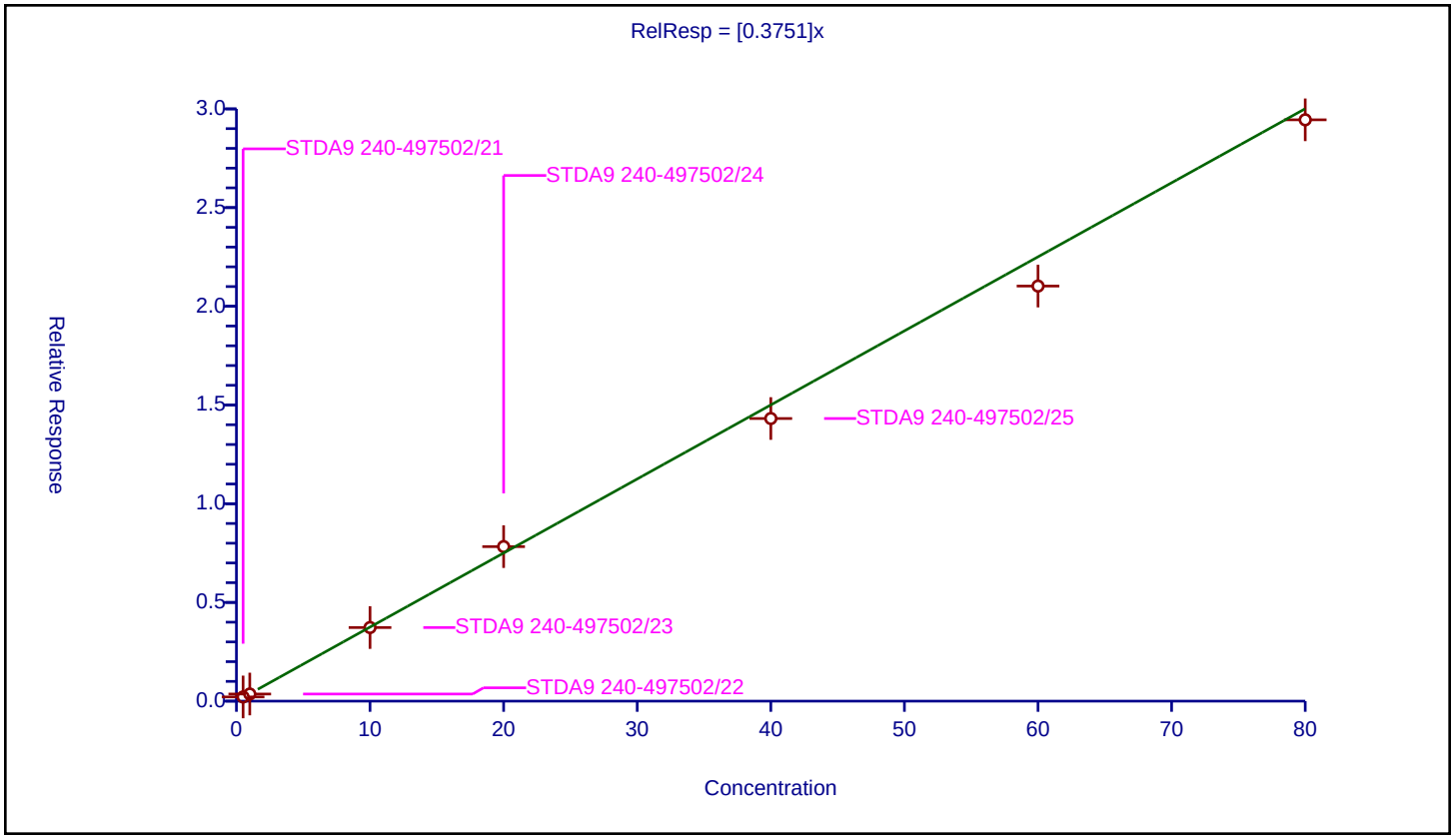
Curve Coefficients

Intercept:	0
Slope:	0.3751

Error Coefficients

Standard Error:	705000
Relative Standard Error:	6.7
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	0.5	0.212096	20.0	885448.0	0.424192	Y
2	STDA9 240-497502/22	1.0	0.360959	20.0	836107.0	0.360959	Y
3	STDA9 240-497502/23	10.0	3.727914	20.0	808216.0	0.372791	Y
4	STDA9 240-497502/24	20.0	7.827013	20.0	776751.0	0.391351	Y
5	STDA9 240-497502/25	40.0	14.316836	20.0	806702.0	0.357921	Y
6	STDA9 240-497502/26	60.0	21.025158	20.0	822995.0	0.350419	Y
7	STDA9 240-497502/27	80.0	29.447406	20.0	907629.0	0.368093	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

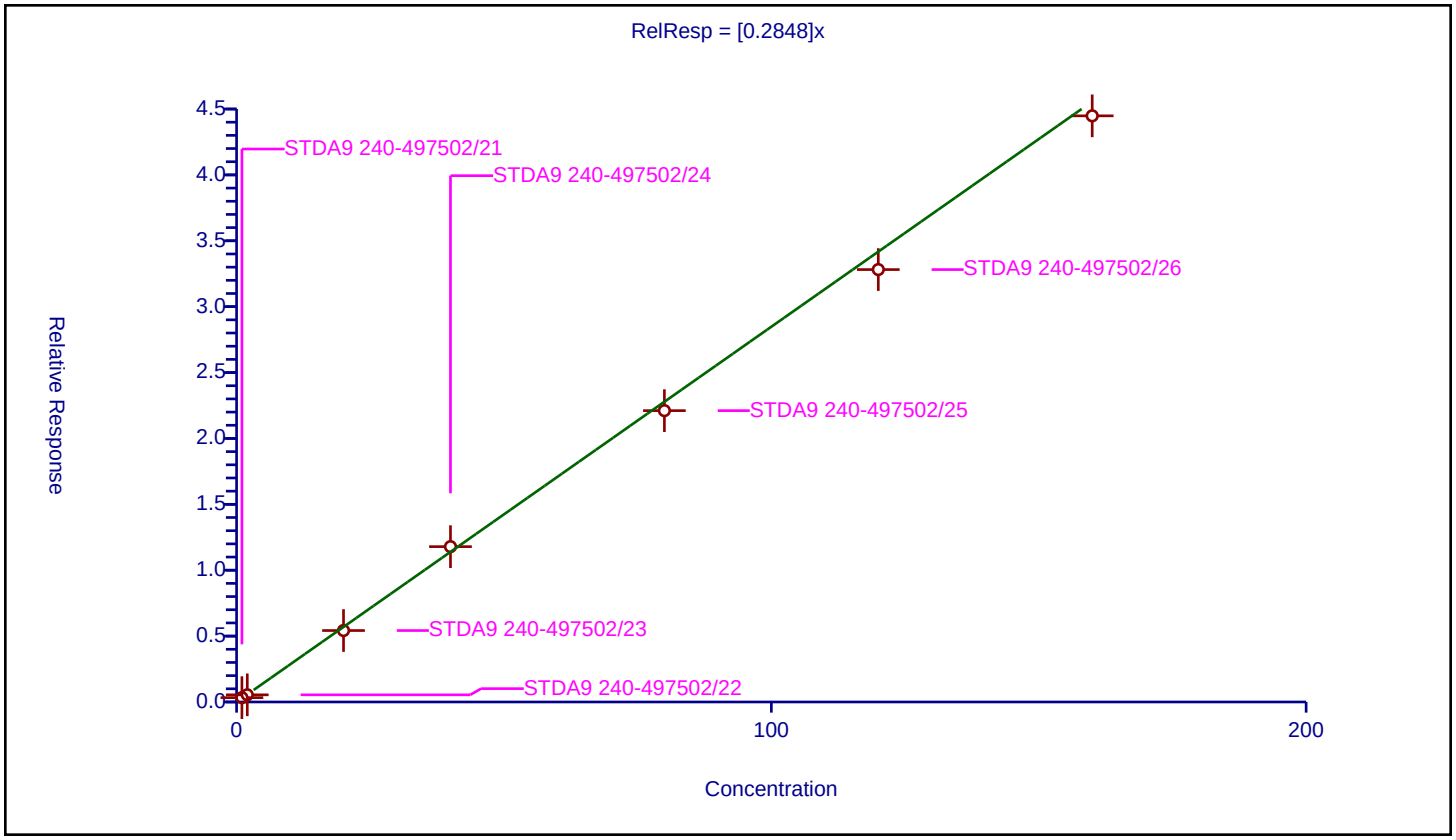
Curve Coefficients

Intercept:	0
Slope:	0.2848

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	7.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	1.0	0.327857	20.0	885448.0	0.327857	Y
2	STDA9 240-497502/22	2.0	0.54371	20.0	836107.0	0.271855	Y
3	STDA9 240-497502/23	20.0	5.422931	20.0	808216.0	0.271147	Y
4	STDA9 240-497502/24	40.0	11.7889	20.0	776751.0	0.294723	Y
5	STDA9 240-497502/25	80.0	22.110098	20.0	806702.0	0.276376	Y
6	STDA9 240-497502/26	120.0	32.815752	20.0	822995.0	0.273465	Y
7	STDA9 240-497502/27	160.0	44.482558	20.0	907629.0	0.278016	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

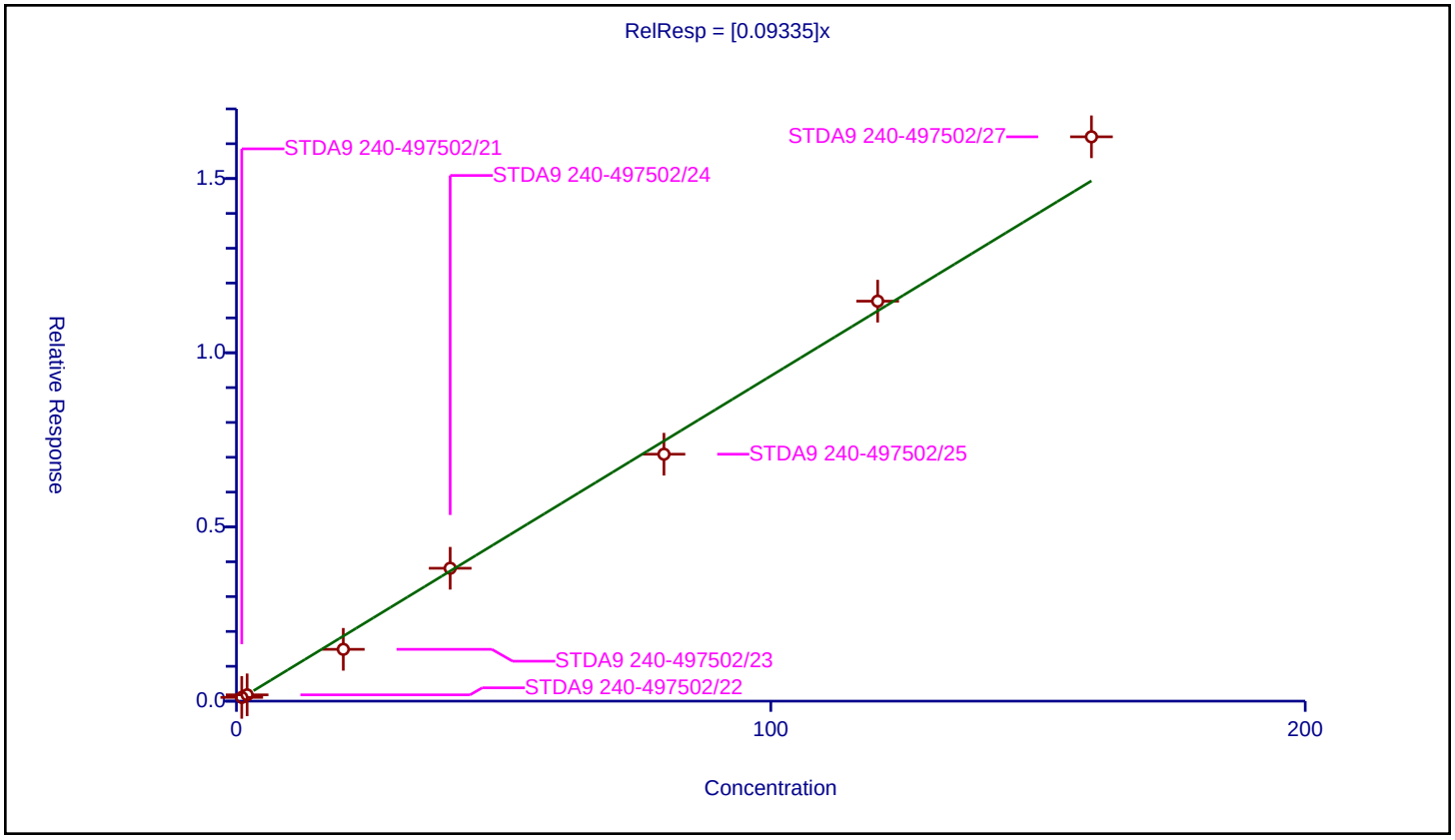
Curve Coefficients

Intercept:	0
Slope:	0.09335

Error Coefficients

Standard Error:	381000
Relative Standard Error:	11.3
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	1.0	0.107584	20.0	885448.0	0.107584	Y
2	STDA9 240-497502/22	2.0	0.181125	20.0	836107.0	0.090563	Y
3	STDA9 240-497502/23	20.0	1.487548	20.0	808216.0	0.074377	Y
4	STDA9 240-497502/24	40.0	3.814839	20.0	776751.0	0.095371	Y
5	STDA9 240-497502/25	80.0	7.088218	20.0	806702.0	0.088603	Y
6	STDA9 240-497502/26	120.0	11.481309	20.0	822995.0	0.095678	Y
7	STDA9 240-497502/27	160.0	16.198425	20.0	907629.0	0.10124	Y



Calibration / n-Butyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

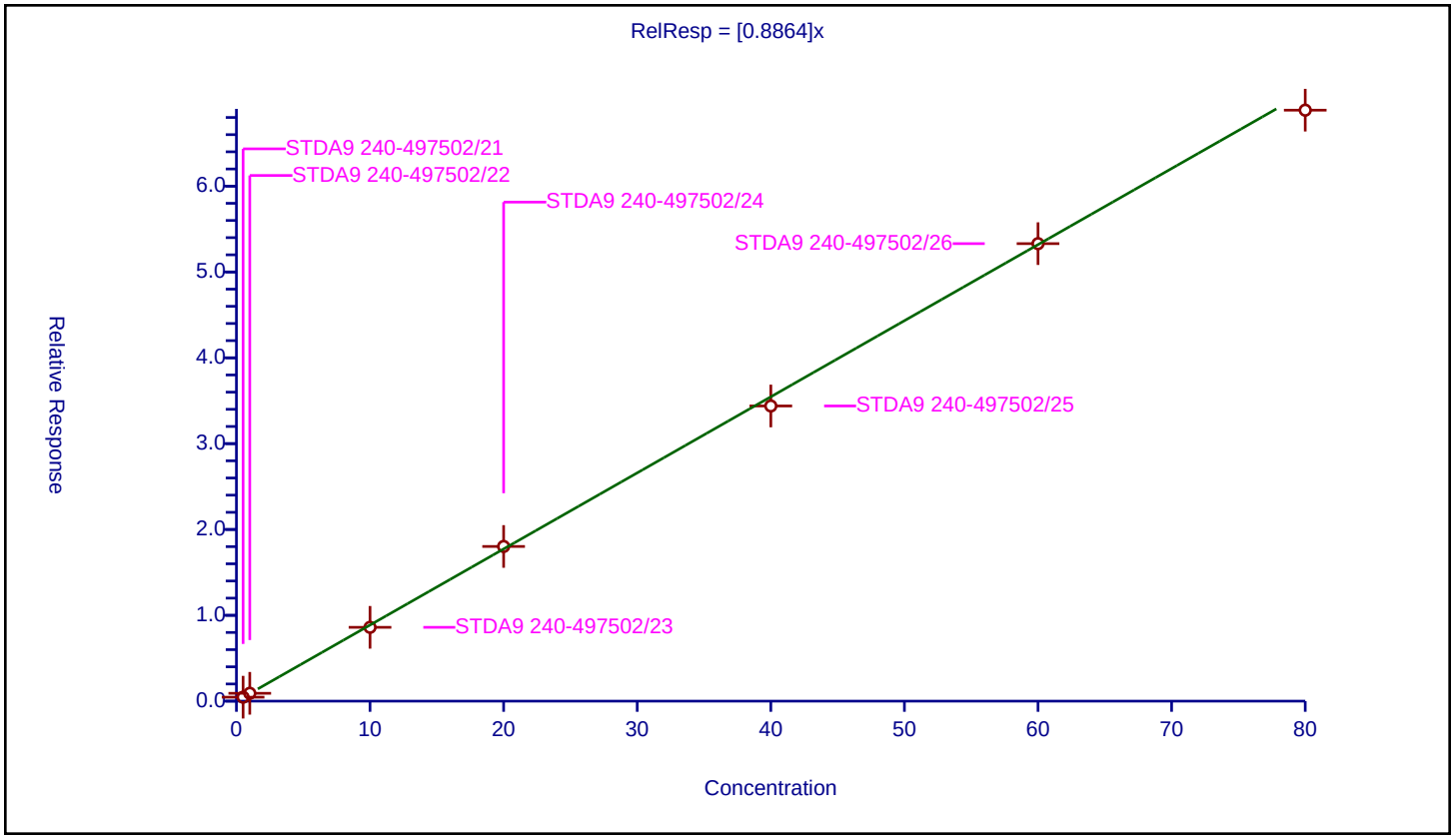
Curve Coefficients

Intercept:	0
Slope:	0.8864

Error Coefficients

Standard Error:	983000
Relative Standard Error:	3.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	0.5	0.460573	20.0	568726.0	0.921147	Y
2	STDA9 240-497502/22	1.0	0.914257	20.0	502003.0	0.914257	Y
3	STDA9 240-497502/23	10.0	8.599559	20.0	488346.0	0.859956	Y
4	STDA9 240-497502/24	20.0	18.021759	20.0	475200.0	0.901088	Y
5	STDA9 240-497502/25	40.0	34.388179	20.0	488084.0	0.859704	Y
6	STDA9 240-497502/26	60.0	53.30173	20.0	476959.0	0.888362	Y
7	STDA9 240-497502/27	80.0	68.849948	20.0	523585.0	0.860624	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

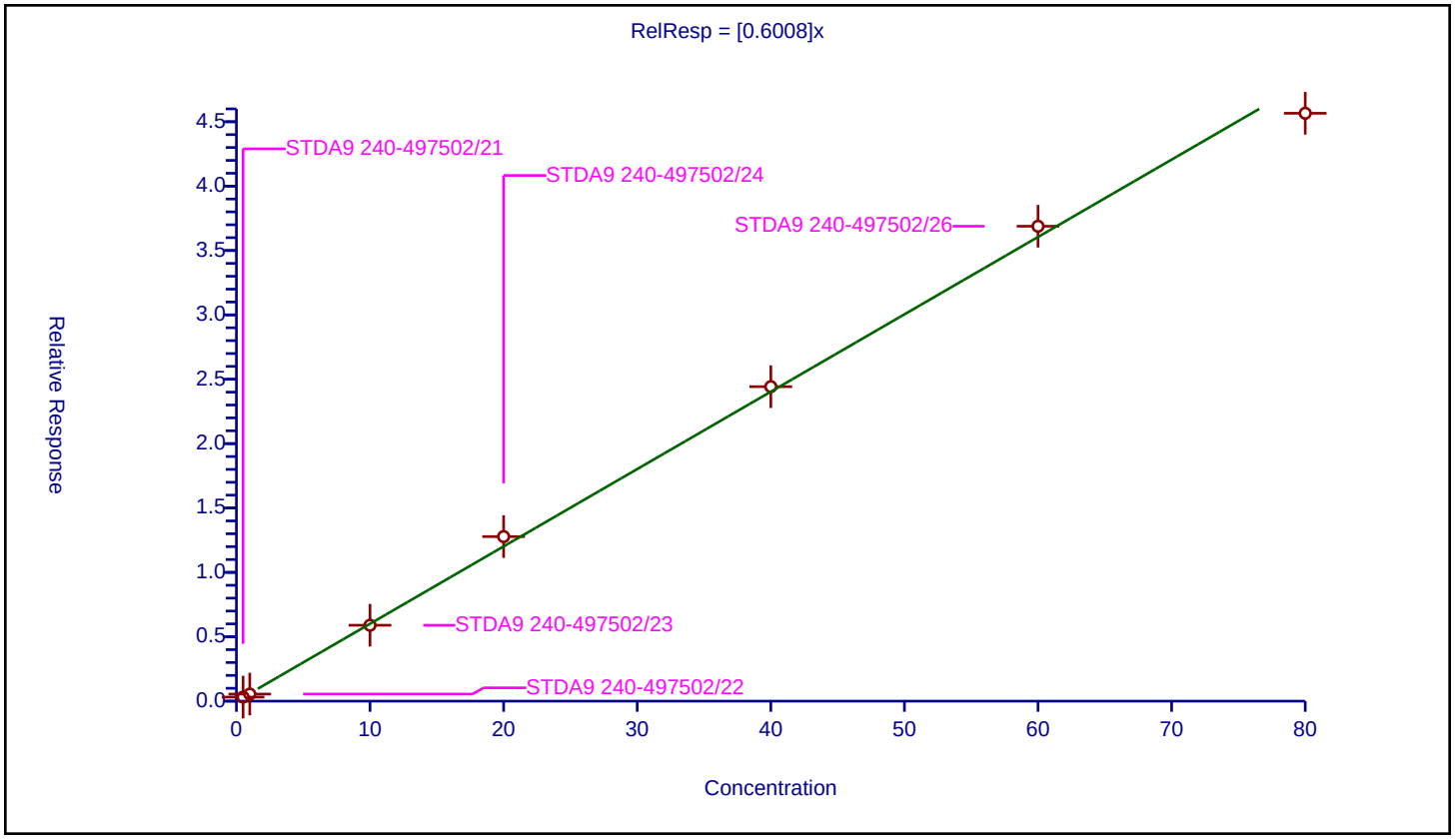
Curve Coefficients

Intercept:	0
Slope:	0.6008

Error Coefficients

Standard Error:	667000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	0.5	0.316251	20.0	568726.0	0.632501	Y
2	STDA9 240-497502/22	1.0	0.548722	20.0	502003.0	0.548722	Y
3	STDA9 240-497502/23	10.0	5.893936	20.0	488346.0	0.589394	Y
4	STDA9 240-497502/24	20.0	12.781566	20.0	475200.0	0.639078	Y
5	STDA9 240-497502/25	40.0	24.425918	20.0	488084.0	0.610648	Y
6	STDA9 240-497502/26	60.0	36.884512	20.0	476959.0	0.614742	Y
7	STDA9 240-497502/27	80.0	45.658718	20.0	523585.0	0.570734	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

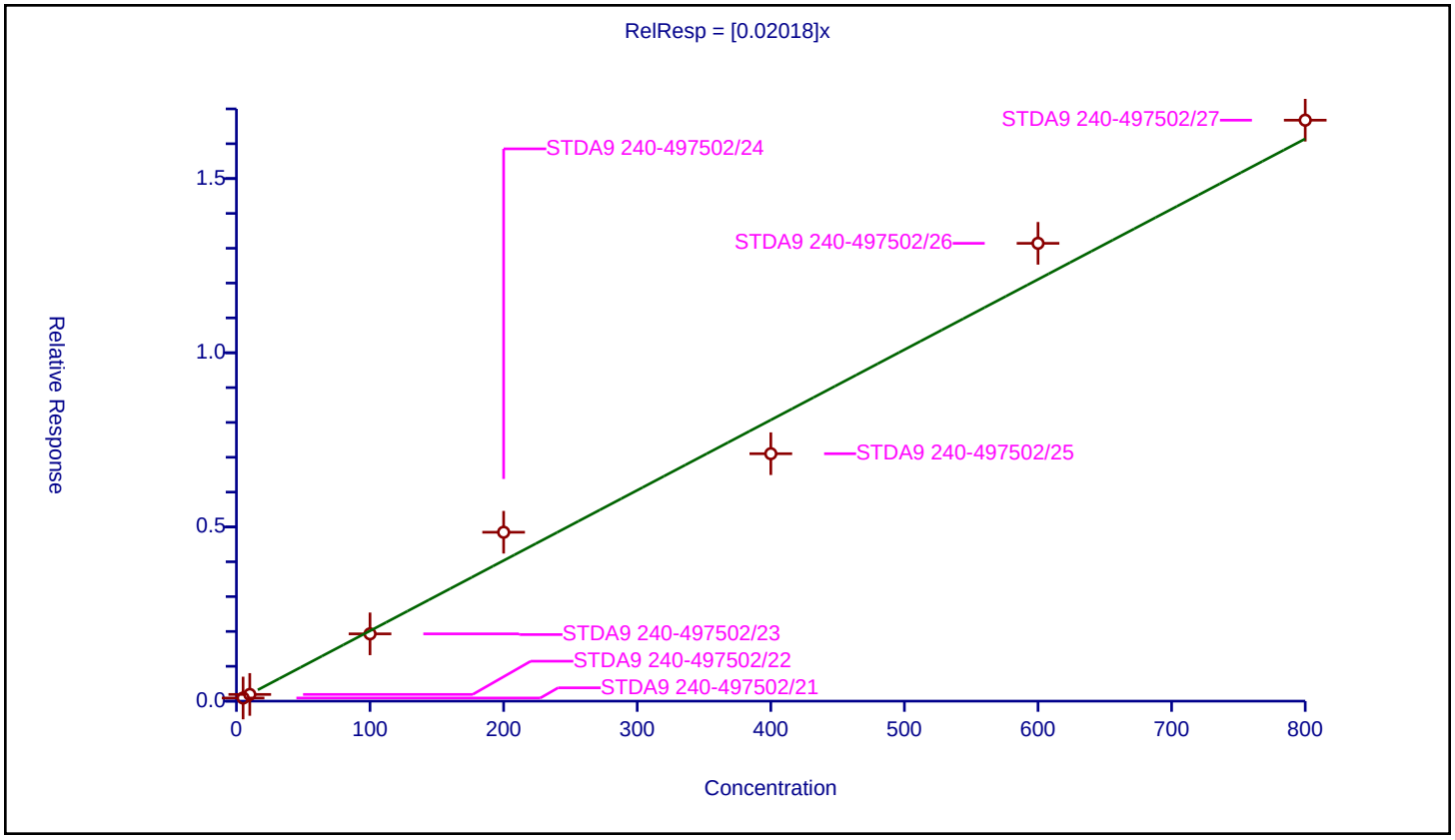
Curve Coefficients

Intercept:	0
Slope:	0.02018

Error Coefficients

Standard Error:	236000
Relative Standard Error:	11.5
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	5.0	0.08992	20.0	568726.0	0.017984	Y
2	STDA9 240-497502/22	10.0	0.191911	20.0	502003.0	0.019191	Y
3	STDA9 240-497502/23	100.0	1.931254	20.0	488346.0	0.019313	Y
4	STDA9 240-497502/24	200.0	4.848485	20.0	475200.0	0.024242	Y
5	STDA9 240-497502/25	400.0	7.10263	20.0	488084.0	0.017757	Y
6	STDA9 240-497502/26	600.0	13.1418	20.0	476959.0	0.021903	Y
7	STDA9 240-497502/27	800.0	16.675497	20.0	523585.0	0.020844	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

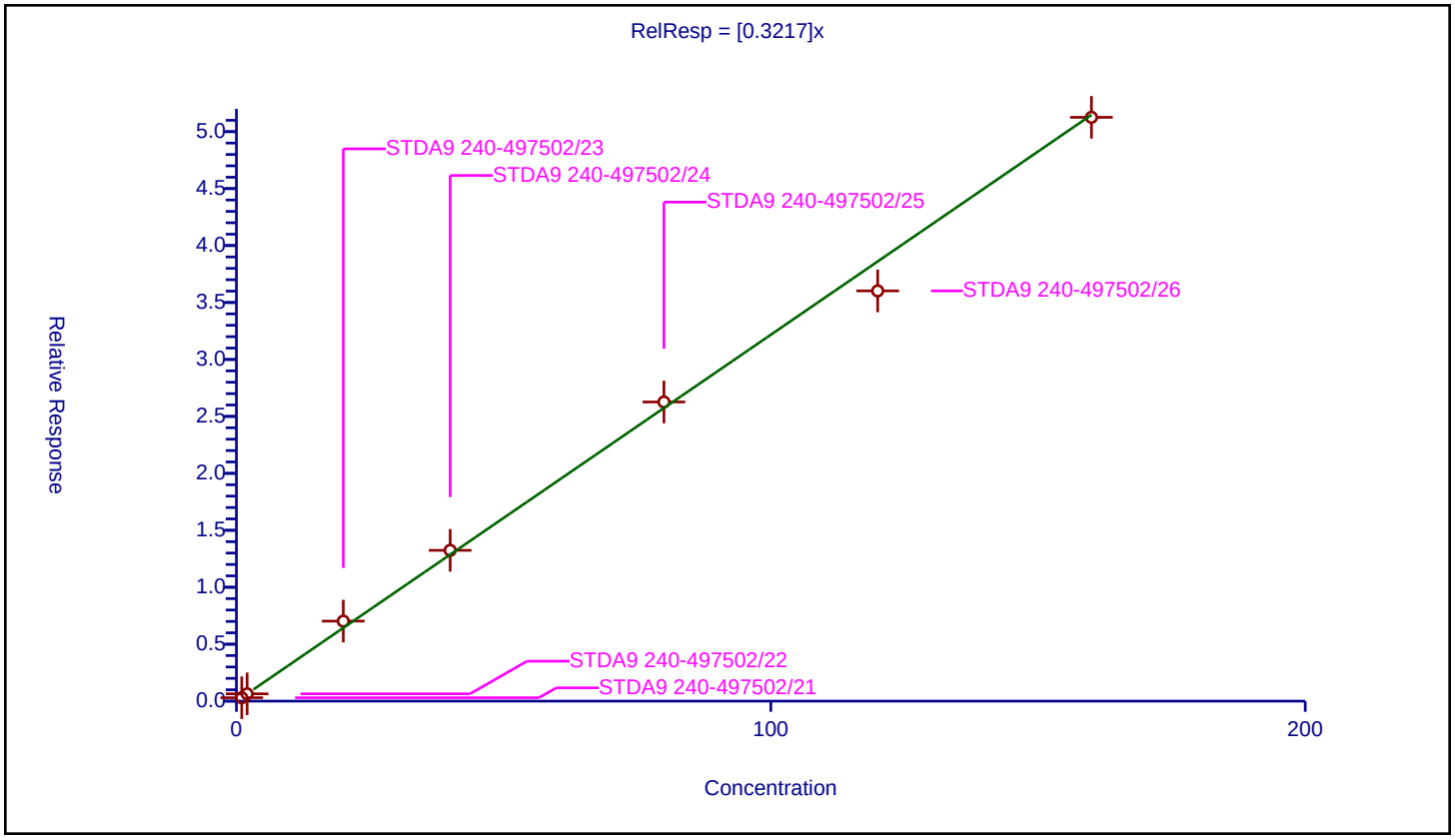
Curve Coefficients

Intercept:	0
Slope:	0.3217

Error Coefficients

Standard Error:	388000
Relative Standard Error:	5.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	1.0	0.299408	20.0	310413.0	0.299408	Y
2	STDA9 240-497502/22	2.0	0.64265	20.0	289489.0	0.321325	Y
3	STDA9 240-497502/23	20.0	7.025588	20.0	269233.0	0.351279	Y
4	STDA9 240-497502/24	40.0	13.240839	20.0	267835.0	0.331021	Y
5	STDA9 240-497502/25	80.0	26.267895	20.0	273824.0	0.328349	Y
6	STDA9 240-497502/26	120.0	36.02101	20.0	267113.0	0.300175	Y
7	STDA9 240-497502/27	160.0	51.258147	20.0	276621.0	0.320363	Y



Calibration / 1,2,3-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

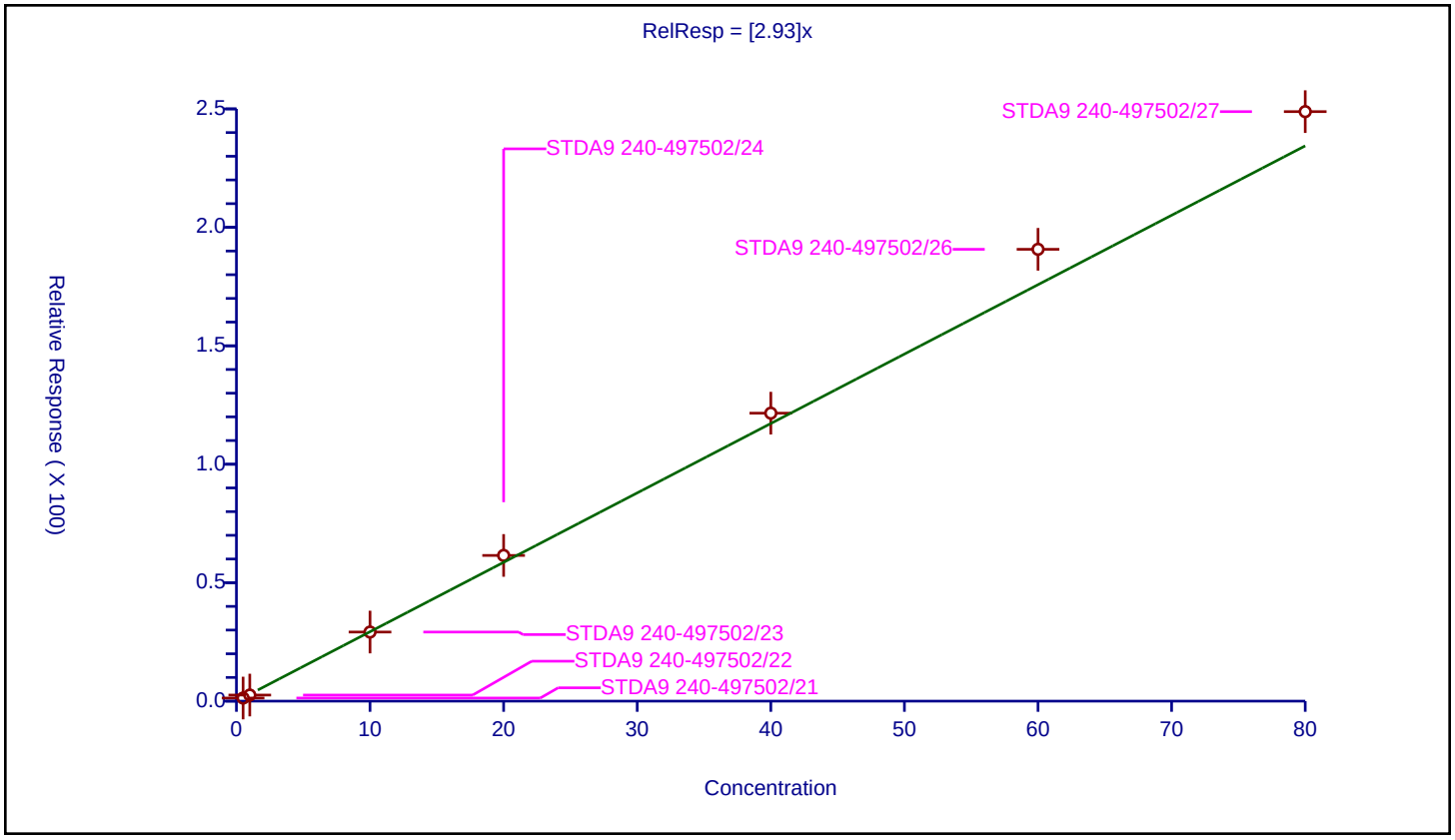
Curve Coefficients

Intercept:	0
Slope:	2.93

Error Coefficients

Standard Error:	1910000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	0.5	1.308837	20.0	310413.0	2.617674	Y
2	STDA9 240-497502/22	1.0	2.57122	20.0	289489.0	2.57122	Y
3	STDA9 240-497502/23	10.0	29.173244	20.0	269233.0	2.917324	Y
4	STDA9 240-497502/24	20.0	61.504658	20.0	267835.0	3.075233	Y
5	STDA9 240-497502/25	40.0	121.55757	20.0	273824.0	3.038939	Y
6	STDA9 240-497502/26	60.0	190.722878	20.0	267113.0	3.178715	Y
7	STDA9 240-497502/27	80.0	248.837868	20.0	276621.0	3.110473	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

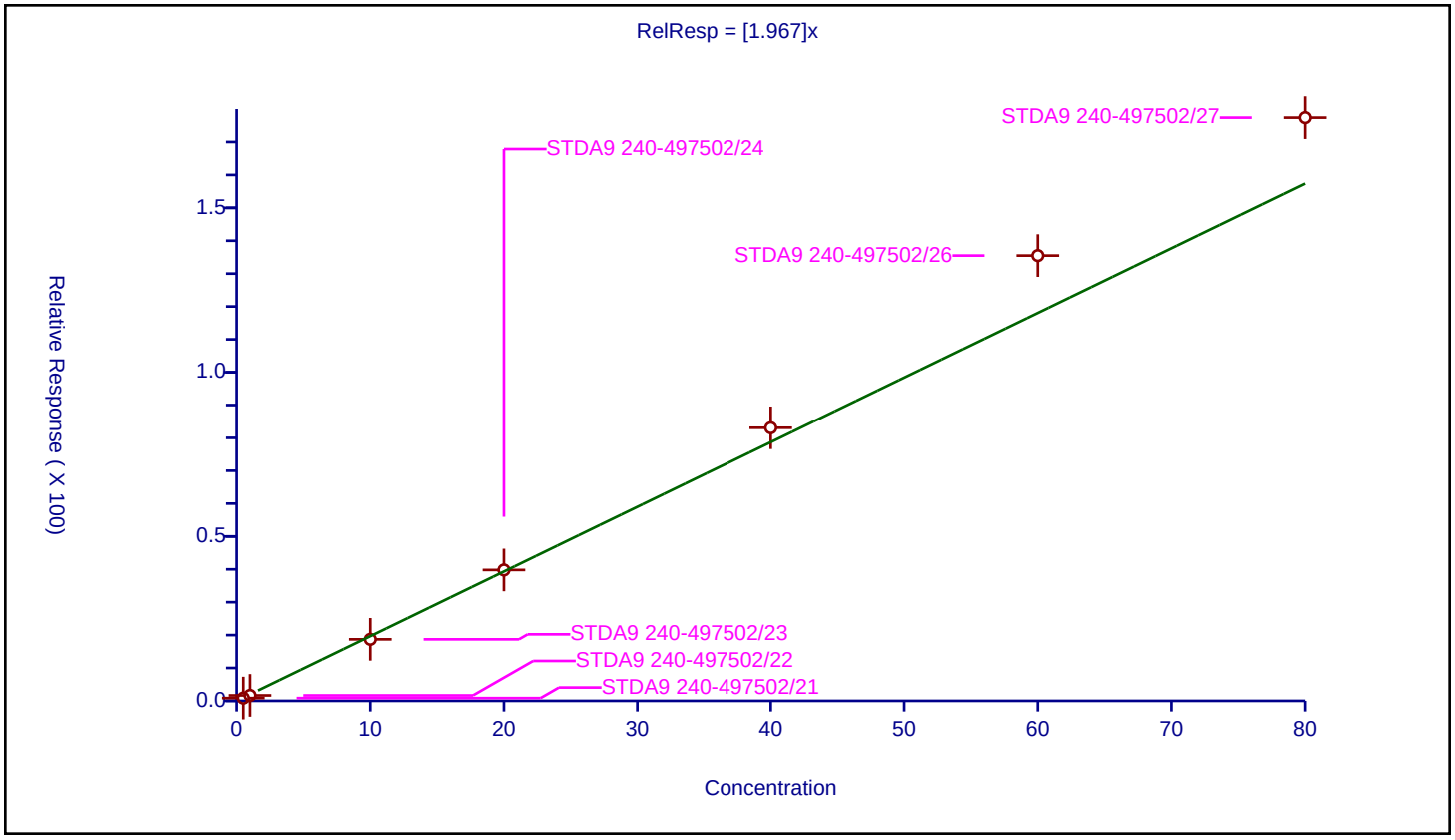
Curve Coefficients

Intercept:	0
Slope:	1.967

Error Coefficients

Standard Error:	1350000
Relative Standard Error:	12.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	0.5	0.849771	20.0	310413.0	1.699542	Y
2	STDA9 240-497502/22	1.0	1.656367	20.0	289489.0	1.656367	Y
3	STDA9 240-497502/23	10.0	18.714199	20.0	269233.0	1.87142	Y
4	STDA9 240-497502/24	20.0	39.809211	20.0	267835.0	1.990461	Y
5	STDA9 240-497502/25	40.0	83.072265	20.0	273824.0	2.076807	Y
6	STDA9 240-497502/26	60.0	135.484757	20.0	267113.0	2.258079	Y
7	STDA9 240-497502/27	80.0	177.395209	20.0	276621.0	2.21744	Y



Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

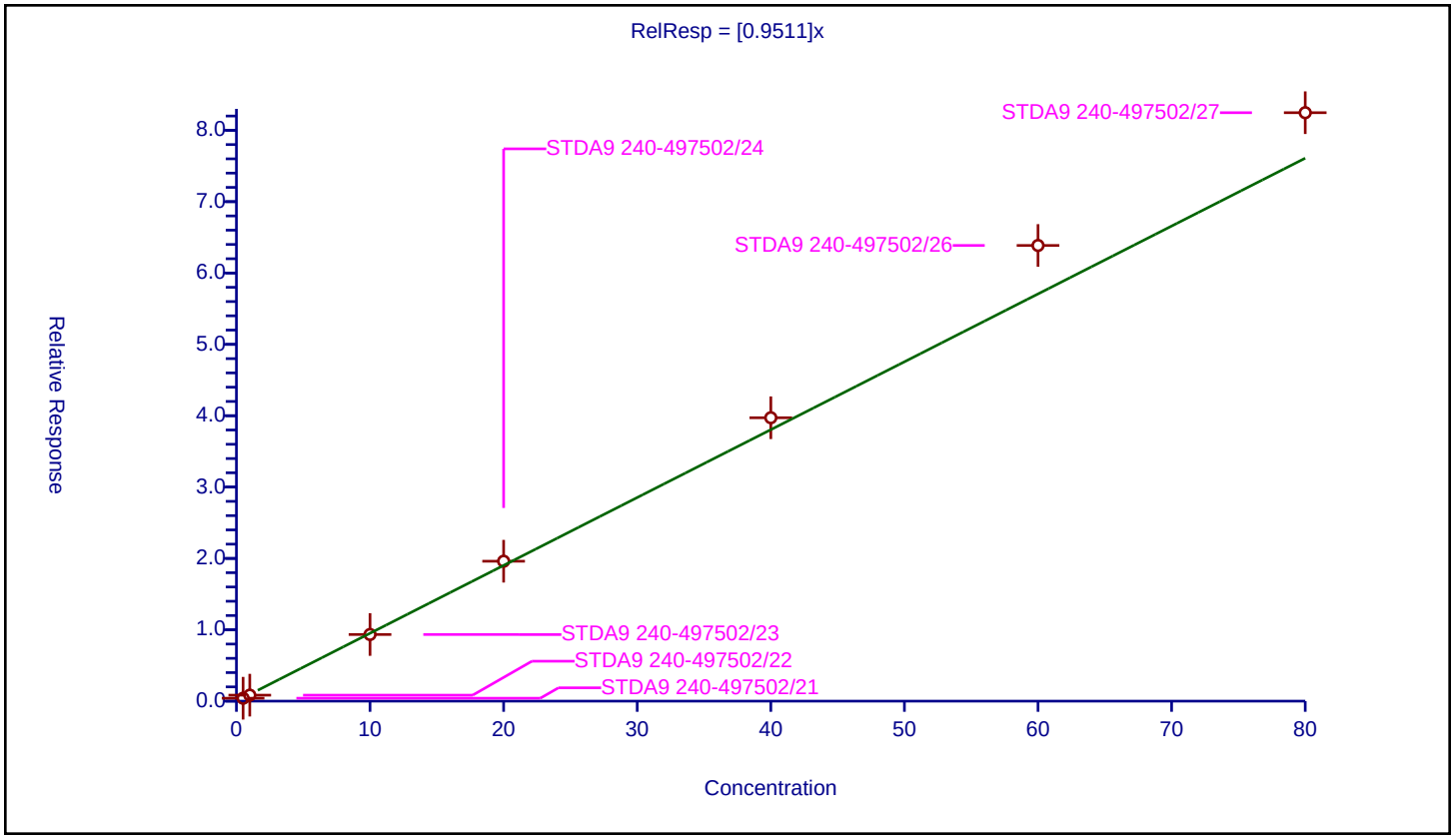
Curve Coefficients

Intercept:	0
Slope:	0.9511

Error Coefficients

Standard Error:	634000
Relative Standard Error:	9.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	0.5	0.408166	20.0	310413.0	0.816332	Y
2	STDA9 240-497502/22	1.0	0.838996	20.0	289489.0	0.838996	Y
3	STDA9 240-497502/23	10.0	9.341203	20.0	269233.0	0.93412	Y
4	STDA9 240-497502/24	20.0	19.60752	20.0	267835.0	0.980376	Y
5	STDA9 240-497502/25	40.0	39.717556	20.0	273824.0	0.992939	Y
6	STDA9 240-497502/26	60.0	63.858891	20.0	267113.0	1.064315	Y
7	STDA9 240-497502/27	80.0	82.465684	20.0	276621.0	1.030821	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

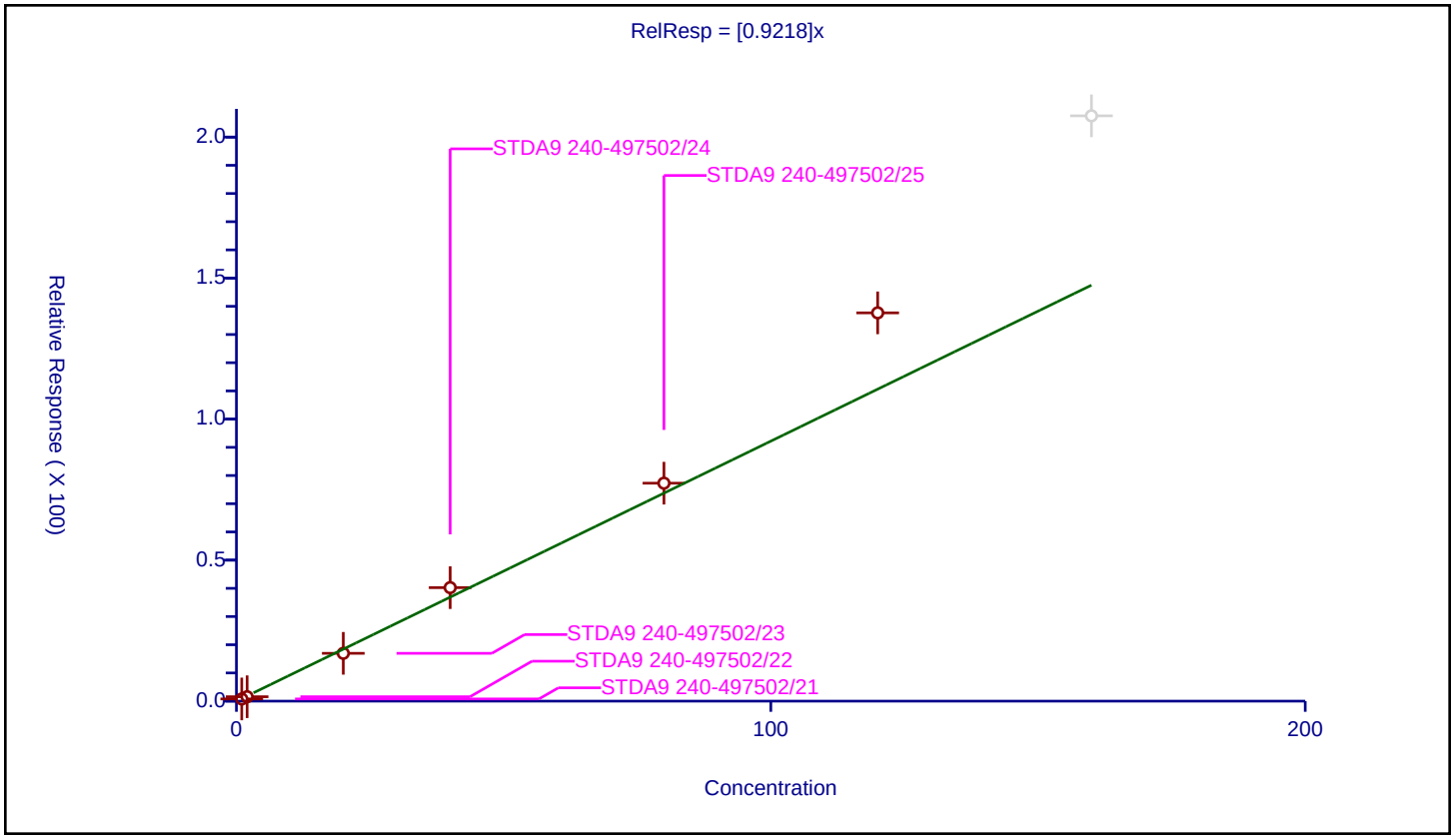
Curve Coefficients

Intercept:	0
Slope:	0.9218

Error Coefficients

Standard Error:	984000
Relative Standard Error:	15.7
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	1.0	0.782764	20.0	310413.0	0.782764	Y
2	STDA9 240-497502/22	2.0	1.561648	20.0	289489.0	0.780824	Y
3	STDA9 240-497502/23	20.0	16.957654	20.0	269233.0	0.847883	Y
4	STDA9 240-497502/24	40.0	40.2453	20.0	267835.0	1.006133	Y
5	STDA9 240-497502/25	80.0	77.286213	20.0	273824.0	0.966078	Y
6	STDA9 240-497502/26	120.0	137.682179	20.0	267113.0	1.147351	Y
7	STDA9 240-497502/27	160.0	207.535798	20.0	276621.0	1.297099	N



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

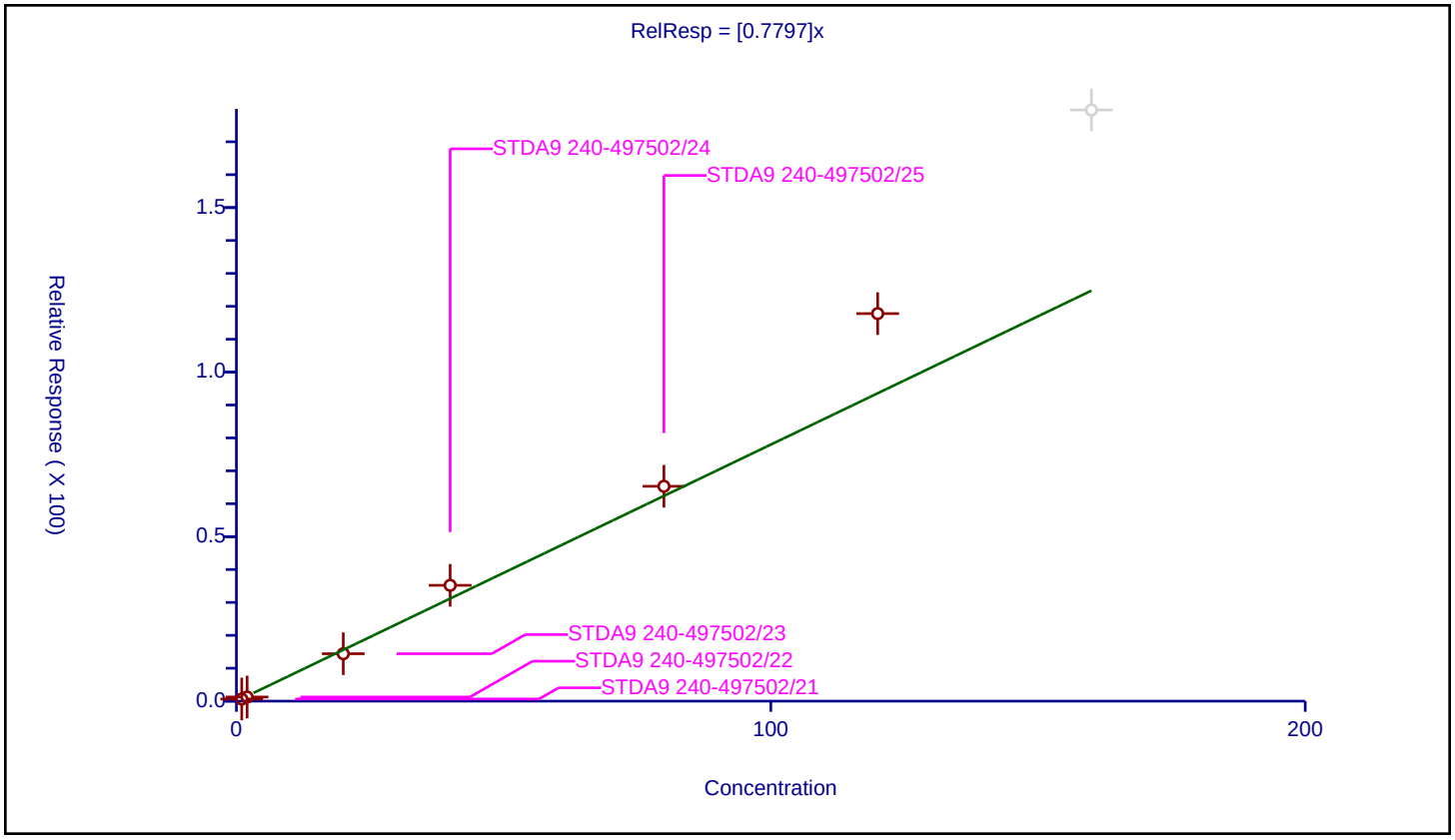
Curve Coefficients

Intercept:	0
Slope:	0.7797

Error Coefficients

Standard Error:	841000
Relative Standard Error:	17.7
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-497502/21	1.0	0.651197	20.0	310413.0	0.651197	Y
2	STDA9 240-497502/22	2.0	1.257319	20.0	289489.0	0.628659	Y
3	STDA9 240-497502/23	20.0	14.414652	20.0	269233.0	0.720733	Y
4	STDA9 240-497502/24	40.0	35.203764	20.0	267835.0	0.880094	Y
5	STDA9 240-497502/25	80.0	65.293619	20.0	273824.0	0.81617	Y
6	STDA9 240-497502/26	120.0	117.786929	20.0	267113.0	0.981558	Y
7	STDA9 240-497502/27	160.0	179.668861	20.0	276621.0	1.12293	N



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-497502/18 Calibration Date: 07/31/2021 14:39

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287168.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	0.4607	0.3735	0.1000	0.0162	0.0200	-18.9	30.0
Chloromethane	Ave	0.7847	0.6611	0.1000	0.0168	0.0200	-15.8	30.0
Butadiene	Ave	0.5239	0.4615		0.0176	0.0200	-11.9	30.0
Vinyl chloride	Ave	0.5358	0.5034	0.1000	0.0188	0.0200	-6.0	30.0
Bromomethane	Ave	0.3785	0.3466	0.0500	0.0183	0.0200	-8.4	30.0
Chloroethane	Ave	0.4234	0.3774	0.0500	0.0178	0.0200	-10.9	30.0
Dichlorofluoromethane	Ave	0.8539	0.7938		0.0186	0.0200	-7.0	30.0
Trichlorofluoromethane	Ave	0.6701	0.6452	0.1000	0.0193	0.0200	-3.7	30.0
Ethyl ether	Ave	0.3315	0.3325		0.0201	0.0200	0.3	30.0
Acrolein	Ave	0.0080	0.0157		0.196	0.100	96.3*	30.0
1,1-Dichloroethene	Ave	0.5628	0.5767	0.1000	0.0205	0.0200	2.5	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3109	0.3248	0.0500	0.0209	0.0200	4.4	30.0
Acetone	Lin1		0.0841	0.0100	0.0388	0.0400	-3.0	50.0
Iodomethane	Ave	0.4317	0.4334		0.0201	0.0200	0.4	30.0
Carbon disulfide	Ave	0.9646	1.003	0.1000	0.0208	0.0200	4.0	30.0
3-Chloro-1-propene	Ave	0.5760	0.5838		0.0203	0.0200	1.4	30.0
Methyl acetate	Ave	0.2494	0.2579	0.1000	0.0414	0.0400	3.4	50.0
Methylene Chloride	Ave	0.4939	0.4567	0.1000	0.0185	0.0200	-7.5	50.0
tert-Butyl alcohol	Lin1		0.0249		0.215	0.200	7.7	30.0
Acrylonitrile	Ave	0.1103	0.1147		0.208	0.200	4.0	30.0
Methyl tert-butyl ether	Ave	0.9596	0.9058	0.1000	0.0189	0.0200	-5.6	30.0
trans-1,2-Dichloroethene	Ave	0.5029	0.5089	0.1000	0.0202	0.0200	1.2	30.0
Hexane	Ave	0.4785	0.5111		0.0214	0.0200	6.8	30.0
1,1-Dichloroethane	Ave	0.6123	0.6088	0.2000	0.0199	0.0200	-0.6	30.0
Vinyl acetate	Ave	0.5879	0.5585		0.0190	0.0200	-5.0	30.0
2,2-Dichloropropane	Ave	0.3718	0.3451		0.0186	0.0200	-7.2	30.0
cis-1,2-Dichloroethene	Ave	0.3374	0.3249	0.1000	0.0193	0.0200	-3.7	30.0
2-Butanone	Ave	0.0379	0.0453	0.0100	0.0478	0.0400	19.6	50.0
Bromochloromethane	Ave	0.2794	0.2698		0.0193	0.0200	-3.4	30.0
Tetrahydrofuran	Ave	0.1197	0.1320		0.0441	0.0400	10.3	30.0
Chloroform	Ave	0.5344	0.5242	0.2000	0.0196	0.0200	-1.9	30.0
1,1,1-Trichloroethane	Ave	0.4740	0.4723	0.1000	0.0199	0.0200	-0.4	30.0
Cyclohexane	Ave	0.5660	0.5792	0.1000	0.0205	0.0200	2.3	30.0
1,1-Dichloropropene	Ave	0.4476	0.4541		0.0203	0.0200	1.5	30.0
Carbon tetrachloride	Ave	0.3816	0.3950	0.1000	0.0207	0.0200	3.5	30.0
Isobutyl alcohol	Ave	0.0139	0.0133		0.479	0.500	-4.2	30.0
Benzene	Ave	1.185	1.177	0.5000	0.0199	0.0200	-0.7	30.0
1,2-Dichloroethane	Ave	0.3917	0.4027	0.1000	0.0206	0.0200	2.8	30.0
n-Heptane	Lin1		0.2220		0.0214	0.0200	7.2	30.0
Trichloroethene	Ave	0.2742	0.2775	0.1500	0.0202	0.0200	1.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-497502/18 Calibration Date: 07/31/2021 14:39

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287168.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	0.5472	0.5706	0.1000	0.0209	0.0200	4.3	30.0
1,2-Dichloropropane	Ave	0.2617	0.2732	0.1000	0.0209	0.0200	4.4	30.0
Dibromomethane	Ave	0.1435	0.1496		0.0209	0.0200	4.3	30.0
1,4-Dioxane	Lin1		0.0026		0.378	0.400	-5.6	50.0
Bromodichloromethane	Ave	0.3182	0.3308	0.1500	0.0208	0.0200	3.9	30.0
2-Chloroethyl vinyl ether	Ave	0.1600	0.1919		0.0240	0.0200	20.0	30.0
cis-1,3-Dichloropropene	Ave	0.3823	0.4128	0.1500	0.0216	0.0200	8.0	50.0
4-Methyl-2-pentanone	Ave	0.4019	0.4172	0.0500	0.0415	0.0400	3.8	50.0
Toluene	Ave	1.719	1.662	0.4000	0.0193	0.0200	-3.3	30.0
trans-1,3-Dichloropropene	Ave	0.5382	0.5977	0.1000	0.0222	0.0200	11.1	30.0
Ethyl methacrylate	Ave	0.5545	0.6009		0.0217	0.0200	8.4	30.0
1,1,2-Trichloroethane	Ave	0.3002	0.3237	0.1000	0.0216	0.0200	7.8	30.0
Tetrachloroethene	Ave	0.3786	0.3931	0.1500	0.0208	0.0200	3.8	30.0
1,3-Dichloropropane	Ave	0.5940	0.6234		0.0210	0.0200	5.0	30.0
2-Hexanone	Ave	0.4571	0.4953	0.0500	0.0433	0.0400	8.4	50.0
Dibromochloromethane	Ave	0.2958	0.3168		0.0214	0.0200	7.1	30.0
1,2-Dibromoethane	Ave	0.3268	0.3389		0.0207	0.0200	3.7	30.0
Chlorobenzene	Ave	1.033	1.022	0.3000	0.0198	0.0200	-1.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3904	0.3615		0.0185	0.0200	-7.4	30.0
Ethylbenzene	Ave	0.6008	0.6081		0.0202	0.0200	1.2	30.0
m-Xylene & p-Xylene	Ave	0.7589	0.7662		0.0202	0.0200	1.0	30.0
o-Xylene	Ave	0.7721	0.7522		0.0195	0.0200	-2.6	30.0
Styrene	Ave	1.151	1.187	0.3000	0.0206	0.0200	3.1	30.0
Bromoform	Ave	0.2074	0.2209	0.1000	0.0213	0.0200	6.5	30.0
Isopropylbenzene	Ave	2.069	1.988	0.1000	0.0192	0.0200	-3.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9783	1.002	0.3000	0.0205	0.0200	2.4	30.0
Bromobenzene	Ave	0.7407	0.7604		0.0205	0.0200	2.7	30.0
1,2,3-Trichloropropane	Ave	0.3241	0.3158		0.0195	0.0200	-2.6	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3665	0.4044		0.0221	0.0200	10.3	30.0
n-Propylbenzene	Ave	0.9377	0.9493		0.0202	0.0200	1.2	30.0
2-Chlorotoluene	Ave	0.8024	0.7960		0.0198	0.0200	-0.8	30.0
1,3,5-Trimethylbenzene	Ave	2.782	2.846		0.0205	0.0200	2.3	30.0
4-Chlorotoluene	Ave	0.7856	0.8217		0.0209	0.0200	4.6	30.0
tert-Butylbenzene	Ave	2.227	2.467		0.0222	0.0200	10.8	30.0
1,2,4-Trimethylbenzene	Ave	2.830	2.874		0.0203	0.0200	1.5	30.0
sec-Butylbenzene	Ave	3.371	3.614		0.0214	0.0200	7.2	30.0
1,3-Dichlorobenzene	Ave	1.477	1.520	0.6000	0.0206	0.0200	2.8	30.0
p-Isopropyltoluene	Ave	2.875	3.025		0.0210	0.0200	5.2	30.0
1,4-Dichlorobenzene	Ave	1.549	1.558	0.5000	0.0201	0.0200	0.6	30.0
n-Butylbenzene	Ave	2.502	2.659		0.0213	0.0200	6.3	30.0
1,2-Dichlorobenzene	Ave	1.445	1.417	0.4000	0.0196	0.0200	-1.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-497502/18 Calibration Date: 07/31/2021 14:39

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287168.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	0.2053	0.1990	0.0500	0.0194	0.0200	-3.1	50.0
1,2,4-Trichlorobenzene	Ave	0.8138	0.8312	0.2000	0.0204	0.0200	2.1	50.0
Hexachlorobutadiene	Ave	0.2811	0.4041		0.0288	0.0200	43.8	50.0
Naphthalene	Ave	2.580	2.460		0.0191	0.0200	-4.7	50.0
1,2,3-Trichlorobenzene	Ave	0.7190	0.7341		0.0204	0.0200	2.1	30.0
Dibromofluoromethane (Surr)	Ave	0.2519	0.2480		0.0197	0.0200	-1.5	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2998	0.3024		0.0202	0.0200	0.9	30.0
Toluene-d8 (Surr)	Ave	1.482	1.375		0.0186	0.0200	-7.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5255	0.5319		0.0202	0.0200	1.2	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287168.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 31-Jul-2021 14:39:30 ALS Bottle#: 11 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-018
Operator ID: 001904 Instrument ID: A3UX12
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 14:07:33 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 31-Jul-2021 15:03:58

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	98	979145	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	635231	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	96	354556	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	242801	20.0	19.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	96	296122	20.0	20.2	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	873258	20.0	18.6	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	337885	20.0	20.2	
9 Dichlorodifluoromethane	85	1.404	1.403	0.001	99	365684	20.0	16.2	
10 Chloromethane	50	1.628	1.628	0.000	99	647316	20.0	16.8	M
11 Butadiene	54	1.640	1.640	0.000	92	451897	20.0	17.6	
12 Vinyl chloride	62	1.687	1.676	0.011	97	492898	20.0	18.8	
14 Bromomethane	94	1.924	1.924	0.000	92	339379	20.0	18.3	
15 Chloroethane	64	1.983	1.983	0.000	100	369493	20.0	17.8	
16 Dichlorofluoromethane	67	2.173	2.173	0.000	97	777292	20.0	18.6	
17 Trichlorofluoromethane	101	2.244	2.244	0.000	97	631784	20.0	19.3	
19 Ethyl ether	59	2.433	2.433	0.000	93	325555	20.0	20.1	
20 Acrolein	56	2.551	2.551	0.000	99	76984	100.0	196.3	
21 1,1-Dichloroethene	61	2.634	2.634	0.000	94	564641	20.0	20.5	
22 112TCTFE	101	2.658	2.658	0.000	96	317988	20.0	20.9	
23 Acetone	43	2.693	2.681	0.012	99	164694	40.0	38.8	
24 Iodomethane	142	2.788	2.788	0.000	100	424399	20.0	20.1	
25 Carbon disulfide	76	2.847	2.835	0.012	100	982010	20.0	20.8	
27 3-Chloro-1-propene	41	2.942	2.942	0.000	85	571586	20.0	20.3	
28 Methyl acetate	43	2.965	2.965	0.000	98	505033	40.0	41.4	
29 Methylene Chloride	49	3.048	3.048	0.000	98	447129	20.0	18.5	
30 2-Methyl-2-propanol	59	3.178	3.167	0.011	98	243513	200.0	215.4	
31 Acrylonitrile	53	3.273	3.273	0.000	98	1122703	200.0	207.9	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	94	498308	20.0	20.2	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	98	886878	20.0	18.9	
34 Hexane	57	3.510	3.510	0.000	95	500463	20.0	21.4	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	96	596125	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
36 Vinyl acetate	43	3.687	3.687	0.000	98	546809	20.0	19.0	
40 2,2-Dichloropropane	77	4.125	4.125	0.000	61	337896	20.0	18.6	
41 cis-1,2-Dichloroethene	96	4.125	4.137	-0.012	85	318155	20.0	19.3	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	100	88771	40.0	47.8	
46 Chlorobromomethane	49	4.326	4.326	0.000	95	264170	20.0	19.3	
47 Tetrahydrofuran	42	4.374	4.373	0.001	89	258485	40.0	44.1	
48 Chloroform	83	4.397	4.397	0.000	96	513282	20.0	19.6	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	97	462437	20.0	19.9	
50 Cyclohexane	84	4.598	4.598	0.000	93	567129	20.0	20.5	
52 Carbon tetrachloride	117	4.681	4.681	0.000	79	386800	20.0	20.7	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	89	444676	20.0	20.3	
53 Isobutyl alcohol	41	4.788	4.788	0.000	94	325223	500.0	479.2	
54 Benzene	78	4.859	4.859	0.000	98	1152164	20.0	19.9	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	394310	20.0	20.6	
57 n-Heptane	57	5.072	5.072	0.000	94	217379	20.0	21.4	
59 Trichloroethene	130	5.403	5.403	0.000	96	271695	20.0	20.2	
61 Methylcyclohexane	83	5.557	5.557	0.000	94	558676	20.0	20.9	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	89	267525	20.0	20.9	
64 Dibromomethane	174	5.699	5.699	0.000	94	146506	20.0	20.9	
65 1,4-Dioxane	88	5.723	5.711	0.011	96	51885	400.0	377.7	
66 Dichlorobromomethane	83	5.829	5.829	0.000	97	323854	20.0	20.8	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	93	187941	20.0	24.0	
69 cis-1,3-Dichloropropene	75	6.208	6.219	-0.011	91	404144	20.0	21.6	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.350	0.000	97	816998	40.0	41.5	
71 Toluene	91	6.503	6.503	0.000	98	1055458	20.0	19.3	
72 trans-1,3-Dichloropropene	75	6.705	6.705	0.000	98	379655	20.0	22.2	
74 Ethyl methacrylate	69	6.776	6.776	0.000	90	381689	20.0	21.7	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	95	205632	20.0	21.6	
76 Tetrachloroethene	166	6.989	6.989	0.000	94	249681	20.0	20.8	
77 1,3-Dichloropropane	76	7.012	7.024	-0.012	94	396010	20.0	21.0	
78 2-Hexanone	43	7.083	7.083	0.000	98	629280	40.0	43.3	
80 Chlorodibromomethane	129	7.225	7.225	0.000	90	201263	20.0	21.4	
81 Ethylene Dibromide	107	7.332	7.332	0.000	99	215295	20.0	20.7	
83 Chlorobenzene	112	7.770	7.770	0.000	92	649284	20.0	19.8	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	92	229614	20.0	18.5	
85 Ethylbenzene	106	7.876	7.876	0.000	99	386262	20.0	20.2	
86 m-Xylene & p-Xylene	106	7.983	7.983	0.001	98	486742	20.0	20.2	
87 o-Xylene	106	8.361	8.361	0.000	98	477843	20.0	19.5	
88 Styrene	104	8.373	8.373	0.000	94	754036	20.0	20.6	
89 Bromoform	173	8.551	8.550	0.001	93	140315	20.0	21.3	
90 Isopropylbenzene	105	8.704	8.704	0.000	97	1262882	20.0	19.2	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	83	355182	20.0	20.5	
92 Bromobenzene	156	9.000	9.000	0.000	98	269621	20.0	20.5	
94 1,2,3-Trichloropropane	110	9.048	9.047	0.001	87	111968	20.0	19.5	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	86	143383	20.0	22.1	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	336589	20.0	20.2	
97 2-Chlorotoluene	126	9.190	9.189	0.001	95	282216	20.0	19.8	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	95	1009207	20.0	20.5	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	291350	20.0	20.9	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	874785	20.0	22.2	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	1019000	20.0	20.3	
105 sec-Butylbenzene	105	9.805	9.805	0.000	95	1281444	20.0	21.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	9.923	9.923	0.000	97	538751	20.0	20.6	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	97	1072530	20.0	21.0	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	96	552517	20.0	20.1	
111 n-Butylbenzene	91	10.349	10.349	0.000	98	942685	20.0	21.3	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	95	502537	20.0	19.6	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	86	70548	20.0	19.4	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	93	294695	20.0	20.4	
116 Hexachlorobutadiene	225	12.136	12.136	0.000	97	143280	20.0	28.8	
117 Naphthalene	128	12.219	12.219	0.000	98	872112	20.0	19.1	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	94	260272	20.0	20.4	
S 125 Total BTEX	1				0		100.0	99.1	
S 124 Trihalomethanes, Total	1				0		80.0	83.1	
S 128 Xylenes, Total	106				0		40.0	39.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

vmfasgw_00418	Amount Added:	16.00	Units: uL	
vmfasaw_00383	Amount Added:	16.00	Units: uL	
vmfaspw_00408	Amount Added:	16.00	Units: uL	
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

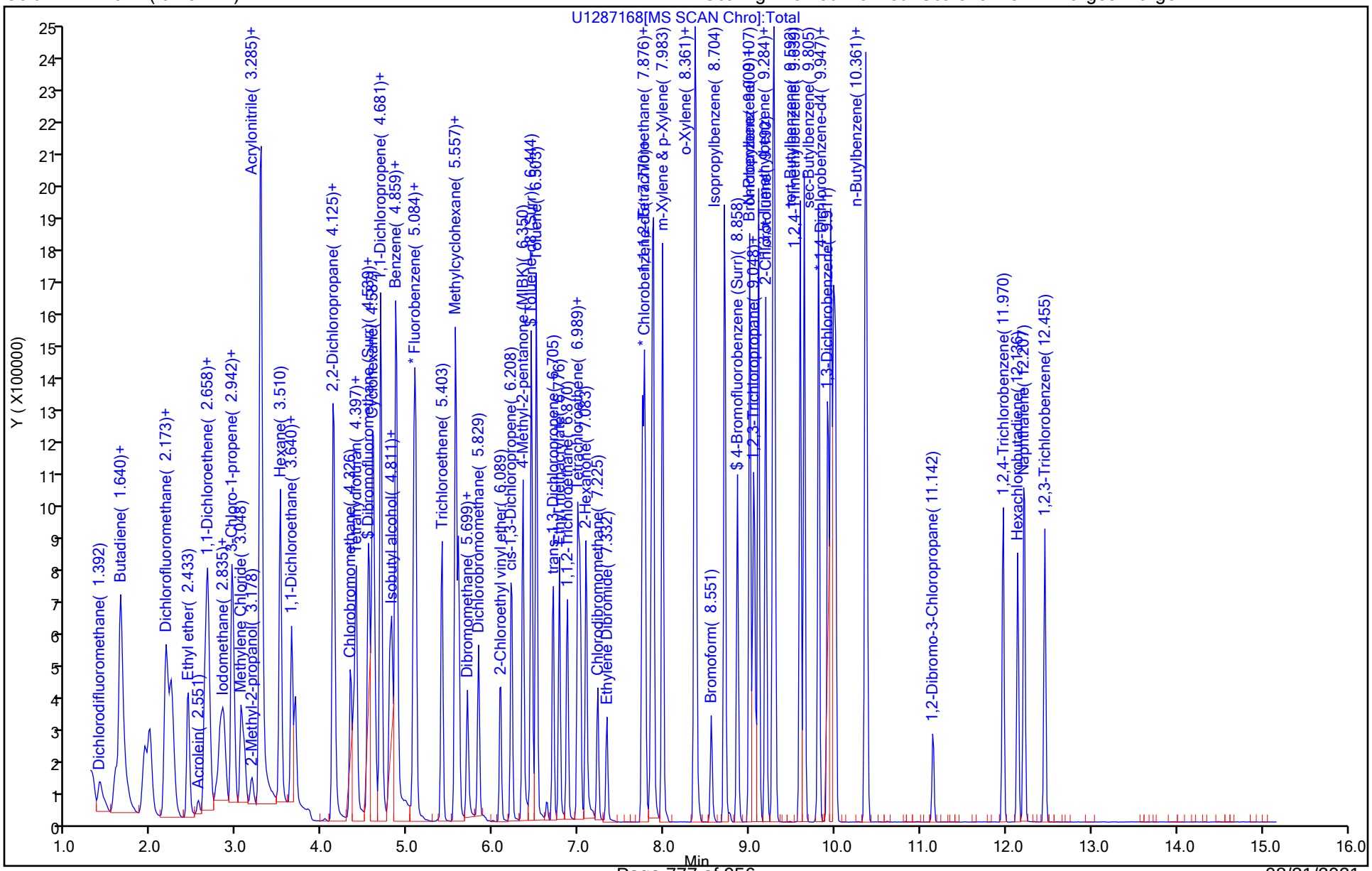
Report Date: 02-Aug-2021 14:30:56 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287168.D

Injection Date:	31-Jul-2021 14:39:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	ICV			Worklist Smp#:	18
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
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

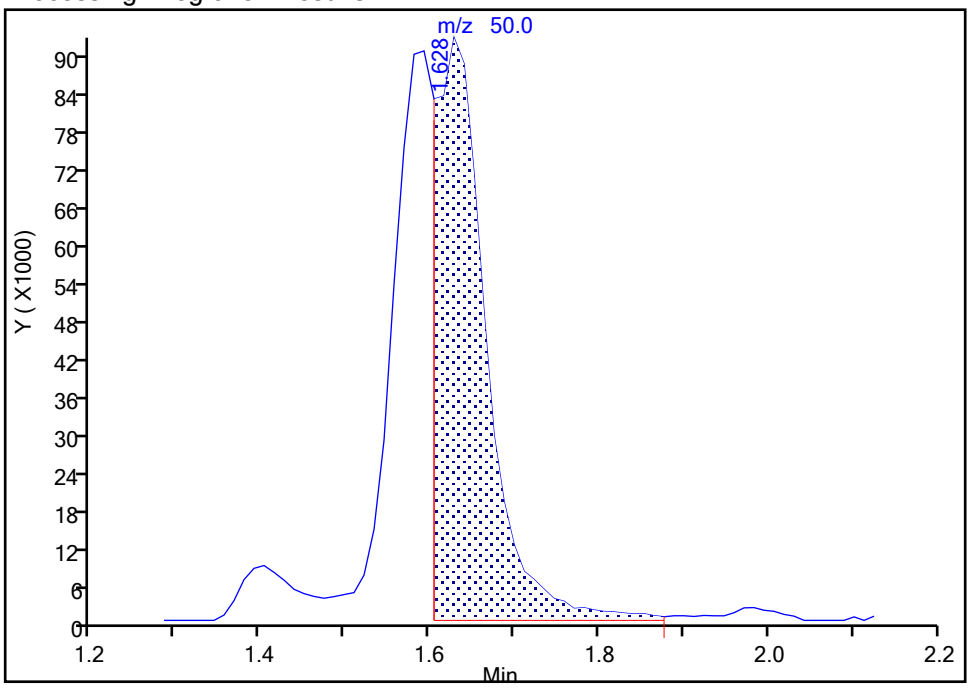
Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287168.D
Injection Date: 31-Jul-2021 14:39:30 Instrument ID: A3UX12
Lims ID: ICV
Client ID:
Operator ID: 001904 ALS Bottle#: 11 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

10 Chloromethane, CAS: 74-87-3

Signal: 1

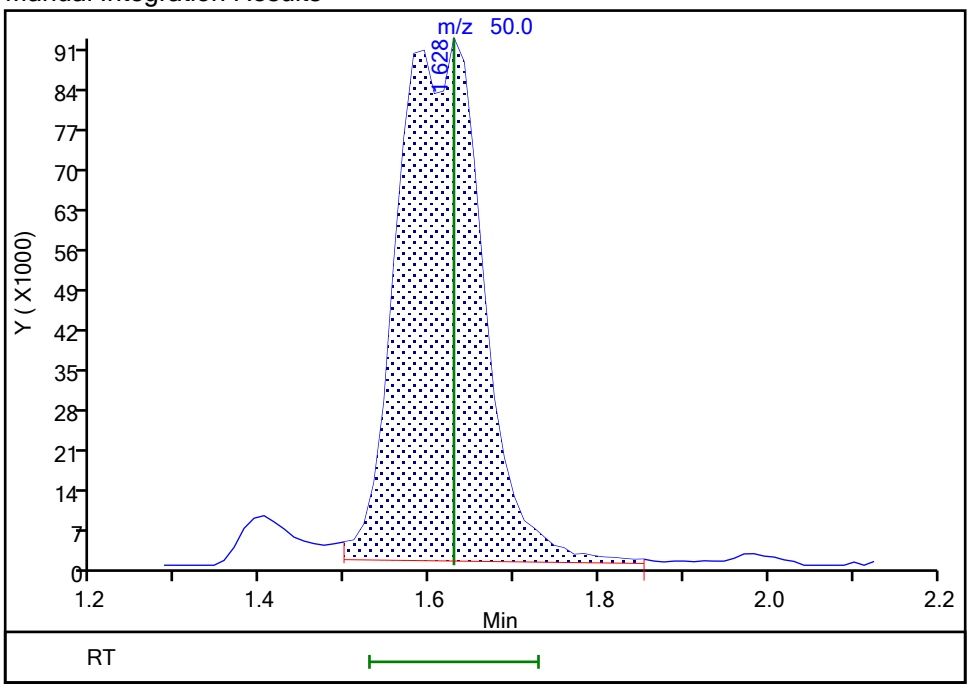
Processing Integration Results

RT: 1.63
Area: 401588
Amount: 10.453469
Amount Units: ug/l



Manual Integration Results

RT: 1.63
Area: 647316
Amount: 16.849850
Amount Units: ug/l



Reviewer: laveyt, 31-Jul-2021 15:03:34
Audit Action: Manually Integrated Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-497699/6 Calibration Date: 08/02/2021 18:21

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287184.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	0.2519	0.2668		0.0212	0.0200	5.9	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2998	0.3307		0.0221	0.0200	10.3	30.0
Toluene-d8 (Surr)	Ave	1.482	1.400		0.0189	0.0200	-5.6	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5255	0.5193		0.0198	0.0200	-1.2	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210802-111794.b\U1287184.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 02-Aug-2021 18:21:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111794-006
Operator ID: 001904 Instrument ID: A3UX12
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX12\20210802-111794.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 17:01:16 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 02-Aug-2021 19:12:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	827447	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	506809	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	285454	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	220763	20.0	21.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	93	273635	20.0	22.1	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	709296	20.0	18.9	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	263208	20.0	19.8	
26 Acetonitrile	41	2.930	2.942	-0.012	98	433415	200.0	229.4	
37 Isopropyl ether	87	3.699	3.699	0.000	93	247938	20.0	21.8	
38 2-Chloro-1,3-butadiene	53	3.711	3.711	0.000	95	552195	20.0	21.4	
39 Tert-butyl ethyl ether	59	3.995	3.995	0.000	98	1013828	20.0	22.8	
43 Ethyl acetate	43	4.184	4.184	0.000	100	556164	40.0	39.2	
44 Propionitrile	54	4.196	4.208	-0.012	98	472500	200.0	223.4	
45 Methacrylonitrile	41	4.326	4.326	0.000	95	2164083	200.0	211.1	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	97	971417	20.0	22.2	
58 n-Butanol	56	5.332	5.344	-0.012	90	299363	500.0	607.6	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	315050	20.0	20.3	
63 Methyl methacrylate	41	5.687	5.687	0.000	92	513789	40.0	43.6	
67 2-Nitropropane	41	6.030	6.030	0.000	100	185728	40.0	48.1	
79 n-Butyl acetate	43	7.201	7.201	0.000	99	476065	20.0	21.2	
82 1-Chlorohexane	91	7.746	7.746	0.000	83	321157	20.0	21.1	
91 Cyclohexanone	55	8.811	8.811	0.000	95	128259	200.0	250.9	
103 Pentachloroethane	167	9.615	9.615	0.000	90	208075	40.0	45.3	
109 1,2,3-Trimethylbenzene	105	10.053	10.053	0.000	99	932844	20.0	22.3	
110 Benzyl chloride	91	10.136	10.148	-0.012	99	609784	20.0	21.7	
114 1,3,5-Trichlorobenzene	180	11.355	11.355	0.000	96	296926	20.0	21.9	
119 2-Methylnaphthalene	142	13.402	13.414	-0.012	93	539760	40.0	41.0	
168 1-Methylnaphthalene	142	13.627	13.639	-0.012	94	425970	40.0	38.3	
169 Isooctane	57		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

VMFASA9W_00328	Amount Added:	16.00	Units: uL	
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

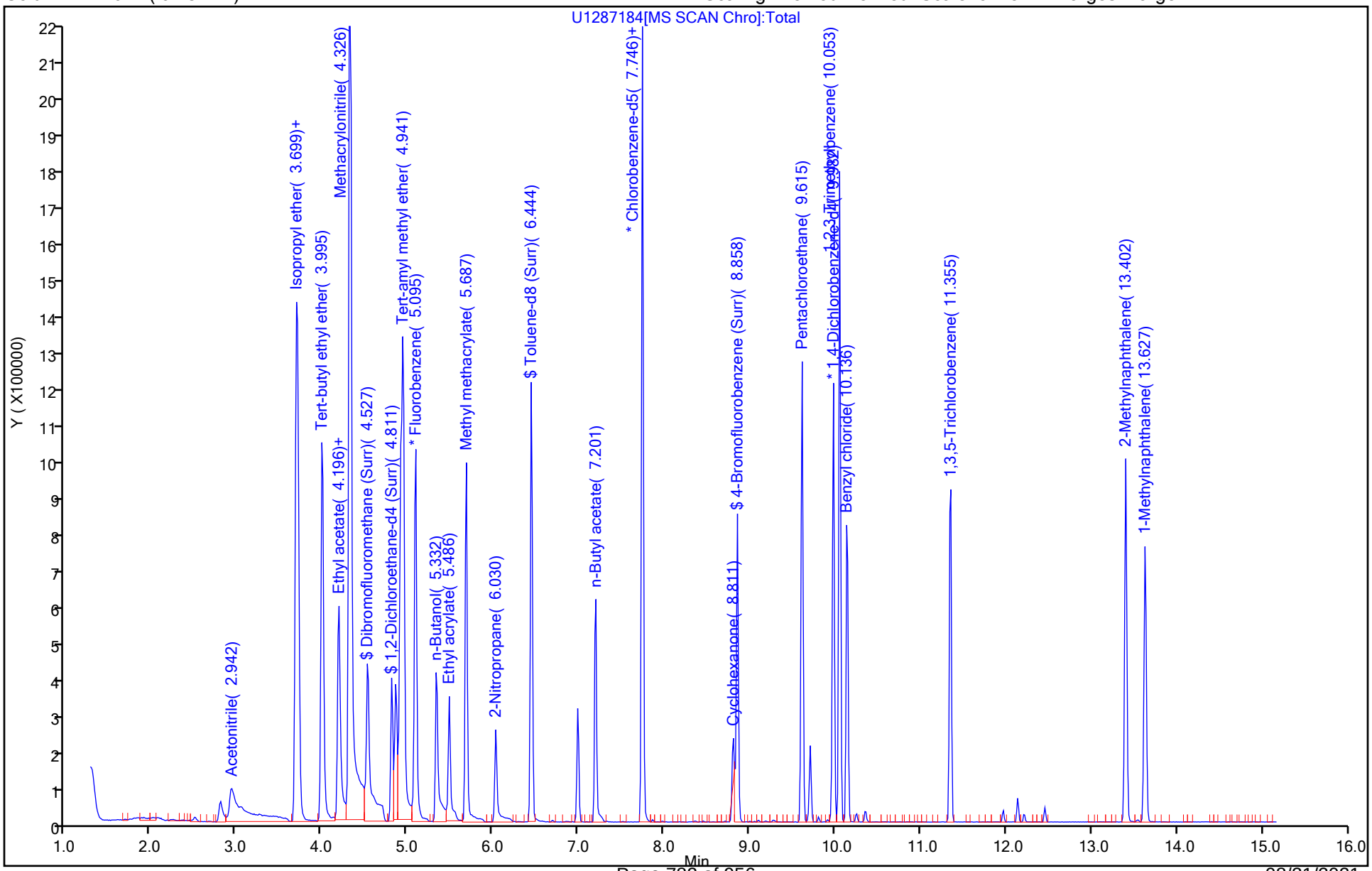
Report Date: 02-Aug-2021 19:12:12 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210802-111794.b\U1287184.D

Injection Date:	02-Aug-2021 18:21:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	ICV			Worklist Smp#:	6
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



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-497699/6 Calibration Date: 08/02/2021 18:21

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 15:46

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 17:59

Lab File ID: U1287184.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	0.0457	0.0524		0.229	0.200	14.7	30.0
Diisopropyl ether	Ave	0.2748	0.2996		0.0218	0.0200	9.0	30.0
2-Chloro-1,3-butadiene	Ave	0.6251	0.6673		0.0214	0.0200	6.8	30.0
Ethyl-t-butyl ether (ETBE)	Ave	1.077	1.225		0.0228	0.0200	13.8	30.0
Ethyl acetate	Ave	0.3431	0.3361		0.0392	0.0400	-2.1	30.0
Propionitrile	Ave	0.0511	0.0571		0.223	0.200	11.7	30.0
Methacrylonitrile	Ave	0.2478	0.2615		0.211	0.200	5.5	30.0
Tert-amyl-methyl ether (TAME)	Ave	1.056	1.174		0.0222	0.0200	11.1	30.0
n-Butanol	Ave	0.0119	0.0145		0.608	0.500	21.5	30.0
Ethyl acrylate	Ave	0.3751	0.3807		0.0203	0.0200	1.5	30.0
Methyl methacrylate	Ave	0.2848	0.3105		0.0436	0.0400	9.0	30.0
2-Nitropropane	Ave	0.0933	0.1122		0.0481	0.0400	20.2	30.0
n-Butyl acetate	Ave	0.8864	0.9393		0.0212	0.0200	6.0	30.0
1-Chlorohexane	Ave	0.6008	0.6337		0.0211	0.0200	5.5	30.0
Cyclohexanone	Ave	0.0202	0.0253		0.251	0.200	25.4	30.0
Pentachloroethane	Ave	0.3217	0.3645		0.0453	0.0400	13.3	30.0
1,2,3-Trimethylbenzene	Ave	2.930	3.268		0.0223	0.0200	11.5	30.0
Benzyl chloride	Ave	1.967	2.136		0.0217	0.0200	8.6	30.0
1,3,5-Trichlorobenzene	Ave	0.9511	1.040		0.0219	0.0200	9.4	30.0
2-Methylnaphthalene	Ave	0.9218	0.9454		0.0410	0.0400	2.6	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210802-111794.b\U1287184.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 02-Aug-2021 18:21:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111794-006
Operator ID: 001904 Instrument ID: A3UX12
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX12\20210802-111794.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 17:01:16 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 02-Aug-2021 19:12:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	827447	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	506809	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	285454	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	220763	20.0	21.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	93	273635	20.0	22.1	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	709296	20.0	18.9	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	263208	20.0	19.8	
26 Acetonitrile	41	2.930	2.942	-0.012	98	433415	200.0	229.4	
37 Isopropyl ether	87	3.699	3.699	0.000	93	247938	20.0	21.8	
38 2-Chloro-1,3-butadiene	53	3.711	3.711	0.000	95	552195	20.0	21.4	
39 Tert-butyl ethyl ether	59	3.995	3.995	0.000	98	1013828	20.0	22.8	
43 Ethyl acetate	43	4.184	4.184	0.000	100	556164	40.0	39.2	
44 Propionitrile	54	4.196	4.208	-0.012	98	472500	200.0	223.4	
45 Methacrylonitrile	41	4.326	4.326	0.000	95	2164083	200.0	211.1	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	97	971417	20.0	22.2	
58 n-Butanol	56	5.332	5.344	-0.012	90	299363	500.0	607.6	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	315050	20.0	20.3	
63 Methyl methacrylate	41	5.687	5.687	0.000	92	513789	40.0	43.6	
67 2-Nitropropane	41	6.030	6.030	0.000	100	185728	40.0	48.1	
79 n-Butyl acetate	43	7.201	7.201	0.000	99	476065	20.0	21.2	
82 1-Chlorohexane	91	7.746	7.746	0.000	83	321157	20.0	21.1	
91 Cyclohexanone	55	8.811	8.811	0.000	95	128259	200.0	250.9	
103 Pentachloroethane	167	9.615	9.615	0.000	90	208075	40.0	45.3	
109 1,2,3-Trimethylbenzene	105	10.053	10.053	0.000	99	932844	20.0	22.3	
110 Benzyl chloride	91	10.136	10.148	-0.012	99	609784	20.0	21.7	
114 1,3,5-Trichlorobenzene	180	11.355	11.355	0.000	96	296926	20.0	21.9	
119 2-Methylnaphthalene	142	13.402	13.414	-0.012	93	539760	40.0	41.0	
168 1-Methylnaphthalene	142	13.627	13.639	-0.012	94	425970	40.0	38.3	
169 Isooctane	57		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

VMFASA9W_00328	Amount Added:	16.00	Units: uL	
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

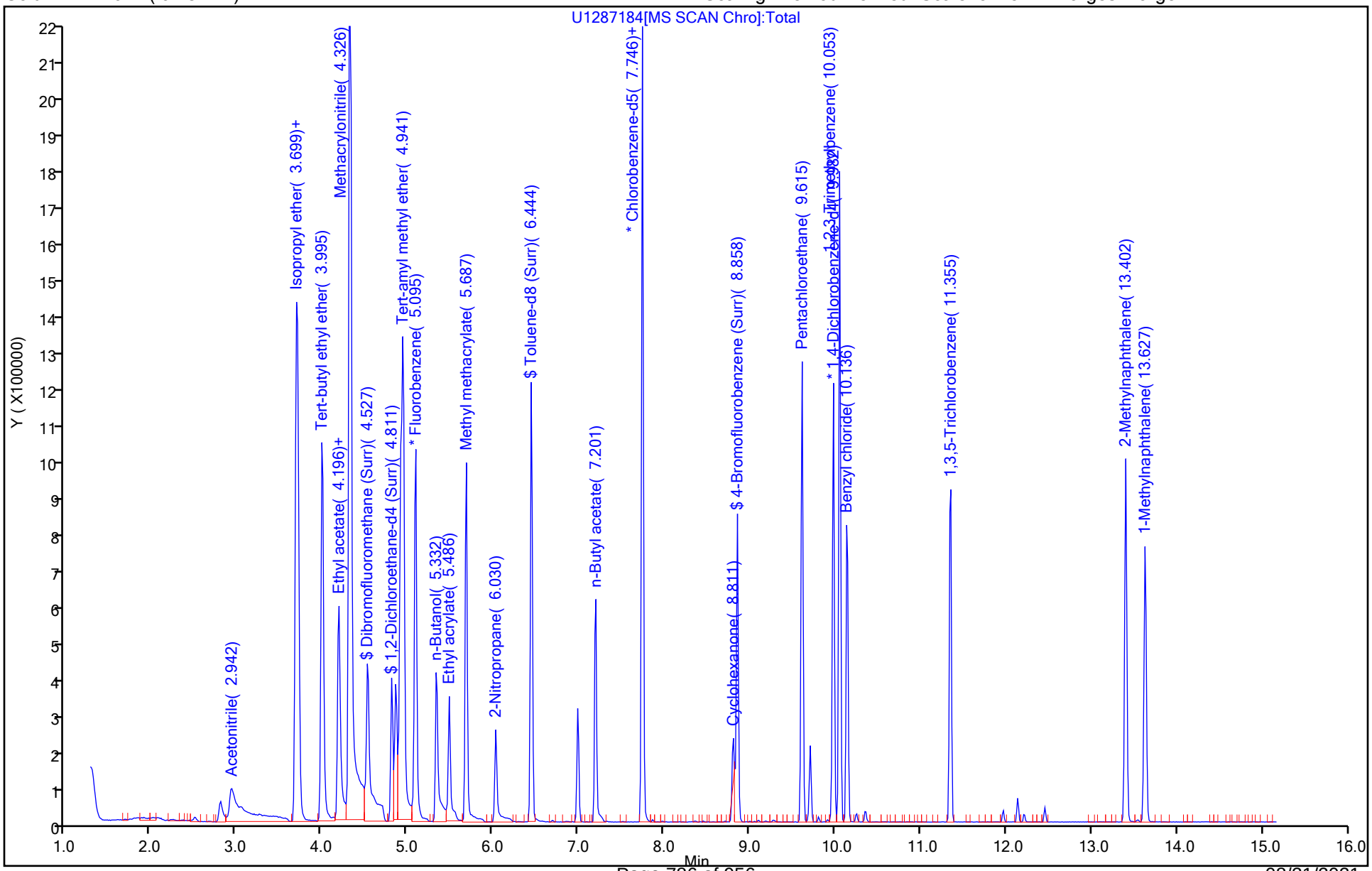
Report Date: 02-Aug-2021 19:12:12 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210802-111794.b\U1287184.D

Injection Date:	02-Aug-2021 18:21:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	ICV			Worklist Smp#:	6
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



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-500502/3 Calibration Date: 08/21/2021 12:06

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 15:46

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 17:59

Lab File ID: U1287550.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	0.0457	0.0501		0.219	0.200	9.6	20.0
Diisopropyl ether	Ave	0.2748	0.2586		0.0188	0.0200	-5.9	20.0
2-Chloro-1,3-butadiene	Ave	0.6251	0.5817		0.0186	0.0200	-6.9	20.0
Ethyl-t-butyl ether (ETBE)	Ave	1.077	0.9453		0.0176	0.0200	-12.2	20.0
Ethyl acetate	Ave	0.3431	0.4098		0.0478	0.0400	19.4	20.0
Propionitrile	Ave	0.0511	0.0596		0.233	0.200	16.5	20.0
Methacrylonitrile	Ave	0.2478	0.2720		0.220	0.200	9.8	20.0
Tert-amyl-methyl ether (TAME)	Ave	1.056	0.9949		0.0188	0.0200	-5.8	20.0
n-Butanol	Ave	0.0119	0.0129		0.541	0.500	8.2	20.0
Ethyl acrylate	Ave	0.3751	0.4634		0.0247	0.0200	23.5*	20.0
Methyl methacrylate	Ave	0.2848	0.3254		0.0457	0.0400	14.3	20.0
2-Nitropropane	Ave	0.0933	0.0861		0.0369	0.0400	-7.7	20.0
n-Butyl acetate	Ave	0.8864	0.9424		0.0213	0.0200	6.3	20.0
1-Chlorohexane	Ave	0.6008	0.6343		0.0211	0.0200	5.6	20.0
Cyclohexanone	Ave	0.0202	0.0191		0.189	0.200	-5.5	20.0
Pentachloroethane	Ave	0.3217	0.3938		0.0490	0.0400	22.4*	20.0
1,2,3-Trimethylbenzene	Ave	2.930	2.935		0.0200	0.0200	0.2	20.0
Benzyl chloride	Ave	1.967	1.990		0.0202	0.0200	1.2	20.0
1,3,5-Trichlorobenzene	Ave	0.9511	0.9240		0.0194	0.0200	-2.9	20.0
2-Methylnaphthalene	Ave	0.9218	0.8830		0.0383	0.0400	-4.2	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287550.D
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 21-Aug-2021 12:06:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112421-003
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub4

Method: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Aug-2021 12:33:31 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: laveyt Date: 21-Aug-2021 12:33:31

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	98	813093	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	518350	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	278033	20.0	20.0	
26 Acetonitrile	41	2.942	2.942	0.000	100	407129	200.0	219.3	
37 Isopropyl ether	87	3.699	3.699	0.000	93	210303	20.0	18.8	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	94	472981	20.0	18.6	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	98	768648	20.0	17.6	
43 Ethyl acetate	43	4.196	4.196	0.000	100	666334	40.0	47.8	
44 Propionitrile	54	4.208	4.208	0.000	99	484376	200.0	233.0	
45 Methacrylonitrile	41	4.326	4.326	0.000	95	2211429	200.0	219.5	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	98	808965	20.0	18.8	
58 n-Butanol	56	5.344	5.344	0.000	90	261979	500.0	541.1	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	376808	20.0	24.7	
63 Methyl methacrylate	41	5.687	5.687	0.000	91	529157	40.0	45.7	
67 2-Nitropropane	41	6.030	6.030	0.000	99	140054	40.0	36.9	
79 n-Butyl acetate	43	7.202	7.202	0.000	99	488470	20.0	21.3	
82 1-Chlorohexane	91	7.746	7.746	0.000	86	328782	20.0	21.1	
91 Cyclohexanone	55	8.811	8.811	0.000	94	98861	200.0	189.1	
103 Pentachloroethane	167	9.616	9.616	0.000	88	218968	40.0	49.0	
109 1,2,3-Trimethylbenzene	105	10.065	10.065	0.000	99	816080	20.0	20.0	
110 Benzyl chloride	91	10.148	10.148	0.000	100	553284	20.0	20.2	
114 1,3,5-Trichlorobenzene	180	11.355	11.355	0.000	95	256906	20.0	19.4	
119 2-Methylnaphthalene	142	13.414	13.414	0.000	93	491015	40.0	38.3	
168 1-Methylnaphthalene	142	13.639	13.639	0.000	94	411042	40.0	37.9	
169 Isooctane	57		0.000				ND	ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

vmra9w_00403	Amount Added: 16.00	Units: uL
vm50is_stk_a_00009	Amount Added: 2.00	Units: uL

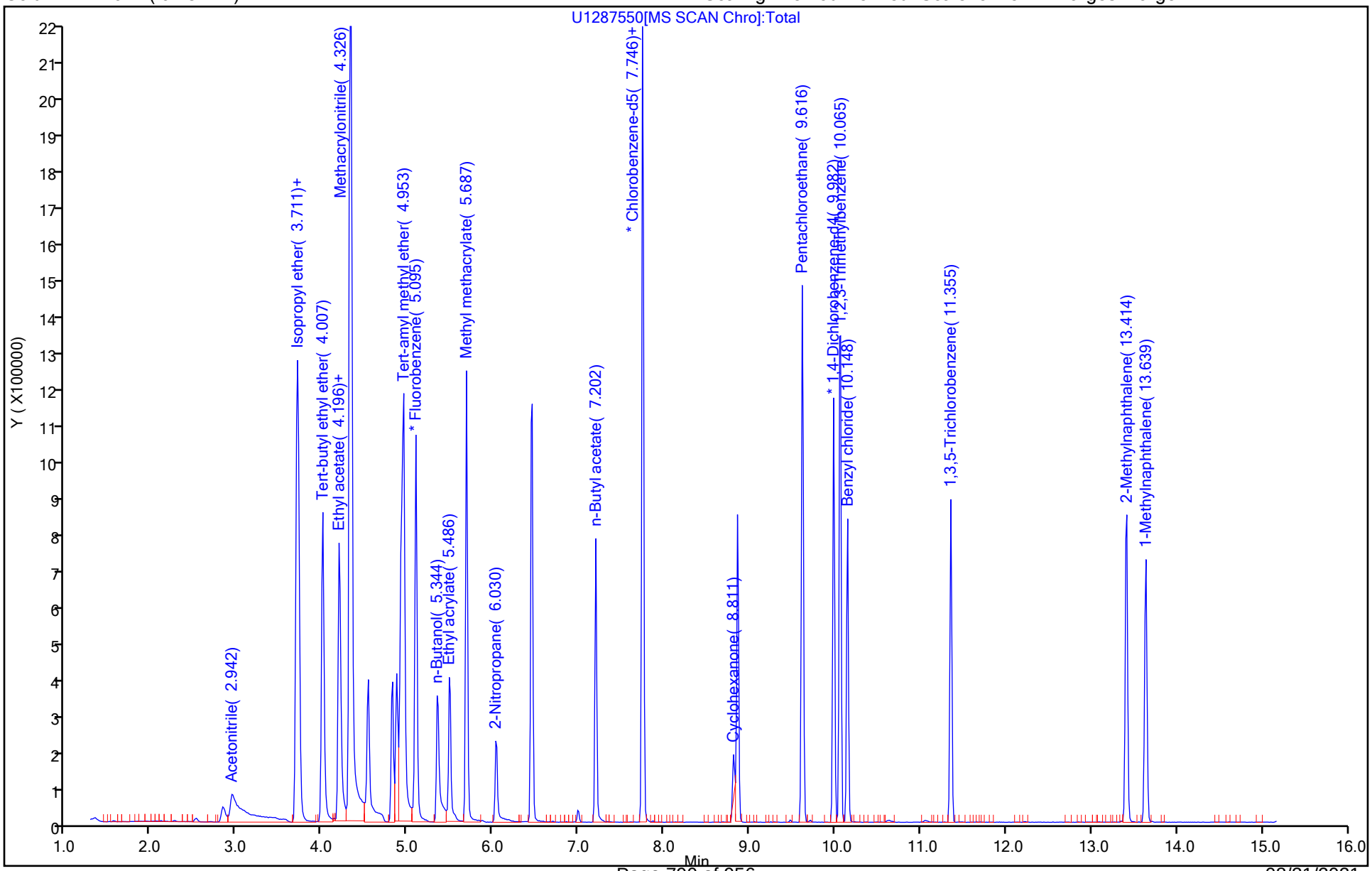
Report Date: 21-Aug-2021 12:33:32 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287550.D

Injection Date:	21-Aug-2021 12:06:30	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.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-500502/4 Calibration Date: 08/21/2021 12:28

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287551.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	0.4607	0.4434	0.1000	0.0192	0.0200	-3.8	20.0
Chloromethane	Ave	0.7847	0.7270	0.1000	0.0185	0.0200	-7.4	20.0
Butadiene	Ave	0.5239	0.5279		0.0202	0.0200	0.8	20.0
Vinyl chloride	Ave	0.5358	0.4904	0.1000	0.0183	0.0200	-8.5	20.0
Bromomethane	Ave	0.3785	0.3291	0.0500	0.0174	0.0200	-13.1	20.0
Chloroethane	Ave	0.4234	0.3701	0.0500	0.0175	0.0200	-12.6	20.0
Dichlorofluoromethane	Ave	0.8539	0.7645		0.0179	0.0200	-10.5	20.0
Trichlorofluoromethane	Ave	0.6701	0.6249	0.1000	0.0187	0.0200	-6.7	20.0
Ethyl ether	Ave	0.3315	0.3423		0.0207	0.0200	3.3	20.0
Acrolein	Ave	0.0080	0.0257		0.320	0.100	220.4*	20.0
1,1-Dichloroethene	Ave	0.5628	0.5800	0.1000	0.0206	0.0200	3.1	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3109	0.3394	0.0500	0.0218	0.0200	9.1	20.0
Acetone	Lin1		0.1060	0.0100	0.0495	0.0400	23.7	50.0
Iodomethane	Ave	0.4317	0.4697		0.0218	0.0200	8.8	20.0
Carbon disulfide	Ave	0.9646	1.059	0.1000	0.0220	0.0200	9.8	20.0
3-Chloro-1-propene	Ave	0.5760	0.5964		0.0207	0.0200	3.5	20.0
Methyl acetate	Ave	0.2494	0.3016	0.1000	0.0484	0.0400	21.0	50.0
Methylene Chloride	Ave	0.4939	0.4809	0.1000	0.0195	0.0200	-2.6	50.0
tert-Butyl alcohol	Lin1		0.0309		0.270	0.200	35.0*	20.0
Acrylonitrile	Ave	0.1103	0.1373		0.249	0.200	24.5*	20.0
Methyl tert-butyl ether	Ave	0.9596	0.9794	0.1000	0.0204	0.0200	2.1	20.0
trans-1,2-Dichloroethene	Ave	0.5029	0.5390	0.1000	0.0214	0.0200	7.2	20.0
Hexane	Ave	0.4785	0.5396		0.0226	0.0200	12.8	20.0
1,1-Dichloroethane	Ave	0.6123	0.6585	0.2000	0.0215	0.0200	7.5	20.0
Vinyl acetate	Ave	0.5879	0.7194		0.0245	0.0200	22.4*	20.0
2,2-Dichloropropane	Ave	0.3718	0.4110		0.0221	0.0200	10.5	20.0
cis-1,2-Dichloroethene	Ave	0.3374	0.3717	0.1000	0.0220	0.0200	10.1	20.0
2-Butanone	Ave	0.0379	0.0567	0.0100	0.0598	0.0400	49.6	50.0
Bromochloromethane	Ave	0.2794	0.2993		0.0214	0.0200	7.1	20.0
Tetrahydrofuran	Ave	0.1197	0.1550		0.0518	0.0400	29.5*	20.0
Chloroform	Ave	0.5344	0.5723	0.2000	0.0214	0.0200	7.1	20.0
1,1,1-Trichloroethane	Ave	0.4740	0.5187	0.1000	0.0219	0.0200	9.4	20.0
Cyclohexane	Ave	0.5660	0.6255	0.1000	0.0221	0.0200	10.5	20.0
1,1-Dichloropropene	Ave	0.4476	0.4818		0.0215	0.0200	7.6	20.0
Carbon tetrachloride	Ave	0.3816	0.4197	0.1000	0.0220	0.0200	10.0	20.0
Isobutyl alcohol	Ave	0.0139	0.0165		0.597	0.500	19.4	20.0
Benzene	Ave	1.185	1.280	0.5000	0.0216	0.0200	8.0	20.0
1,2-Dichloroethane	Ave	0.3917	0.4230	0.1000	0.0216	0.0200	8.0	20.0
n-Heptane	Lin1		0.2237		0.0216	0.0200	8.2	20.0
Trichloroethene	Ave	0.2742	0.2921	0.1500	0.0213	0.0200	6.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-500502/4 Calibration Date: 08/21/2021 12:28

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287551.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	0.5472	0.6113	0.1000	0.0223	0.0200	11.7	20.0
1,2-Dichloropropane	Ave	0.2617	0.2786	0.1000	0.0213	0.0200	6.5	20.0
Dibromomethane	Ave	0.1435	0.1653		0.0230	0.0200	15.2	20.0
1,4-Dioxane	Lin1		0.0030		0.423	0.400	5.7	50.0
Bromodichloromethane	Ave	0.3182	0.3457	0.1500	0.0217	0.0200	8.6	20.0
2-Chloroethyl vinyl ether	Ave	0.1600	0.1908		0.0477	0.0400	19.3	20.0
cis-1,3-Dichloropropene	Ave	0.3823	0.4208	0.1500	0.0220	0.0200	10.1	50.0
4-Methyl-2-pentanone	Ave	0.4019	0.4538	0.0500	0.0452	0.0400	12.9	50.0
Toluene	Ave	1.719	1.733	0.4000	0.0202	0.0200	0.9	20.0
trans-1,3-Dichloropropene	Ave	0.5382	0.5489	0.1000	0.0204	0.0200	2.0	20.0
Ethyl methacrylate	Ave	0.5545	0.5783		0.0209	0.0200	4.3	20.0
1,1,2-Trichloroethane	Ave	0.3002	0.3181	0.1000	0.0212	0.0200	6.0	20.0
Tetrachloroethene	Ave	0.3786	0.3984	0.1500	0.0210	0.0200	5.2	20.0
1,3-Dichloropropane	Ave	0.5940	0.6102		0.0205	0.0200	2.7	20.0
2-Hexanone	Ave	0.4571	0.5187	0.0500	0.0454	0.0400	13.5	50.0
Dibromochloromethane	Ave	0.2958	0.2945		0.0199	0.0200	-0.4	20.0
1,2-Dibromoethane	Ave	0.3268	0.3293		0.0202	0.0200	0.8	20.0
Chlorobenzene	Ave	1.033	1.032	0.3000	0.0200	0.0200	-0.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3904	0.3721		0.0191	0.0200	-4.7	20.0
Ethylbenzene	Ave	0.6008	0.6044		0.0201	0.0200	0.6	20.0
m-Xylene & p-Xylene	Ave	0.7589	0.7498		0.0198	0.0200	-1.2	20.0
o-Xylene	Ave	0.7721	0.7600		0.0197	0.0200	-1.6	20.0
Styrene	Ave	1.151	1.157	0.3000	0.0201	0.0200	0.5	20.0
Bromoform	Ave	0.2074	0.2028	0.1000	0.0196	0.0200	-2.2	20.0
Isopropylbenzene	Ave	2.069	2.061	0.1000	0.0199	0.0200	-0.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9783	1.030	0.3000	0.0211	0.0200	5.3	20.0
Bromobenzene	Ave	0.7407	0.7563		0.0204	0.0200	2.1	20.0
1,2,3-Trichloropropane	Ave	0.3241	0.3547		0.0219	0.0200	9.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3665	0.3014		0.0164	0.0200	-17.8	20.0
n-Propylbenzene	Ave	0.9377	1.001		0.0213	0.0200	6.7	20.0
2-Chlorotoluene	Ave	0.8024	0.8081		0.0201	0.0200	0.7	20.0
1,3,5-Trimethylbenzene	Ave	2.782	2.938		0.0211	0.0200	5.6	20.0
4-Chlorotoluene	Ave	0.7856	0.8103		0.0206	0.0200	3.1	20.0
tert-Butylbenzene	Ave	2.227	2.354		0.0211	0.0200	5.7	20.0
1,2,4-Trimethylbenzene	Ave	2.830	2.976		0.0210	0.0200	5.2	20.0
sec-Butylbenzene	Ave	3.371	3.591		0.0213	0.0200	6.5	20.0
1,3-Dichlorobenzene	Ave	1.477	1.487	0.6000	0.0201	0.0200	0.7	20.0
p-Isopropyltoluene	Ave	2.875	3.039		0.0211	0.0200	5.7	20.0
1,4-Dichlorobenzene	Ave	1.549	1.512	0.5000	0.0195	0.0200	-2.4	20.0
n-Butylbenzene	Ave	2.502	2.645		0.0211	0.0200	5.7	20.0
1,2-Dichlorobenzene	Ave	1.445	1.441	0.4000	0.0199	0.0200	-0.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-500502/4 Calibration Date: 08/21/2021 12:28

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287551.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	0.2053	0.2338	0.0500	0.0228	0.0200	13.9	50.0
1,2,4-Trichlorobenzene	Ave	0.8138	0.8085	0.2000	0.0199	0.0200	-0.7	50.0
Hexachlorobutadiene	Ave	0.2811	0.2582		0.0184	0.0200	-8.1	50.0
Naphthalene	Ave	2.580	2.777		0.0215	0.0200	7.6	50.0
1,2,3-Trichlorobenzene	Ave	0.7190	0.7209		0.0201	0.0200	0.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2519	0.2585		0.0205	0.0200	2.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2998	0.3212		0.0214	0.0200	7.1	20.0
Toluene-d8 (Surr)	Ave	1.482	1.342		0.0181	0.0200	-9.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5255	0.5013		0.0191	0.0200	-4.6	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287551.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 21-Aug-2021 12:28:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112421-004
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Aug-2021 12:49:52 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: laveyt Date: 21-Aug-2021 12:49:52

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	98	749763	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	87	510238	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	94	276160	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.539	0.000	92	193819	20.0	20.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	96	240799	20.0	21.4	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	684566	20.0	18.1	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	255766	20.0	19.1	
9 Dichlorodifluoromethane	85	1.415	1.415	0.000	99	332431	20.0	19.2	
10 Chloromethane	50	1.640	1.640	0.000	100	545082	20.0	18.5	M
11 Butadiene	54	1.652	1.652	0.000	90	395765	20.0	20.2	
12 Vinyl chloride	62	1.688	1.688	0.000	98	367654	20.0	18.3	
14 Bromomethane	94	1.936	1.936	0.000	92	246757	20.0	17.4	
15 Chloroethane	64	1.983	1.983	0.000	100	277520	20.0	17.5	
16 Dichlorofluoromethane	67	2.184	2.184	0.000	100	573185	20.0	17.9	
17 Trichlorofluoromethane	101	2.255	2.255	0.000	98	468552	20.0	18.7	
19 Ethyl ether	59	2.433	2.433	0.000	94	256668	20.0	20.7	
20 Acrolein	56	2.551	2.551	0.000	99	96228	100.0	320.4	
21 1,1-Dichloroethene	61	2.646	2.646	0.000	95	434890	20.0	20.6	
22 112TCTFE	101	2.670	2.670	0.000	98	254460	20.0	21.8	
23 Acetone	43	2.693	2.693	0.000	99	158955	40.0	49.5	
24 Iodomethane	142	2.800	2.800	0.000	99	352129	20.0	21.8	
25 Carbon disulfide	76	2.847	2.847	0.000	100	794349	20.0	22.0	
27 3-Chloro-1-propene	41	2.954	2.954	0.000	87	447150	20.0	20.7	
28 Methyl acetate	43	2.977	2.977	0.000	98	452288	40.0	48.4	
29 Methylene Chloride	49	3.060	3.060	0.000	96	360582	20.0	19.5	
30 2-Methyl-2-propanol	59	3.178	3.178	0.000	98	231477	200.0	270.1	
31 Acrylonitrile	53	3.273	3.273	0.000	98	1029573	200.0	249.0	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	97	734319	20.0	20.4	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	95	404089	20.0	21.4	
34 Hexane	57	3.510	3.510	0.000	93	404567	20.0	22.6	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	97	493704	20.0	21.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	3.687	3.687	0.000	97	539415	20.0	24.5	
40 2,2-Dichloropropane	77	4.137	4.137	0.000	63	308143	20.0	22.1	
41 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	87	278662	20.0	22.0	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	100	85020	40.0	59.8	
46 Chlorobromomethane	49	4.338	4.338	0.000	96	224371	20.0	21.4	
47 Tetrahydrofuran	42	4.374	4.374	0.000	87	232387	40.0	51.8	
48 Chloroform	83	4.397	4.397	0.000	98	429054	20.0	21.4	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	97	388902	20.0	21.9	
50 Cyclohexane	84	4.598	4.598	0.000	92	468976	20.0	22.1	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	91	361201	20.0	21.5	
52 Carbon tetrachloride	117	4.693	4.693	0.000	81	314656	20.0	22.0	
53 Isobutyl alcohol	41	4.800	4.800	0.000	94	310122	500.0	596.8	
54 Benzene	78	4.859	4.859	0.000	97	959784	20.0	21.6	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	317169	20.0	21.6	
57 n-Heptane	57	5.072	5.072	0.000	91	167725	20.0	21.6	
59 Trichloroethene	130	5.403	5.403	0.000	96	218985	20.0	21.3	
61 Methylcyclohexane	83	5.569	5.569	0.000	93	458360	20.0	22.3	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	87	208892	20.0	21.3	
64 Dibromomethane	174	5.699	5.699	0.000	95	123900	20.0	23.0	
65 1,4-Dioxane	88	5.734	5.734	0.000	96	44686	400.0	422.8	
66 Dichlorobromomethane	83	5.829	5.829	0.000	98	259160	20.0	21.7	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	93	286167	40.0	47.7	
69 cis-1,3-Dichloropropene	75	6.220	6.220	0.000	92	315493	20.0	22.0	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.350	0.000	97	680510	40.0	45.2	
71 Toluene	91	6.504	6.504	0.000	98	884491	20.0	20.2	
72 trans-1,3-Dichloropropene	75	6.705	6.705	0.000	97	280064	20.0	20.4	
74 Ethyl methacrylate	69	6.776	6.776	0.000	90	295096	20.0	20.9	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	95	162322	20.0	21.2	
76 Tetrachloroethene	166	6.989	6.989	0.000	95	203270	20.0	21.0	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	93	311365	20.0	20.5	
78 2-Hexanone	43	7.083	7.083	0.000	98	529358	40.0	45.4	
80 Chlorodibromomethane	129	7.225	7.225	0.000	91	150284	20.0	19.9	
81 Ethylene Dibromide	107	7.332	7.332	0.000	99	168030	20.0	20.2	
83 Chlorobenzene	112	7.781	7.781	0.000	92	526327	20.0	20.0	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	92	189881	20.0	19.1	
85 Ethylbenzene	106	7.876	7.876	0.000	99	308393	20.0	20.1	
86 m-Xylene & p-Xylene	106	7.983	7.983	0.000	97	382584	20.0	19.8	
87 o-Xylene	106	8.361	8.361	0.000	97	387801	20.0	19.7	
88 Styrene	104	8.373	8.373	0.000	95	590420	20.0	20.1	
89 Bromoform	173	8.551	8.551	0.000	94	103454	20.0	19.6	
90 Isopropylbenzene	105	8.704	8.704	0.000	97	1051757	20.0	19.9	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	85	284523	20.0	21.1	
92 Bromobenzene	156	9.000	9.000	0.000	97	208870	20.0	20.4	
94 1,2,3-Trichloropropane	110	9.048	9.048	0.000	88	97964	20.0	21.9	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	83	83222	20.0	16.4	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	276426	20.0	21.3	
97 2-Chlorotoluene	126	9.190	9.190	0.000	95	223169	20.0	20.1	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	811286	20.0	21.1	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	223767	20.0	20.6	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	650063	20.0	21.1	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	821974	20.0	21.0	
105 sec-Butylbenzene	105	9.805	9.805	0.000	95	991706	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
106 1,3-Dichlorobenzene	146	9.923	9.923	0.000	98	410715	20.0	20.1	
107 4-Isopropyltoluene	119	9.959	9.959	0.000	97	839300	20.0	21.1	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	92	417656	20.0	19.5	
111 n-Butylbenzene	91	10.361	10.361	0.000	98	730378	20.0	21.1	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	95	398006	20.0	19.9	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	90	64579	20.0	22.8	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	93	223267	20.0	19.9	
116 Hexachlorobutadiene	225	12.148	12.148	0.000	97	71315	20.0	18.4	
117 Naphthalene	128	12.219	12.219	0.000	98	766809	20.0	21.5	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	94	199097	20.0	20.1	
S 125 Total BTEX	1				0		100.0	101.3	
S 124 Trihalomethanes, Total	1				0		80.0	82.6	
S 128 Xylenes, Total	106				0		40.0	39.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

vmarolistdw_00405	Amount Added:	16.00	Units: uL	
vmrprimw_00448	Amount Added:	16.00	Units: uL	
vmrgas_00397	Amount Added:	16.00	Units: uL	
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

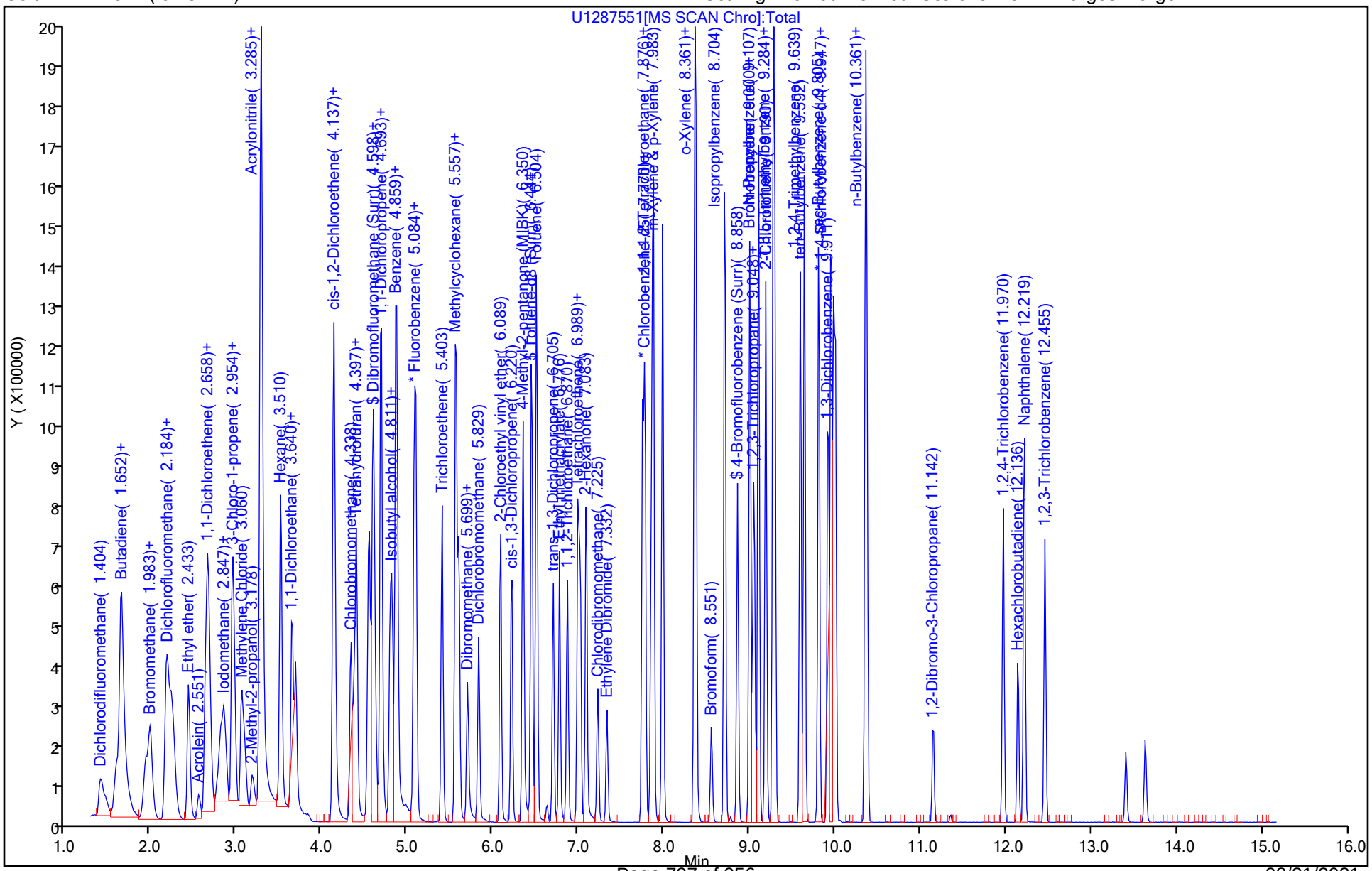
Report Date: 21-Aug-2021 12:49:54 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287551.D

Injection Date:	21-Aug-2021 12:28:30	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



Eurofins TestAmerica, Canton

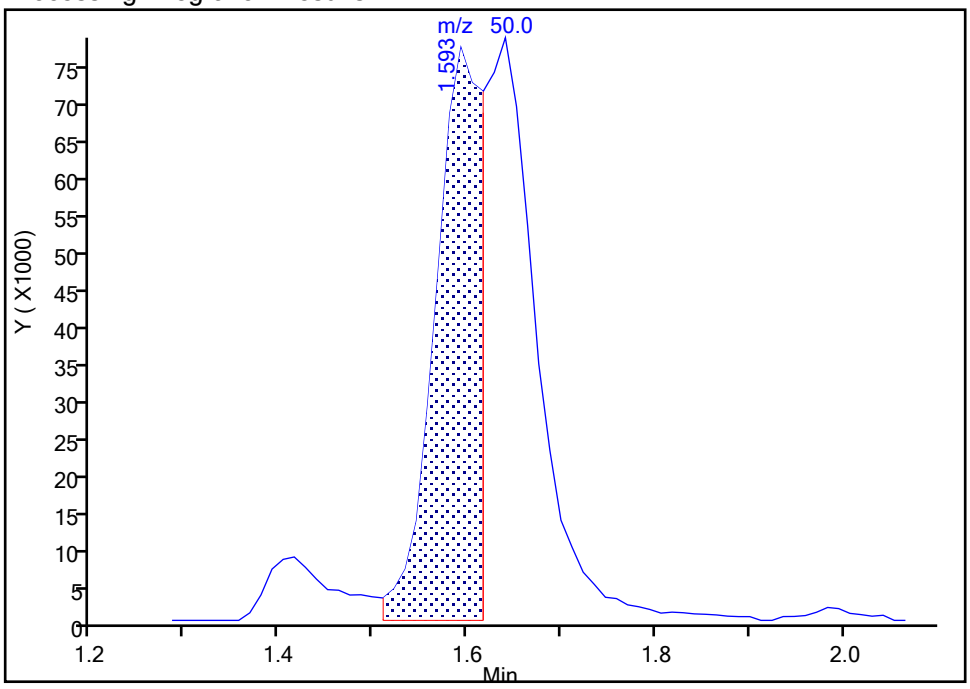
Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287551.D
Injection Date: 21-Aug-2021 12:28:30 Instrument ID: A3UX12
Lims ID: CCVIS
Client ID:
Operator ID: 001904 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

10 Chloromethane, CAS: 74-87-3

Signal: 1

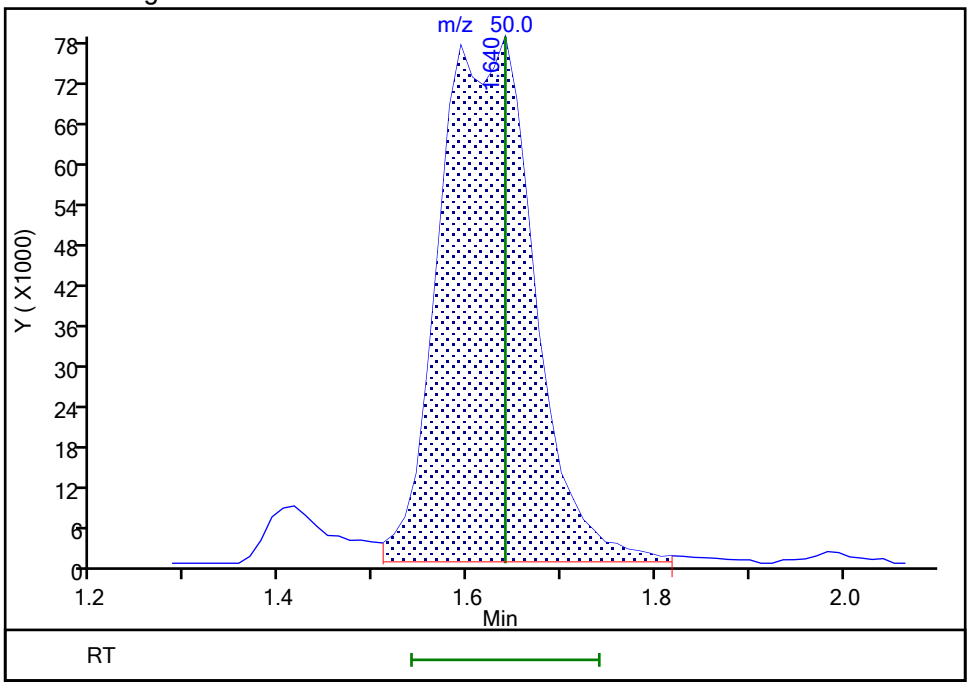
Processing Integration Results

RT: 1.59
Area: 279158
Amount: 9.489707
Amount Units: ug/l



Manual Integration Results

RT: 1.64
Area: 545082
Amount: 18.529536
Amount Units: ug/l



Reviewer: laveyt, 21-Aug-2021 12:48:35
Audit Action: Manually Integrated Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-500679/3 Calibration Date: 08/23/2021 17:06

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 15:46

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 17:59

Lab File ID: U1287582.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	0.0457	0.0779		0.341	0.200	70.6*	20.0
Diisopropyl ether	Ave	0.2748	0.2870		0.0209	0.0200	4.4	20.0
2-Chloro-1,3-butadiene	Ave	0.6251	0.6073		0.0194	0.0200	-2.8	20.0
Ethyl-t-butyl ether (ETBE)	Ave	1.077	1.071		0.0199	0.0200	-0.5	20.0
Ethyl acetate	Ave	0.3431	0.3473		0.0405	0.0400	1.2	20.0
Propionitrile	Ave	0.0511	0.0813		0.318	0.200	59.0*	20.0
Methacrylonitrile	Ave	0.2478	0.2722		0.220	0.200	9.9	20.0
Tert-amyl-methyl ether (TAME)	Ave	1.056	1.176		0.0223	0.0200	11.4	20.0
n-Butanol	Ave	0.0119	0.0160		0.671	0.500	34.1*	20.0
Ethyl acrylate	Ave	0.3751	0.3809		0.0203	0.0200	1.6	20.0
Methyl methacrylate	Ave	0.2848	0.2910		0.0409	0.0400	2.2	20.0
2-Nitropropane	Ave	0.0933	0.0896		0.0384	0.0400	-4.0	20.0
n-Butyl acetate	Ave	0.8864	0.8829		0.0199	0.0200	-0.4	20.0
1-Chlorohexane	Ave	0.6008	0.6080		0.0202	0.0200	1.2	20.0
Cyclohexanone	Ave	0.0202	0.0280		0.278	0.200	39.0*	20.0
Pentachloroethane	Ave	0.3217	0.4414		0.0549	0.0400	37.2*	20.0
1,2,3-Trimethylbenzene	Ave	2.930	3.187		0.0218	0.0200	8.8	20.0
Benzyl chloride	Ave	1.967	2.213		0.0225	0.0200	12.5	20.0
1,3,5-Trichlorobenzene	Ave	0.9511	1.022		0.0215	0.0200	7.5	20.0
2-Methylnaphthalene	Ave	0.9218	1.106		0.0480	0.0400	20.0	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287582.D
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 23-Aug-2021 17:06:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-003
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub4

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 17:35:18 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 17:35:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	771948	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	475431	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	245485	20.0	20.0	
26 Acetonitrile	41	2.930	2.930	0.000	100	601351	200.0	341.2	
37 Isopropyl ether	87	3.699	3.699	0.000	93	221558	20.0	20.9	
38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	94	468797	20.0	19.4	
39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	98	826659	20.0	19.9	
43 Ethyl acetate	43	4.196	4.196	0.000	100	536225	40.0	40.5	
44 Propionitrile	54	4.208	4.208	0.000	98	627723	200.0	318.1	
45 Methacrylonitrile	41	4.326	4.326	0.000	94	2101537	200.0	219.7	
56 Tert-amyl methyl ether	73	4.953	4.953	0.000	98	908139	20.0	22.3	
58 n-Butanol	56	5.344	5.344	0.000	88	308180	500.0	670.5	
60 Ethyl acrylate	55	5.486	5.486	0.000	99	294051	20.0	20.3	
63 Methyl methacrylate	41	5.687	5.687	0.000	90	449350	40.0	40.9	
67 2-Nitropropane	41	6.030	6.030	0.000	98	138288	40.0	38.4	
79 n-Butyl acetate	43	7.202	7.202	0.000	99	419775	20.0	19.9	
82 1-Chlorohexane	91	7.746	7.746	0.000	85	289079	20.0	20.2	
91 Cyclohexanone	55	8.811	8.811	0.000	94	133314	200.0	278.0	
103 Pentachloroethane	167	9.615	9.615	0.000	89	216699	40.0	54.9	
109 1,2,3-Trimethylbenzene	105	10.053	10.053	0.000	99	782271	20.0	21.8	
110 Benzyl chloride	91	10.148	10.148	0.000	99	543342	20.0	22.5	
114 1,3,5-Trichlorobenzene	180	11.355	11.355	0.000	96	250895	20.0	21.5	
119 2-Methylnaphthalene	142	13.414	13.414	0.000	93	542980	40.0	48.0	
168 1-Methylnaphthalene	142	13.639	13.639	0.000	94	457625	40.0	47.8	
169 Isooctane	57		0.000				ND	ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

vmra9w_00403	Amount Added:	16.00	Units: uL
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL

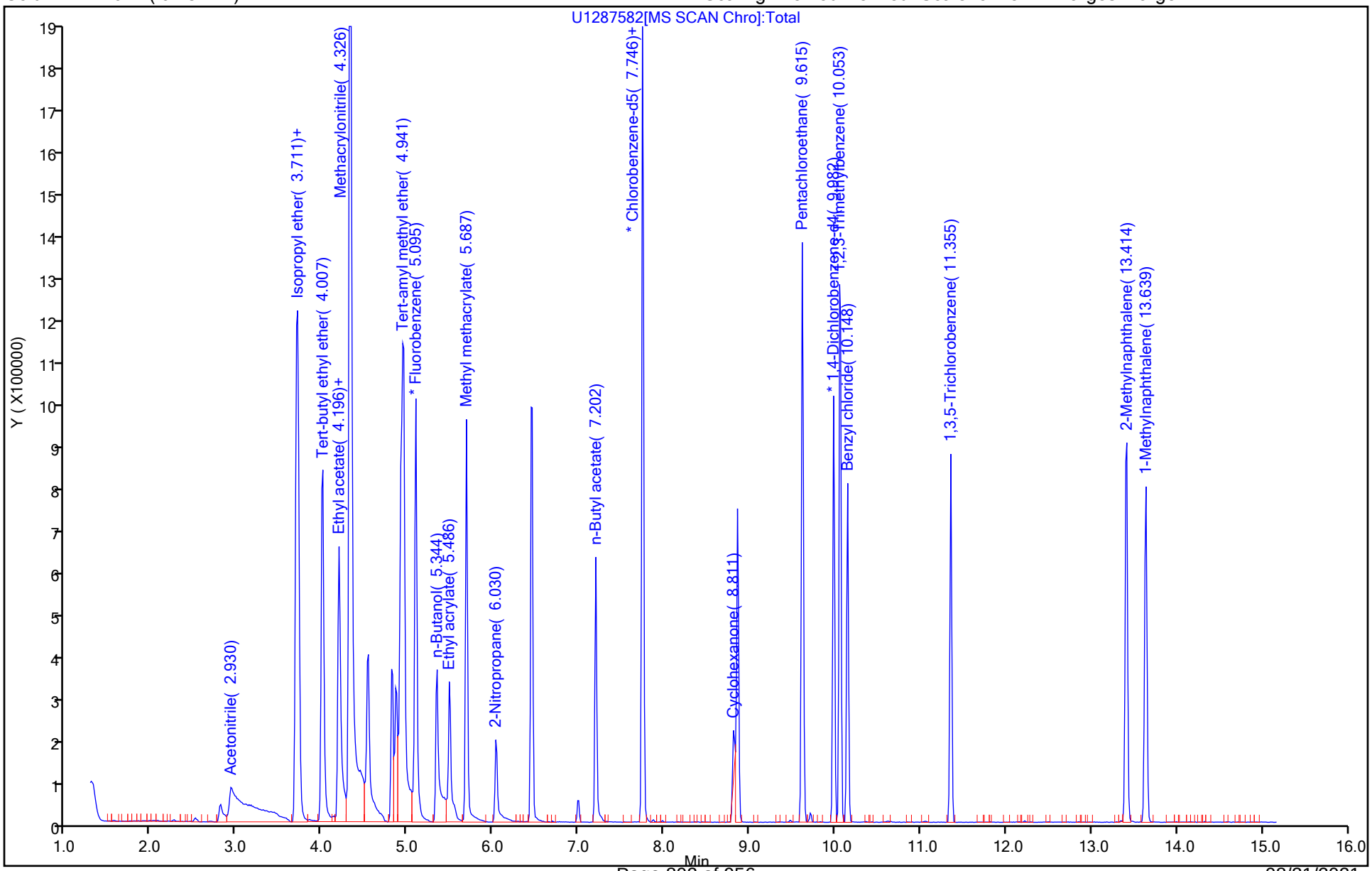
Report Date: 23-Aug-2021 17:35:18 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287582.D

Injection Date:	23-Aug-2021 17:06:30	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.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-500679/4 Calibration Date: 08/23/2021 17:28

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287583.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	0.4607	0.4587	0.1000	0.0199	0.0200	-0.4	20.0
Chloromethane	Ave	0.7847	0.6756	0.1000	0.0172	0.0200	-13.9	20.0
Butadiene	Ave	0.5239	0.4905		0.0187	0.0200	-6.4	20.0
Vinyl chloride	Ave	0.5358	0.4762	0.1000	0.0178	0.0200	-11.1	20.0
Bromomethane	Ave	0.3785	0.3044	0.0500	0.0161	0.0200	-19.6	20.0
Chloroethane	Ave	0.4234	0.3374	0.0500	0.0159	0.0200	-20.3*	20.0
Dichlorofluoromethane	Ave	0.8539	0.7069		0.0166	0.0200	-17.2	20.0
Trichlorofluoromethane	Ave	0.6701	0.6008	0.1000	0.0179	0.0200	-10.3	20.0
Ethyl ether	Ave	0.3315	0.3215		0.0194	0.0200	-3.0	20.0
Acrolein	Ave	0.0080	0.0288		0.360	0.100	259.6*	20.0
1,1-Dichloroethene	Ave	0.5628	0.5183	0.1000	0.0184	0.0200	-7.9	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3109	0.3030	0.0500	0.0195	0.0200	-2.5	20.0
Acetone	Lin1		0.1311	0.0100	0.0617	0.0400	54.3*	50.0
Iodomethane	Ave	0.4317	0.4202		0.0195	0.0200	-2.7	20.0
Carbon disulfide	Ave	0.9646	0.9424	0.1000	0.0195	0.0200	-2.3	20.0
3-Chloro-1-propene	Ave	0.5760	0.5475		0.0190	0.0200	-4.9	20.0
Methyl acetate	Ave	0.2494	0.3322	0.1000	0.0533	0.0400	33.2	50.0
Methylene Chloride	Ave	0.4939	0.4323	0.1000	0.0175	0.0200	-12.5	50.0
tert-Butyl alcohol	Lin1		0.0296		0.258	0.200	29.1*	20.0
Acrylonitrile	Ave	0.1103	0.1586		0.288	0.200	43.8*	20.0
Methyl tert-butyl ether	Ave	0.9596	0.9547	0.1000	0.0199	0.0200	-0.5	20.0
trans-1,2-Dichloroethene	Ave	0.5029	0.4848	0.1000	0.0193	0.0200	-3.6	20.0
Hexane	Ave	0.4785	0.5160		0.0216	0.0200	7.8	20.0
1,1-Dichloroethane	Ave	0.6123	0.6042	0.2000	0.0197	0.0200	-1.3	20.0
Vinyl acetate	Ave	0.5879	0.7432		0.0253	0.0200	26.4*	20.0
2,2-Dichloropropane	Ave	0.3718	0.3776		0.0203	0.0200	1.6	20.0
cis-1,2-Dichloroethene	Ave	0.3374	0.3388	0.1000	0.0201	0.0200	0.4	20.0
2-Butanone	Ave	0.0379	0.0595	0.0100	0.0628	0.0400	56.9*	50.0
Bromochloromethane	Ave	0.2794	0.2901		0.0208	0.0200	3.8	20.0
Tetrahydrofuran	Ave	0.1197	0.1563		0.0522	0.0400	30.6*	20.0
Chloroform	Ave	0.5344	0.5428	0.2000	0.0203	0.0200	1.6	20.0
1,1,1-Trichloroethane	Ave	0.4740	0.4810	0.1000	0.0203	0.0200	1.5	20.0
Cyclohexane	Ave	0.5660	0.5714	0.1000	0.0202	0.0200	1.0	20.0
1,1-Dichloropropene	Ave	0.4476	0.4610		0.0206	0.0200	3.0	20.0
Carbon tetrachloride	Ave	0.3816	0.3907	0.1000	0.0205	0.0200	2.4	20.0
Isobutyl alcohol	Ave	0.0139	0.0178		0.642	0.500	28.4*	20.0
Benzene	Ave	1.185	1.218	0.5000	0.0206	0.0200	2.8	20.0
1,2-Dichloroethane	Ave	0.3917	0.4316	0.1000	0.0220	0.0200	10.2	20.0
n-Heptane	Lin1		0.2216		0.0214	0.0200	7.0	20.0
Trichloroethene	Ave	0.2742	0.2915	0.1500	0.0213	0.0200	6.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-500679/4 Calibration Date: 08/23/2021 17:28

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287583.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	0.5472	0.5635	0.1000	0.0206	0.0200	3.0	20.0
1,2-Dichloropropane	Ave	0.2617	0.2862	0.1000	0.0219	0.0200	9.4	20.0
Dibromomethane	Ave	0.1435	0.1711		0.0239	0.0200	19.3	20.0
1,4-Dioxane	Lin1		0.0037		0.519	0.400	29.7	50.0
Bromodichloromethane	Ave	0.3182	0.3546	0.1500	0.0223	0.0200	11.4	20.0
2-Chloroethyl vinyl ether	Ave	0.1600	0.2025		0.0506	0.0400	26.6*	20.0
cis-1,3-Dichloropropene	Ave	0.3823	0.4404	0.1500	0.0230	0.0200	15.2	50.0
4-Methyl-2-pentanone	Ave	0.4019	0.4753	0.0500	0.0473	0.0400	18.3	50.0
Toluene	Ave	1.719	1.728	0.4000	0.0201	0.0200	0.5	20.0
trans-1,3-Dichloropropene	Ave	0.5382	0.5701	0.1000	0.0212	0.0200	5.9	20.0
Ethyl methacrylate	Ave	0.5545	0.5971		0.0215	0.0200	7.7	20.0
1,1,2-Trichloroethane	Ave	0.3002	0.3295	0.1000	0.0220	0.0200	9.8	20.0
Tetrachloroethene	Ave	0.3786	0.3912	0.1500	0.0207	0.0200	3.3	20.0
1,3-Dichloropropane	Ave	0.5940	0.6391		0.0215	0.0200	7.6	20.0
2-Hexanone	Ave	0.4571	0.5069	0.0500	0.0444	0.0400	10.9	50.0
Dibromochloromethane	Ave	0.2958	0.3129		0.0212	0.0200	5.8	20.0
1,2-Dibromoethane	Ave	0.3268	0.3478		0.0213	0.0200	6.4	20.0
Chlorobenzene	Ave	1.033	1.028	0.3000	0.0199	0.0200	-0.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3904	0.3613		0.0185	0.0200	-7.5	20.0
Ethylbenzene	Ave	0.6008	0.6028		0.0201	0.0200	0.3	20.0
m-Xylene & p-Xylene	Ave	0.7589	0.7507		0.0198	0.0200	-1.1	20.0
o-Xylene	Ave	0.7721	0.7393		0.0192	0.0200	-4.2	20.0
Styrene	Ave	1.151	1.174	0.3000	0.0204	0.0200	2.0	20.0
Bromoform	Ave	0.2074	0.2202	0.1000	0.0212	0.0200	6.2	20.0
Isopropylbenzene	Ave	2.069	1.970	0.1000	0.0190	0.0200	-4.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9783	1.031	0.3000	0.0211	0.0200	5.4	20.0
Bromobenzene	Ave	0.7407	0.7535		0.0203	0.0200	1.7	20.0
1,2,3-Trichloropropane	Ave	0.3241	0.3499		0.0216	0.0200	8.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3665	0.3554		0.0194	0.0200	-3.0	20.0
n-Propylbenzene	Ave	0.9377	0.9594		0.0205	0.0200	2.3	20.0
2-Chlorotoluene	Ave	0.8024	0.7799		0.0194	0.0200	-2.8	20.0
1,3,5-Trimethylbenzene	Ave	2.782	2.749		0.0198	0.0200	-1.2	20.0
4-Chlorotoluene	Ave	0.7856	0.8023		0.0204	0.0200	2.1	20.0
tert-Butylbenzene	Ave	2.227	2.385		0.0214	0.0200	7.1	20.0
1,2,4-Trimethylbenzene	Ave	2.830	2.805		0.0198	0.0200	-0.9	20.0
sec-Butylbenzene	Ave	3.371	3.407		0.0202	0.0200	1.1	20.0
1,3-Dichlorobenzene	Ave	1.477	1.464	0.6000	0.0198	0.0200	-0.9	20.0
p-Isopropyltoluene	Ave	2.875	2.875		0.0200	0.0200	0.0	20.0
1,4-Dichlorobenzene	Ave	1.549	1.474	0.5000	0.0190	0.0200	-4.8	20.0
n-Butylbenzene	Ave	2.502	2.454		0.0196	0.0200	-1.9	20.0
1,2-Dichlorobenzene	Ave	1.445	1.445	0.4000	0.0200	0.0200	-0.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-500679/4 Calibration Date: 08/23/2021 17:28

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287583.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	0.2053	0.2366	0.0500	0.0231	0.0200	15.3	50.0
1,2,4-Trichlorobenzene	Ave	0.8138	0.7580	0.2000	0.0186	0.0200	-6.9	50.0
Hexachlorobutadiene	Ave	0.2811	0.2514		0.0179	0.0200	-10.6	50.0
Naphthalene	Ave	2.580	2.716		0.0210	0.0200	5.2	50.0
1,2,3-Trichlorobenzene	Ave	0.7190	0.7031		0.0196	0.0200	-2.2	20.0
Dibromofluoromethane (Surr)	Ave	0.2519	0.2293		0.0182	0.0200	-9.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2998	0.2949		0.0197	0.0200	-1.6	20.0
Toluene-d8 (Surr)	Ave	1.482	1.229		0.0166	0.0200	-17.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5255	0.4439		0.0169	0.0200	-15.5	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287583.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Aug-2021 17:28:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-004
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 17:49:02 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 17:49:02

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	98	837050	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	579208	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	96	319182	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	191898	20.0	18.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	96	246871	20.0	19.7	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	711890	20.0	16.6	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	88	257085	20.0	16.9	
9 Dichlorodifluoromethane	85	1.403	1.403	0.000	99	383989	20.0	19.9	
10 Chloromethane	50	1.628	1.628	0.000	100	565489	20.0	17.2	
11 Butadiene	54	1.640	1.640	0.000	91	410565	20.0	18.7	
12 Vinyl chloride	62	1.676	1.676	0.000	98	398620	20.0	17.8	
14 Bromomethane	94	1.936	1.936	0.000	92	254813	20.0	16.1	
15 Chloroethane	64	1.983	1.983	0.000	100	282400	20.0	15.9	
16 Dichlorofluoromethane	67	2.184	2.184	0.000	100	591712	20.0	16.6	
17 Trichlorofluoromethane	101	2.244	2.244	0.000	98	502875	20.0	17.9	
19 Ethyl ether	59	2.433	2.433	0.000	94	269135	20.0	19.4	
20 Acrolein	56	2.551	2.551	0.000	100	120552	100.0	359.6	
21 1,1-Dichloroethene	61	2.646	2.646	0.000	96	433866	20.0	18.4	
22 112TCTFE	101	2.658	2.658	0.000	96	253652	20.0	19.5	
23 Acetone	43	2.681	2.681	0.000	99	219492	40.0	61.7	
24 Iodomethane	142	2.788	2.788	0.000	99	351767	20.0	19.5	
25 Carbon disulfide	76	2.847	2.847	0.000	100	788869	20.0	19.5	
27 3-Chloro-1-propene	41	2.942	2.942	0.000	87	458292	20.0	19.0	
28 Methyl acetate	43	2.965	2.965	0.000	98	556066	40.0	53.3	
29 Methylene Chloride	49	3.060	3.060	0.000	96	361816	20.0	17.5	
30 2-Methyl-2-propanol	59	3.167	3.167	0.000	99	247544	200.0	258.2	
31 Acrylonitrile	53	3.273	3.273	0.000	98	1327824	200.0	287.7	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	97	799138	20.0	19.9	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	96	405811	20.0	19.3	
34 Hexane	57	3.510	3.510	0.000	93	431888	20.0	21.6	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	97	505729	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	622119	20.0	25.3	
40 2,2-Dichloropropane	77	4.125	4.125	0.000	62	316061	20.0	20.3	
41 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	87	283582	20.0	20.1	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	100	99581	40.0	62.8	
46 Chlorobromomethane	49	4.326	4.326	0.000	96	242789	20.0	20.8	
47 Tetrahydrofuran	42	4.373	4.373	0.000	87	261590	40.0	52.2	
48 Chloroform	83	4.397	4.397	0.000	98	454340	20.0	20.3	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	97	402584	20.0	20.3	
50 Cyclohexane	84	4.598	4.598	0.000	92	478331	20.0	20.2	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	92	385872	20.0	20.6	
52 Carbon tetrachloride	117	4.693	4.693	0.000	77	327042	20.0	20.5	
53 Isobutyl alcohol	41	4.788	4.788	0.000	93	372326	500.0	641.8	
54 Benzene	78	4.859	4.859	0.000	97	1019933	20.0	20.6	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	361239	20.0	22.0	
57 n-Heptane	57	5.072	5.072	0.000	91	185456	20.0	21.4	
59 Trichloroethene	130	5.403	5.403	0.000	97	243984	20.0	21.3	
61 Methylcyclohexane	83	5.557	5.557	0.000	92	471713	20.0	20.6	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	91	239555	20.0	21.9	
64 Dibromomethane	174	5.699	5.699	0.000	93	143234	20.0	23.9	
65 1,4-Dioxane	88	5.711	5.711	0.000	93	61656	400.0	518.7	
66 Dichlorobromomethane	83	5.829	5.829	0.000	98	296833	20.0	22.3	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	93	339027	40.0	50.6	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	92	368636	20.0	23.0	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.350	0.000	97	795746	40.0	47.3	
71 Toluene	91	6.503	6.503	0.000	98	1000938	20.0	20.1	
72 trans-1,3-Dichloropropene	75	6.705	6.705	0.000	98	330205	20.0	21.2	
74 Ethyl methacrylate	69	6.776	6.776	0.000	89	345867	20.0	21.5	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	94	190871	20.0	22.0	
76 Tetrachloroethene	166	6.989	6.989	0.000	96	226567	20.0	20.7	
77 1,3-Dichloropropane	76	7.012	7.012	0.000	94	370172	20.0	21.5	
78 2-Hexanone	43	7.083	7.083	0.000	98	587217	40.0	44.4	
80 Chlorodibromomethane	129	7.225	7.225	0.000	90	181258	20.0	21.2	
81 Ethylene Dibromide	107	7.332	7.332	0.000	97	201445	20.0	21.3	
83 Chlorobenzene	112	7.770	7.770	0.000	93	595181	20.0	19.9	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	94	209271	20.0	18.5	
85 Ethylbenzene	106	7.876	7.876	0.000	99	349129	20.0	20.1	
86 m-Xylene & p-Xylene	106	7.983	7.983	0.000	98	434840	20.0	19.8	
87 o-Xylene	106	8.361	8.361	0.000	97	428226	20.0	19.2	
88 Styrene	104	8.373	8.373	0.000	94	679920	20.0	20.4	
89 Bromoform	173	8.550	8.550	0.000	94	127569	20.0	21.2	
90 Isopropylbenzene	105	8.704	8.704	0.000	97	1141231	20.0	19.0	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	85	328995	20.0	21.1	
92 Bromobenzene	156	9.000	9.000	0.000	96	240489	20.0	20.3	
94 1,2,3-Trichloropropane	110	9.047	9.047	0.000	89	111689	20.0	21.6	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	86	113428	20.0	19.4	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	306231	20.0	20.5	
97 2-Chlorotoluene	126	9.189	9.189	0.000	95	248922	20.0	19.4	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	95	877473	20.0	19.8	
99 4-Chlorotoluene	126	9.296	9.296	0.000	98	256084	20.0	20.4	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	761354	20.0	21.4	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	895393	20.0	19.8	
105 sec-Butylbenzene	105	9.805	9.805	0.000	95	1087295	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
106 1,3-Dichlorobenzene	146	9.923	9.923	0.000	98	467180	20.0	19.8	
107 4-Isopropyltoluene	119	9.947	9.947	0.000	97	917669	20.0	20.0	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	93	470532	20.0	19.0	
111 n-Butylbenzene	91	10.361	10.361	0.000	98	783169	20.0	19.6	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	96	461327	20.0	20.0	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	79	75511	20.0	23.1	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	94	241935	20.0	18.6	
116 Hexachlorobutadiene	225	12.136	12.136	0.000	96	80239	20.0	17.9	
117 Naphthalene	128	12.219	12.219	0.000	98	866786	20.0	21.0	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	95	224407	20.0	19.6	
S 125 Total BTEX	1				0		100.0	99.7	
S 124 Trihalomethanes, Total	1				0		80.0	85.0	
S 128 Xylenes, Total	106				0		40.0	38.9	

QC Flag Legend

Processing Flags

Reagents:

vmarolistdw_00405	Amount Added: 16.00	Units: uL	
vmrprimw_00448	Amount Added: 16.00	Units: uL	
vmrgas_00397	Amount Added: 16.00	Units: uL	
vmDist_H2o_00201	Amount Added: 0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added: 2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added: 2.00	Units: uL	Run Reagent

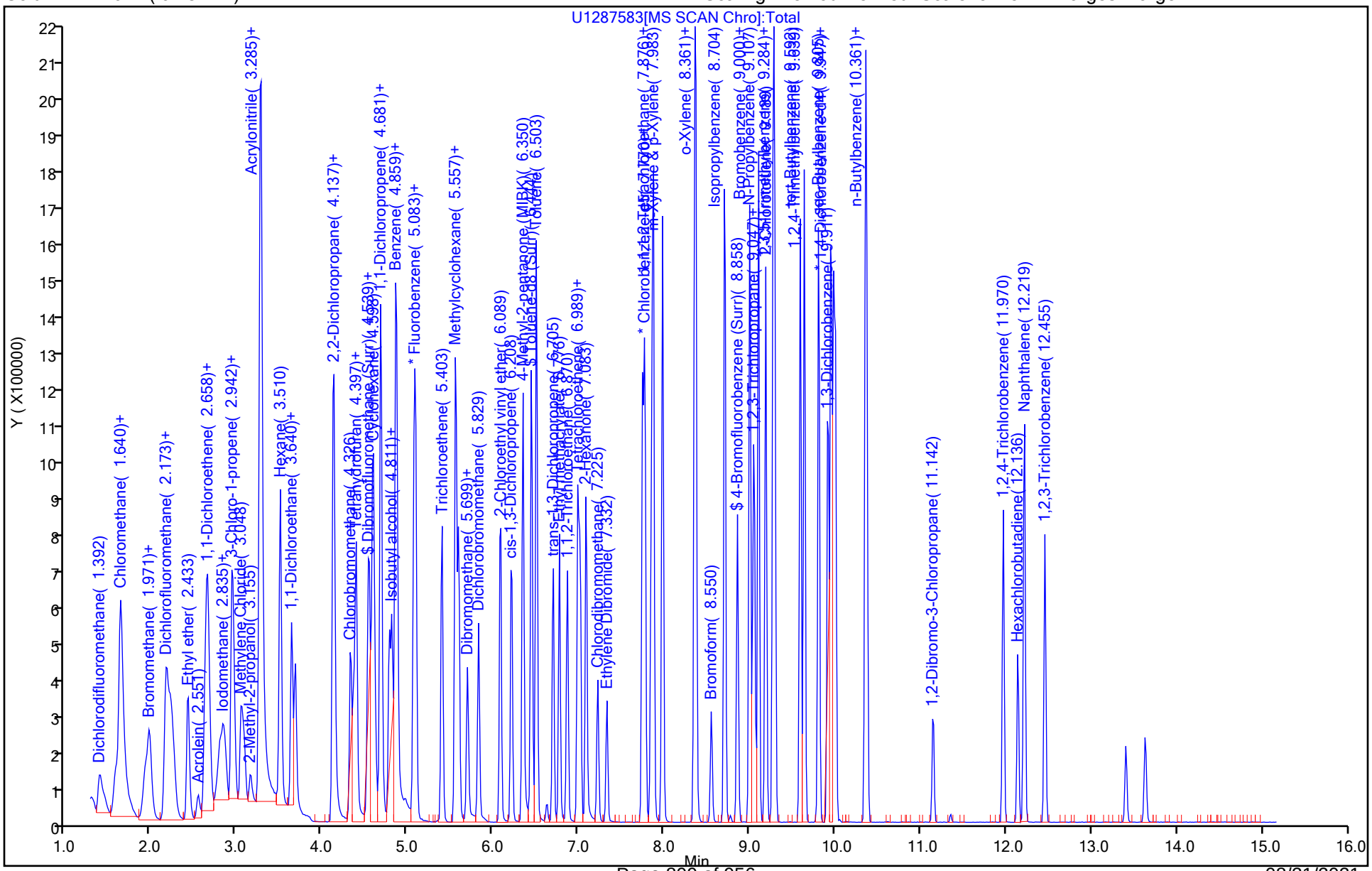
Report Date: 23-Aug-2021 17:49:04 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287583.D

Injection Date:	23-Aug-2021 17:28:30	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.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-501270/3 Calibration Date: 08/26/2021 18:40

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 15:46

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 17:59

Lab File ID: U1287638.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	0.0457	0.0559		0.245	0.200	22.3*	20.0
Diisopropyl ether	Ave	0.2748	0.2987		0.0217	0.0200	8.7	20.0
2-Chloro-1,3-butadiene	Ave	0.6251	0.5945		0.0190	0.0200	-4.9	20.0
Ethyl-t-butyl ether (ETBE)	Ave	1.077	1.067		0.0198	0.0200	-0.9	20.0
Ethyl acetate	Ave	0.3431	0.3733		0.0435	0.0400	8.8	20.0
Propionitrile	Ave	0.0511	0.0613		0.240	0.200	19.8	20.0
Methacrylonitrile	Ave	0.2478	0.2639		0.213	0.200	6.5	20.0
Tert-amyl-methyl ether (TAME)	Ave	1.056	1.128		0.0214	0.0200	6.8	20.0
n-Butanol	Ave	0.0119	0.0152		0.638	0.500	27.7*	20.0
Ethyl acrylate	Ave	0.3751	0.3822		0.0204	0.0200	1.9	20.0
Methyl methacrylate	Ave	0.2848	0.2895		0.0407	0.0400	1.7	20.0
2-Nitropropane	Ave	0.0933	0.0813		0.0348	0.0400	-12.9	20.0
n-Butyl acetate	Ave	0.8864	0.8609		0.0194	0.0200	-2.9	20.0
1-Chlorohexane	Ave	0.6008	0.5999		0.0200	0.0200	-0.2	20.0
Cyclohexanone	Ave	0.0202	0.0214		0.212	0.200	6.0	20.0
Pentachloroethane	Ave	0.3217	0.4025		0.0501	0.0400	25.1*	20.0
1,2,3-Trimethylbenzene	Ave	2.930	2.950		0.0201	0.0200	0.7	20.0
Benzyl chloride	Ave	1.967	1.986		0.0202	0.0200	0.9	20.0
1,3,5-Trichlorobenzene	Ave	0.9511	0.9443		0.0199	0.0200	-0.7	20.0
2-Methylnaphthalene	Ave	0.9218	0.9585		0.0416	0.0400	4.0	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287638.D
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 26-Aug-2021 18:40:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-003
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub4

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Aug-2021 19:12:44 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: laveyt Date: 26-Aug-2021 19:12:43

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.095	5.095	0.000	98	741914	20.0	20.0	
*	2 Chlorobenzene-d5	117	7.746	7.746	0.000	88	483501	20.0	20.0	
*	3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	264833	20.0	20.0	
	26 Acetonitrile	41	2.930	2.930	0.000	100	414389	200.0	244.6	
	37 Isopropyl ether	87	3.699	3.699	0.000	93	221642	20.0	21.7	
	38 2-Chloro-1,3-butadiene	53	3.723	3.723	0.000	93	441094	20.0	19.0	
	39 Tert-butyl ethyl ether	59	4.007	4.007	0.000	98	791446	20.0	19.8	
	43 Ethyl acetate	43	4.196	4.196	0.000	100	553950	40.0	43.5	
	44 Propionitrile	54	4.208	4.208	0.000	98	454467	200.0	239.6	
	45 Methacrylonitrile	41	4.326	4.326	0.000	94	1957698	200.0	213.0	
	56 Tert-amyl methyl ether	73	4.953	4.953	0.000	98	837047	20.0	21.4	
	58 n-Butanol	56	5.344	5.344	0.000	87	281962	500.0	638.3	
	60 Ethyl acrylate	55	5.486	5.486	0.000	99	283592	20.0	20.4	
	63 Methyl methacrylate	41	5.687	5.687	0.000	91	429630	40.0	40.7	
	67 2-Nitropropane	41	6.030	6.030	0.000	99	120617	40.0	34.8	
	79 n-Butyl acetate	43	7.202	7.202	0.000	99	416238	20.0	19.4	
	82 1-Chlorohexane	91	7.746	7.746	0.000	81	290060	20.0	20.0	
	91 Cyclohexanone	55	8.811	8.811	0.000	94	103357	200.0	211.9	
	103 Pentachloroethane	167	9.616	9.616	0.000	89	213208	40.0	50.1	
	109 1,2,3-Trimethylbenzene	105	10.065	10.065	0.000	99	781166	20.0	20.1	
	110 Benzyl chloride	91	10.148	10.148	0.000	99	525841	20.0	20.2	
	114 1,3,5-Trichlorobenzene	180	11.355	11.355	0.000	96	250095	20.0	19.9	
	119 2-Methylnaphthalene	142	13.414	13.414	0.000	94	507688	40.0	41.6	
	168 1-Methylnaphthalene	142	13.639	13.639	0.000	94	422408	40.0	40.9	
	169 Isooctane	57		0.000				ND	ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

vmra9w_00403	Amount Added:	16.00	Units: uL
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL

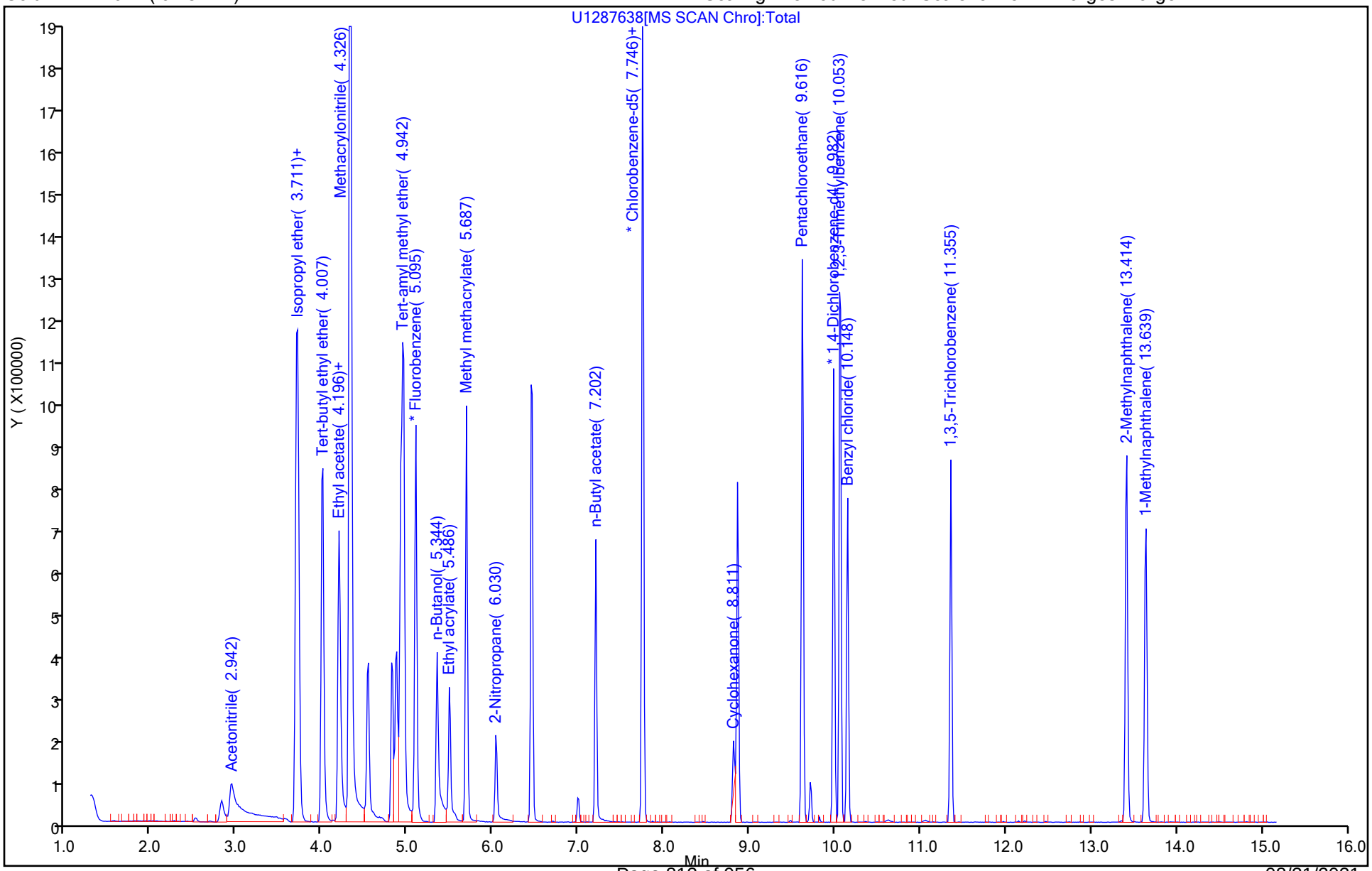
Report Date: 26-Aug-2021 19:12:44 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287638.D

Injection Date:	26-Aug-2021 18:40:30	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.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-501270/4 Calibration Date: 08/26/2021 19:02

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287639.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	0.4607	0.4724	0.1000	0.0205	0.0200	2.6	20.0
Chloromethane	Ave	0.7847	0.7469	0.1000	0.0190	0.0200	-4.8	20.0
Butadiene	Ave	0.5239	0.5545		0.0212	0.0200	5.8	20.0
Vinyl chloride	Ave	0.5358	0.5151	0.1000	0.0192	0.0200	-3.9	20.0
Bromomethane	Ave	0.3785	0.3376	0.0500	0.0178	0.0200	-10.8	20.0
Chloroethane	Ave	0.4234	0.3697	0.0500	0.0175	0.0200	-12.7	20.0
Dichlorofluoromethane	Ave	0.8539	0.7736		0.0181	0.0200	-9.4	20.0
Trichlorofluoromethane	Ave	0.6701	0.6626	0.1000	0.0198	0.0200	-1.1	20.0
Ethyl ether	Ave	0.3315	0.3441		0.0208	0.0200	3.8	20.0
Acrolein	Ave	0.0080	0.0346		0.432	0.100	332.1*	20.0
1,1-Dichloroethene	Ave	0.5628	0.5563	0.1000	0.0198	0.0200	-1.2	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3109	0.3310	0.0500	0.0213	0.0200	6.4	20.0
Acetone	Lin1		0.1230	0.0100	0.0578	0.0400	44.4	50.0
Iodomethane	Ave	0.4317	0.4654		0.0216	0.0200	7.8	20.0
Carbon disulfide	Ave	0.9646	1.026	0.1000	0.0213	0.0200	6.4	20.0
3-Chloro-1-propene	Ave	0.5760	0.5921		0.0206	0.0200	2.8	20.0
Methyl acetate	Ave	0.2494	0.3469	0.1000	0.0556	0.0400	39.1	50.0
Methylene Chloride	Ave	0.4939	0.4827	0.1000	0.0195	0.0200	-2.3	50.0
tert-Butyl alcohol	Lin1		0.0327		0.286	0.200	43.2*	20.0
Acrylonitrile	Ave	0.1103	0.1650		0.299	0.200	49.6*	20.0
Methyl tert-butyl ether	Ave	0.9596	1.073	0.1000	0.0224	0.0200	11.9	20.0
trans-1,2-Dichloroethene	Ave	0.5029	0.5384	0.1000	0.0214	0.0200	7.1	20.0
Hexane	Ave	0.4785	0.4999		0.0209	0.0200	4.5	20.0
1,1-Dichloroethane	Ave	0.6123	0.6561	0.2000	0.0214	0.0200	7.2	20.0
Vinyl acetate	Ave	0.5879	0.6896		0.0235	0.0200	17.3	20.0
2,2-Dichloropropane	Ave	0.3718	0.4493		0.0242	0.0200	20.8*	20.0
cis-1,2-Dichloroethene	Ave	0.3374	0.3756	0.1000	0.0223	0.0200	11.3	20.0
2-Butanone	Ave	0.0379	0.0518	0.0100	0.0547	0.0400	36.8	50.0
Bromochloromethane	Ave	0.2794	0.3301		0.0236	0.0200	18.1	20.0
Tetrahydrofuran	Ave	0.1197	0.1485		0.0496	0.0400	24.1*	20.0
Chloroform	Ave	0.5344	0.5799	0.2000	0.0217	0.0200	8.5	20.0
1,1,1-Trichloroethane	Ave	0.4740	0.5188	0.1000	0.0219	0.0200	9.5	20.0
Cyclohexane	Ave	0.5660	0.6205	0.1000	0.0219	0.0200	9.6	20.0
1,1-Dichloropropene	Ave	0.4476	0.4602		0.0206	0.0200	2.8	20.0
Carbon tetrachloride	Ave	0.3816	0.4194	0.1000	0.0220	0.0200	9.9	20.0
Isobutyl alcohol	Ave	0.0139	0.0174		0.626	0.500	25.3*	20.0
Benzene	Ave	1.185	1.245	0.5000	0.0210	0.0200	5.0	20.0
1,2-Dichloroethane	Ave	0.3917	0.4266	0.1000	0.0218	0.0200	8.9	20.0
n-Heptane	Lin1		0.2159		0.0207	0.0200	3.7	20.0
Trichloroethene	Ave	0.2742	0.2888	0.1500	0.0211	0.0200	5.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-501270/4 Calibration Date: 08/26/2021 19:02

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287639.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	0.5472	0.6074	0.1000	0.0222	0.0200	11.0	20.0
1,2-Dichloropropane	Ave	0.2617	0.2847	0.1000	0.0218	0.0200	8.8	20.0
Dibromomethane	Ave	0.1435	0.1732		0.0241	0.0200	20.7*	20.0
1,4-Dioxane	Lin1		0.0033		0.469	0.400	17.3	50.0
Bromodichloromethane	Ave	0.3182	0.3430	0.1500	0.0216	0.0200	7.8	20.0
2-Chloroethyl vinyl ether	Ave	0.1600	0.1726		0.0432	0.0400	7.9	20.0
cis-1,3-Dichloropropene	Ave	0.3823	0.4002	0.1500	0.0209	0.0200	4.7	50.0
4-Methyl-2-pentanone	Ave	0.4019	0.4550	0.0500	0.0453	0.0400	13.2	50.0
Toluene	Ave	1.719	1.733	0.4000	0.0202	0.0200	0.8	20.0
trans-1,3-Dichloropropene	Ave	0.5382	0.5257	0.1000	0.0195	0.0200	-2.3	20.0
Ethyl methacrylate	Ave	0.5545	0.5909		0.0213	0.0200	6.6	20.0
1,1,2-Trichloroethane	Ave	0.3002	0.3217	0.1000	0.0214	0.0200	7.2	20.0
Tetrachloroethene	Ave	0.3786	0.4138	0.1500	0.0219	0.0200	9.3	20.0
1,3-Dichloropropane	Ave	0.5940	0.5927		0.0200	0.0200	-0.2	20.0
2-Hexanone	Ave	0.4571	0.4701	0.0500	0.0411	0.0400	2.8	50.0
Dibromochloromethane	Ave	0.2958	0.3124		0.0211	0.0200	5.6	20.0
1,2-Dibromoethane	Ave	0.3268	0.3371		0.0206	0.0200	3.2	20.0
Chlorobenzene	Ave	1.033	1.033	0.3000	0.0200	0.0200	0.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3904	0.3920		0.0201	0.0200	0.4	20.0
Ethylbenzene	Ave	0.6008	0.6297		0.0210	0.0200	4.8	20.0
m-Xylene & p-Xylene	Ave	0.7589	0.7809		0.0206	0.0200	2.9	20.0
o-Xylene	Ave	0.7721	0.7896		0.0205	0.0200	2.3	20.0
Styrene	Ave	1.151	1.194	0.3000	0.0208	0.0200	3.8	20.0
Bromoform	Ave	0.2074	0.2192	0.1000	0.0211	0.0200	5.7	20.0
Isopropylbenzene	Ave	2.069	2.054	0.1000	0.0199	0.0200	-0.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9783	1.081	0.3000	0.0221	0.0200	10.5	20.0
Bromobenzene	Ave	0.7407	0.7660		0.0207	0.0200	3.4	20.0
1,2,3-Trichloropropane	Ave	0.3241	0.3582		0.0221	0.0200	10.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3665	0.2814		0.0154	0.0200	-23.2*	20.0
n-Propylbenzene	Ave	0.9377	1.003		0.0214	0.0200	6.9	20.0
2-Chlorotoluene	Ave	0.8024	0.8253		0.0206	0.0200	2.9	20.0
1,3,5-Trimethylbenzene	Ave	2.782	2.917		0.0210	0.0200	4.8	20.0
4-Chlorotoluene	Ave	0.7856	0.8139		0.0207	0.0200	3.6	20.0
tert-Butylbenzene	Ave	2.227	2.298		0.0206	0.0200	3.2	20.0
1,2,4-Trimethylbenzene	Ave	2.830	2.920		0.0206	0.0200	3.2	20.0
sec-Butylbenzene	Ave	3.371	3.531		0.0210	0.0200	4.8	20.0
1,3-Dichlorobenzene	Ave	1.477	1.523	0.6000	0.0206	0.0200	3.1	20.0
p-Isopropyltoluene	Ave	2.875	3.027		0.0211	0.0200	5.3	20.0
1,4-Dichlorobenzene	Ave	1.549	1.541	0.5000	0.0199	0.0200	-0.5	20.0
n-Butylbenzene	Ave	2.502	2.643		0.0211	0.0200	5.6	20.0
1,2-Dichlorobenzene	Ave	1.445	1.547	0.4000	0.0214	0.0200	7.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-501270/4 Calibration Date: 08/26/2021 19:02

Instrument ID: A3UX12 Calib Start Date: 07/31/2021 11:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/31/2021 14:17

Lab File ID: U1287639.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	0.2053	0.2469	0.0500	0.0241	0.0200	20.3	50.0
1,2,4-Trichlorobenzene	Ave	0.8138	0.8651	0.2000	0.0213	0.0200	6.3	50.0
Hexachlorobutadiene	Ave	0.2811	0.2732		0.0194	0.0200	-2.8	50.0
Naphthalene	Ave	2.580	2.991		0.0232	0.0200	15.9	50.0
1,2,3-Trichlorobenzene	Ave	0.7190	0.7940		0.0221	0.0200	10.4	20.0
Dibromofluoromethane (Surr)	Ave	0.2519	0.2749		0.0218	0.0200	9.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2998	0.3388		0.0226	0.0200	13.0	20.0
Toluene-d8 (Surr)	Ave	1.482	1.409		0.0190	0.0200	-4.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5255	0.5244		0.0200	0.0200	-0.2	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287639.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Aug-2021 19:02:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-004
Operator ID: 001904 Instrument ID: A3UX12
Sublist: chrom-8260_12_h2o*sub2

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Aug-2021 19:31:05 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: laveyt Date: 26-Aug-2021 19:31:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	750758	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	497581	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	93	275377	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	93	206354	20.0	21.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	97	254356	20.0	22.6	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	701079	20.0	19.0	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	86	260924	20.0	20.0	
9 Dichlorodifluoromethane	85	1.391	1.391	0.000	99	354670	20.0	20.5	
10 Chloromethane	50	1.628	1.628	0.000	99	560733	20.0	19.0	M
11 Butadiene	54	1.640	1.640	0.000	90	416264	20.0	21.2	
12 Vinyl chloride	62	1.675	1.675	0.000	98	386733	20.0	19.2	
14 Bromomethane	94	1.924	1.924	0.000	91	253447	20.0	17.8	
15 Chloroethane	64	1.983	1.983	0.000	100	277558	20.0	17.5	
16 Dichlorofluoromethane	67	2.172	2.172	0.000	99	580805	20.0	18.1	
17 Trichlorofluoromethane	101	2.243	2.243	0.000	98	497433	20.0	19.8	
19 Ethyl ether	59	2.421	2.421	0.000	93	258353	20.0	20.8	
20 Acrolein	56	2.551	2.551	0.000	99	129924	100.0	432.1	E
21 1,1-Dichloroethene	61	2.622	2.622	0.000	96	417618	20.0	19.8	
22 112TCTFE	101	2.658	2.658	0.000	98	248466	20.0	21.3	
23 Acetone	43	2.681	2.681	0.000	99	184640	40.0	57.8	
24 Iodomethane	142	2.776	2.776	0.000	100	349421	20.0	21.6	
25 Carbon disulfide	76	2.835	2.835	0.000	100	770370	20.0	21.3	
27 3-Chloro-1-propene	41	2.942	2.942	0.000	87	444522	20.0	20.6	
28 Methyl acetate	43	2.965	2.965	0.000	98	520937	40.0	55.6	
29 Methylene Chloride	49	3.048	3.048	0.000	96	362356	20.0	19.5	
30 2-Methyl-2-propanol	59	3.155	3.155	0.000	99	245257	200.0	286.4	
31 Acrylonitrile	53	3.273	3.273	0.000	98	1239115	200.0	299.3	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	69	404179	20.0	21.4	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	96	805831	20.0	22.4	
34 Hexane	57	3.510	3.510	0.000	94	375324	20.0	20.9	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	97	492594	20.0	21.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	3.687	3.687	0.000	97	517722	20.0	23.5	
41 cis-1,2-Dichloroethene	96	4.125	4.125	0.000	88	282007	20.0	22.3	
40 2,2-Dichloropropane	77	4.125	4.125	0.000	63	337292	20.0	24.2	
42 2-Butanone (MEK)	72	4.137	4.137	0.000	100	77848	40.0	54.7	
46 Chlorobromomethane	49	4.326	4.326	0.000	97	247808	20.0	23.6	
47 Tetrahydrofuran	42	4.362	4.362	0.000	88	223033	40.0	49.6	
48 Chloroform	83	4.397	4.397	0.000	97	435398	20.0	21.7	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	97	389527	20.0	21.9	
50 Cyclohexane	84	4.598	4.598	0.000	92	465833	20.0	21.9	
52 Carbon tetrachloride	117	4.681	4.681	0.000	82	314873	20.0	22.0	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	92	345526	20.0	20.6	
53 Isobutyl alcohol	41	4.787	4.787	0.000	93	325926	500.0	626.4	
54 Benzene	78	4.858	4.858	0.000	97	934658	20.0	21.0	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	320246	20.0	21.8	
57 n-Heptane	57	5.071	5.071	0.000	91	162107	20.0	20.7	
59 Trichloroethene	130	5.403	5.403	0.000	96	216791	20.0	21.1	
61 Methylcyclohexane	83	5.557	5.557	0.000	93	455993	20.0	22.2	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	93	213768	20.0	21.8	
64 Dibromomethane	174	5.699	5.699	0.000	95	130024	20.0	24.1	
65 1,4-Dioxane	88	5.710	5.710	0.000	90	49840	400.0	469.1	
66 Dichlorobromomethane	83	5.829	5.829	0.000	98	257482	20.0	21.6	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	93	259208	40.0	43.2	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	93	300418	20.0	20.9	
70 4-Methyl-2-pentanone (MIBK)	43	6.349	6.349	0.000	97	683151	40.0	45.3	
71 Toluene	91	6.503	6.503	0.000	98	862471	20.0	20.2	
72 trans-1,3-Dichloropropene	75	6.704	6.704	0.000	97	261555	20.0	19.5	
74 Ethyl methacrylate	69	6.775	6.775	0.000	89	294034	20.0	21.3	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	95	160062	20.0	21.4	
76 Tetrachloroethene	166	6.988	6.988	0.000	96	205890	20.0	21.9	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	93	294938	20.0	20.0	
78 2-Hexanone	43	7.083	7.083	0.000	98	467860	40.0	41.1	
80 Chlorodibromomethane	129	7.225	7.225	0.000	91	155458	20.0	21.1	
81 Ethylene Dibromide	107	7.332	7.332	0.000	98	167752	20.0	20.6	
83 Chlorobenzene	112	7.781	7.781	0.000	94	513843	20.0	20.0	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	93	195055	20.0	20.1	
85 Ethylbenzene	106	7.876	7.876	0.000	99	313318	20.0	21.0	
86 m-Xylene & p-Xylene	106	7.982	7.982	0.000	98	388557	20.0	20.6	
87 o-Xylene	106	8.361	8.361	0.000	97	392887	20.0	20.5	
88 Styrene	104	8.373	8.373	0.000	95	594290	20.0	20.8	
89 Bromoform	173	8.550	8.550	0.000	94	109045	20.0	21.1	
90 Isopropylbenzene	105	8.704	8.704	0.000	97	1022077	20.0	19.9	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	87	297750	20.0	22.1	
92 Bromobenzene	156	9.000	9.000	0.000	96	210947	20.0	20.7	
94 1,2,3-Trichloropropane	110	9.047	9.047	0.000	87	98629	20.0	22.1	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	83	77494	20.0	15.4	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	276176	20.0	21.4	
97 2-Chlorotoluene	126	9.189	9.189	0.000	95	227269	20.0	20.6	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	803336	20.0	21.0	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	224121	20.0	20.7	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	632837	20.0	20.6	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	95	804084	20.0	20.6	
105 sec-Butylbenzene	105	9.805	9.805	0.000	95	972393	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	9.923	9.923	0.000	98	419510	20.0	20.6	
107 4-Isopropyltoluene	119	9.958	9.958	0.000	97	833653	20.0	21.1	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	93	424487	20.0	19.9	
111 n-Butylbenzene	91	10.361	10.361	0.000	97	727757	20.0	21.1	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	96	426045	20.0	21.4	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	80	67997	20.0	24.1	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	94	238242	20.0	21.3	
116 Hexachlorobutadiene	225	12.148	12.148	0.000	96	75232	20.0	19.4	
117 Naphthalene	128	12.219	12.219	0.000	98	823692	20.0	23.2	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	94	218640	20.0	22.1	
S 125 Total BTEX	1				0		100.0	103.2	
S 124 Trihalomethanes, Total	1				0		80.0	85.5	
S 128 Xylenes, Total	106				0		40.0	41.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

vmarolistdw_00406	Amount Added:	16.00	Units: uL	
vmrprimw_00449	Amount Added:	16.00	Units: uL	
vmrgas_00397	Amount Added:	16.00	Units: uL	
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

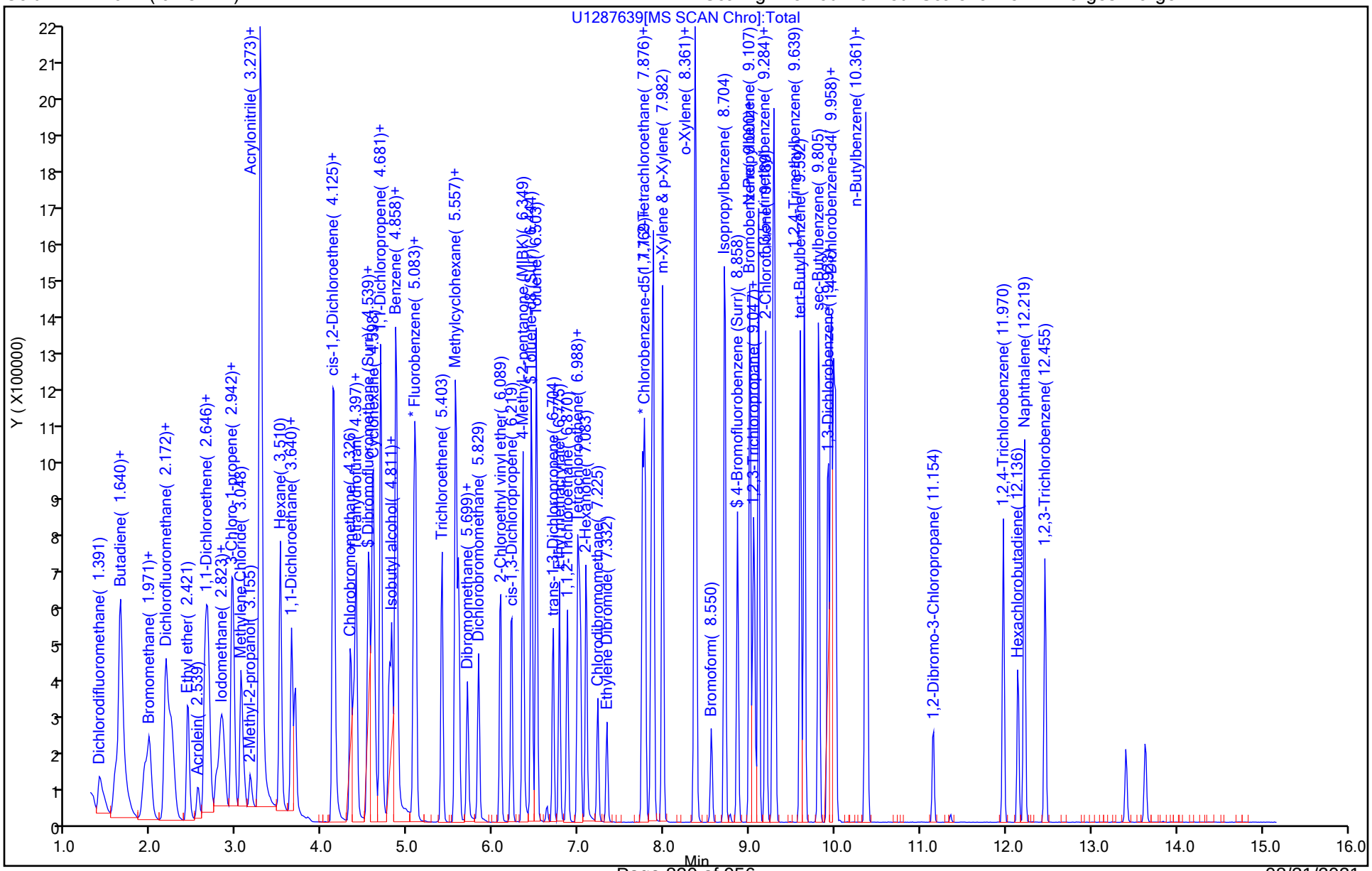
Report Date: 26-Aug-2021 19:31:07 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287639.D

Injection Date:	26-Aug-2021 19:02:30	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



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

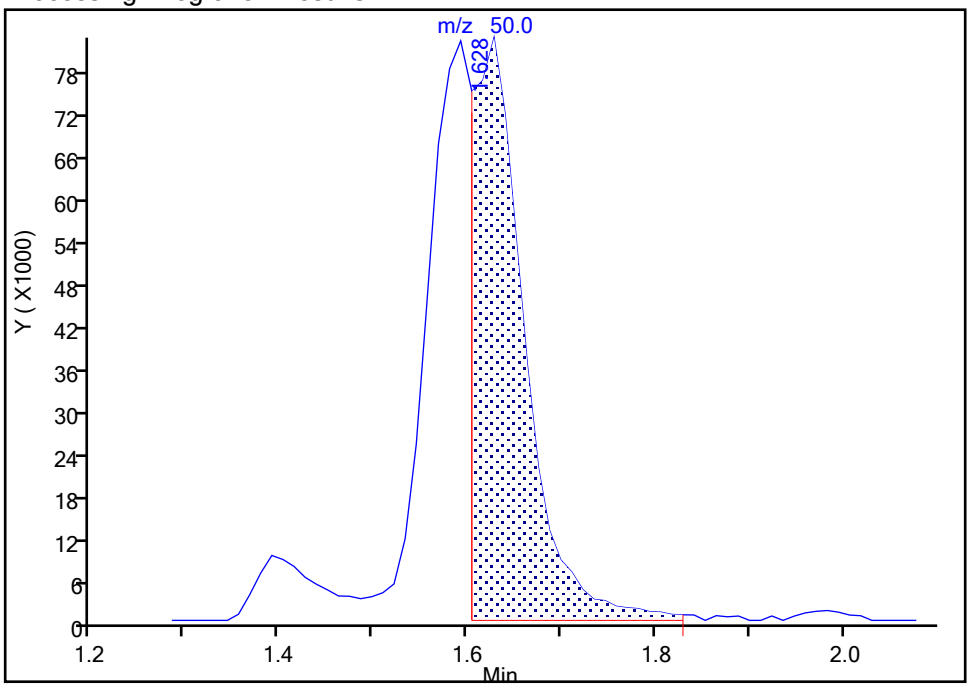
Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287639.D
Injection Date: 26-Aug-2021 19:02:30 Instrument ID: A3UX12
Lims ID: CCVIS
Client ID:
Operator ID: 001904 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

10 Chloromethane, CAS: 74-87-3

Signal: 1

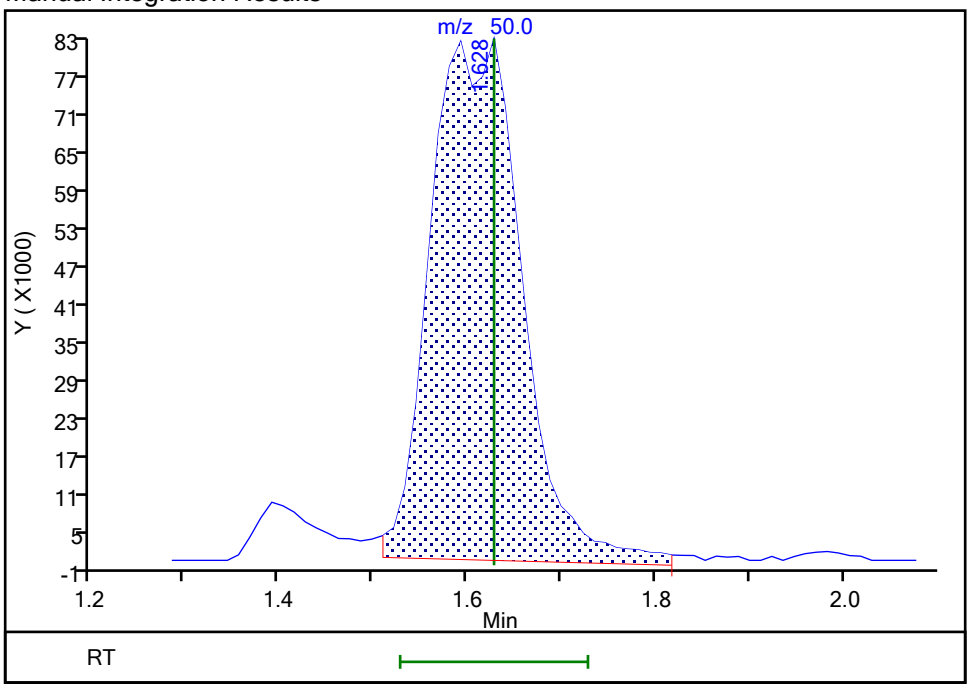
Processing Integration Results

RT: 1.63
Area: 331012
Amount: 11.237520
Amount Units: ug/l



Manual Integration Results

RT: 1.63
Area: 560733
Amount: 19.036314
Amount Units: ug/l



Reviewer: laveyt, 26-Aug-2021 19:29:24
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\BFB4720.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 31-Jul-2021 10:57:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0111756-001
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 31-Jul-2021 11:35:46 Calib Date: 21-Jan-2021 20:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210121-105867.b\U1283324.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1674

First Level Reviewer: laveyt Date: 31-Jul-2021 11:35:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	3.432	3.432	0.000	0	452489	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

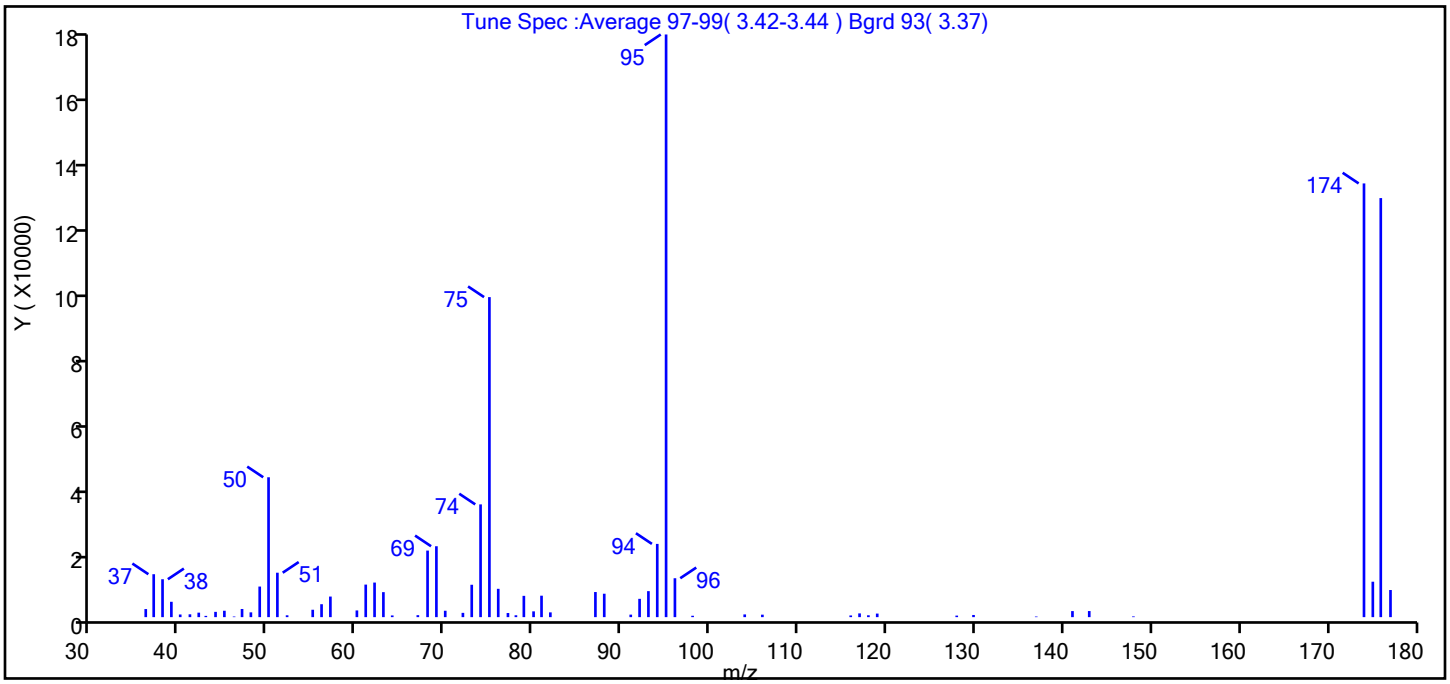
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\BFB4720.D
Injection Date: 31-Jul-2021 10:57:30 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	24.0
75	30 to 60% of m/z 95	54.9
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	74.4
175	5 to 9% of m/z 174	6.1 (8.2)
176	Greater than 95% but less than 101% of m/z 174	71.9 (96.6)
177	5 to 9% of m/z 176	4.7 (6.5)

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\BFB4720.D\8260_12_h2o.rslt\spectra.d
Injection Date: 31-Jul-2021 10:57:30
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	2377	55.00	2177	77.00	1215	116.00	495
37.00	12638	56.00	3808	78.00	554	117.00	1105
38.00	11159	57.00	6061	79.00	6269	118.00	551
39.00	4521	60.00	1974	80.00	1706	119.00	1050
40.00	781	61.00	9581	81.00	6315	128.00	454
41.00	834	62.00	10178	82.00	1406	130.00	638
42.00	1321	63.00	7357	87.00	7392	137.00	180
43.00	375	64.00	501	88.00	6894	141.00	1782
44.00	1556	67.00	582	91.00	741	143.00	1795
45.00	1883	68.00	19592	92.00	5391	148.00	212
46.00	180	69.00	20872	93.00	7653	174.00	127672
47.00	2401	70.00	1883	94.00	21560	175.00	10430
48.00	1411	72.00	1262	95.00	171520	176.00	123360
49.00	9005	73.00	9532	96.00	11453	177.00	7987
50.00	41176	74.00	33192	98.00	406		
51.00	13079	75.00	94208	104.00	803		
52.00	544	76.00	8338	106.00	731		

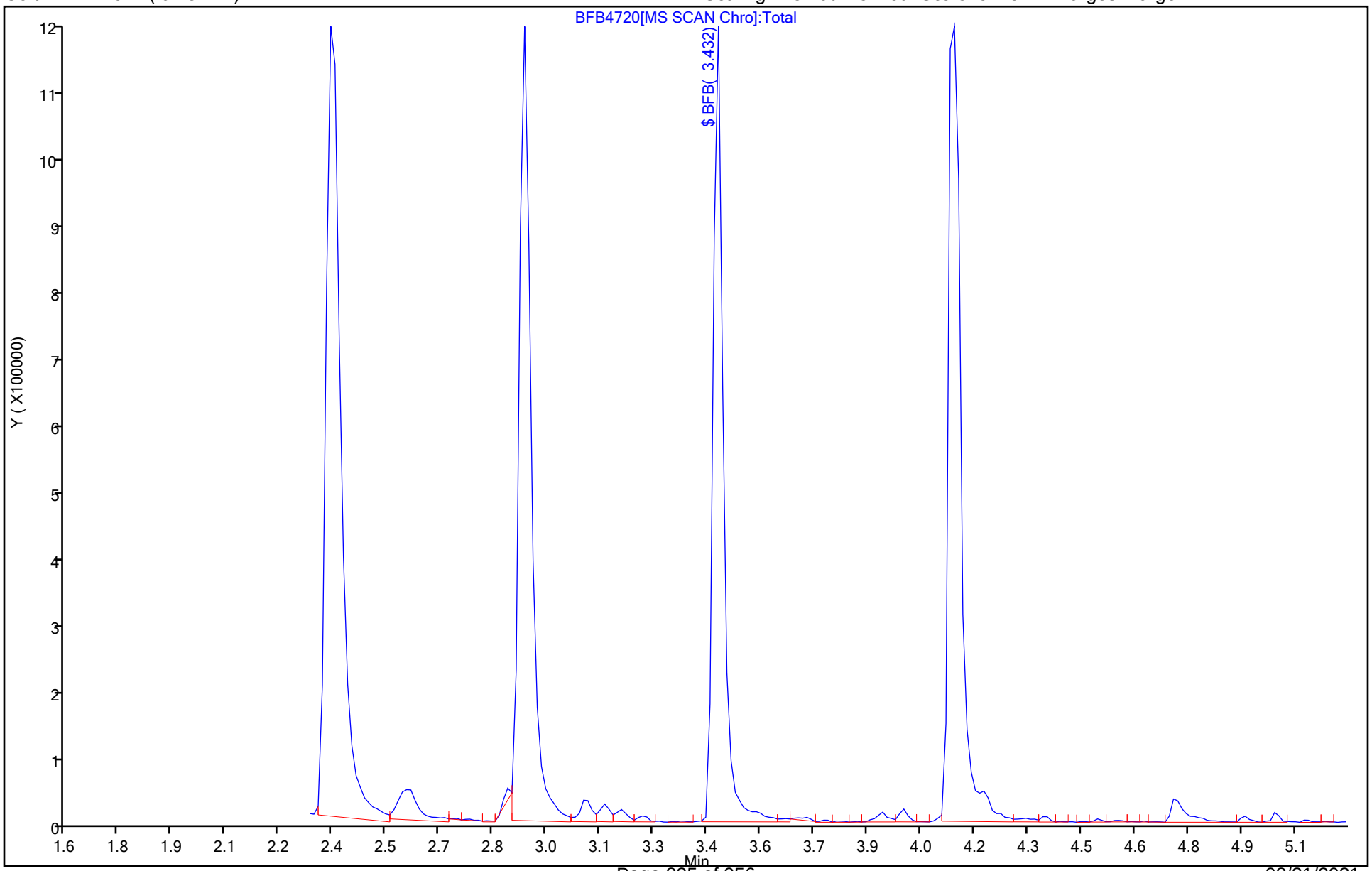
Report Date: 31-Jul-2021 11:35:47 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\BFB4720.D

Injection Date:	31-Jul-2021 10:57:30	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\20210802-111794.b\BFB4721.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 02-Aug-2021 16:50:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0111794-001
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210802-111794.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2021 17:01:35 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: laveyt Date: 02-Aug-2021 17:01:35

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	492182	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

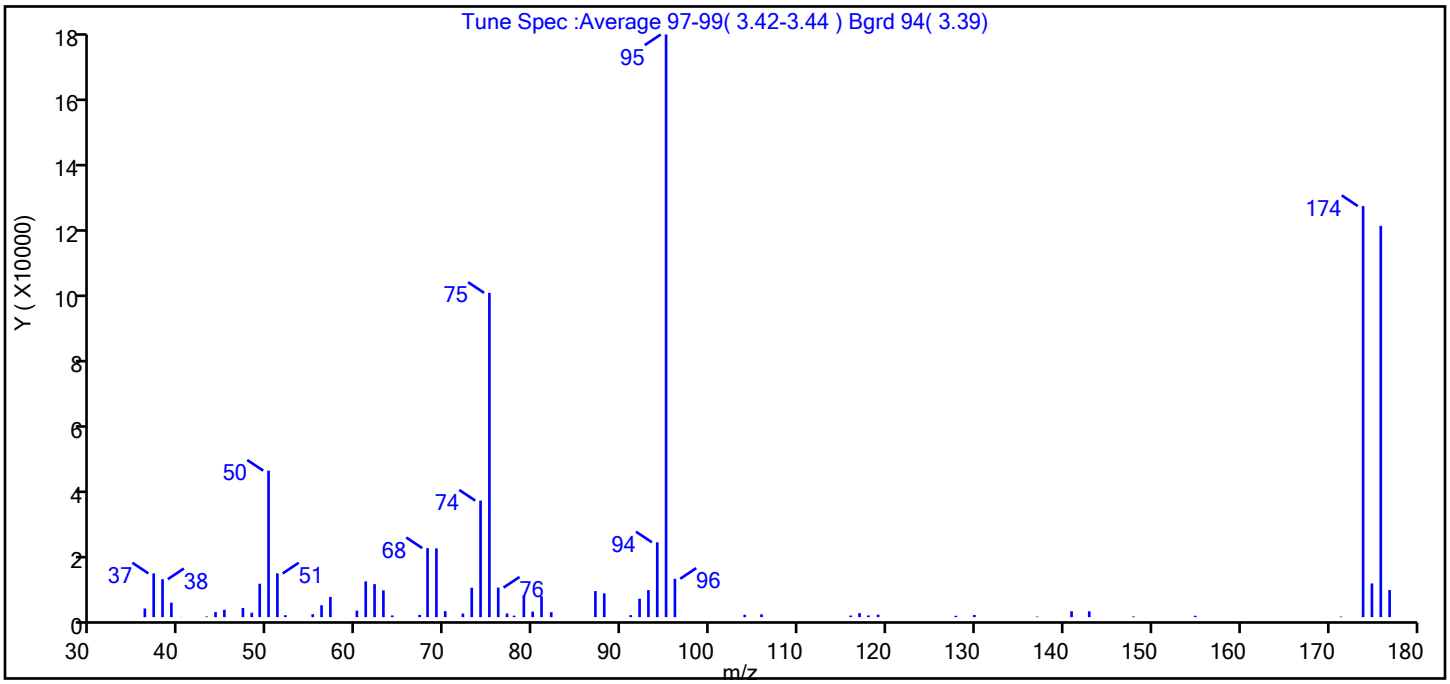
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210802-111794.b\BFB4721.D
Injection Date: 02-Aug-2021 16:50:30 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	25.1
75	30 to 60% of m/z 95	55.7
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	70.6
175	5 to 9% of m/z 174	5.8 (8.2)
176	Greater than 95% but less than 101% of m/z 174	67.2 (95.2)
177	5 to 9% of m/z 176	4.7 (6.9)

Data File: \\chromfs\Canton\ChromData\A3UX12\20210802-111794.b\BFB4721.D\8260_12_h2o.rslt\spectra.d
Injection Date: 02-Aug-2021 16:50:30
Spectrum: Tune Spec :Average 97-99(3.42-3.44) Bgrd 94(3.39)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2660	57.00	6204	78.00	471	117.00	1233
37.00	13425	60.00	1992	79.00	6611	118.00	515
38.00	11657	61.00	10965	80.00	1709	119.00	768
39.00	4436	62.00	10133	81.00	6391	128.00	425
40.00	56	63.00	8233	82.00	1523	130.00	666
43.00	215	64.00	514	87.00	7999	137.00	171
44.00	1549	67.00	688	88.00	7303	141.00	1802
45.00	2259	68.00	21192	91.00	631	143.00	1785
47.00	2814	69.00	21096	92.00	5666	148.00	227
48.00	1357	70.00	1828	93.00	8300	155.00	426
49.00	10256	72.00	1111	94.00	22976	171.00	168
50.00	44976	73.00	9030	95.00	178880	174.00	126200
51.00	13422	74.00	35784	96.00	11781	175.00	10354
52.00	600	75.00	99560	104.00	724	176.00	120120
55.00	903	76.00	9072	106.00	869	177.00	8322
56.00	3646	77.00	1126	116.00	497		

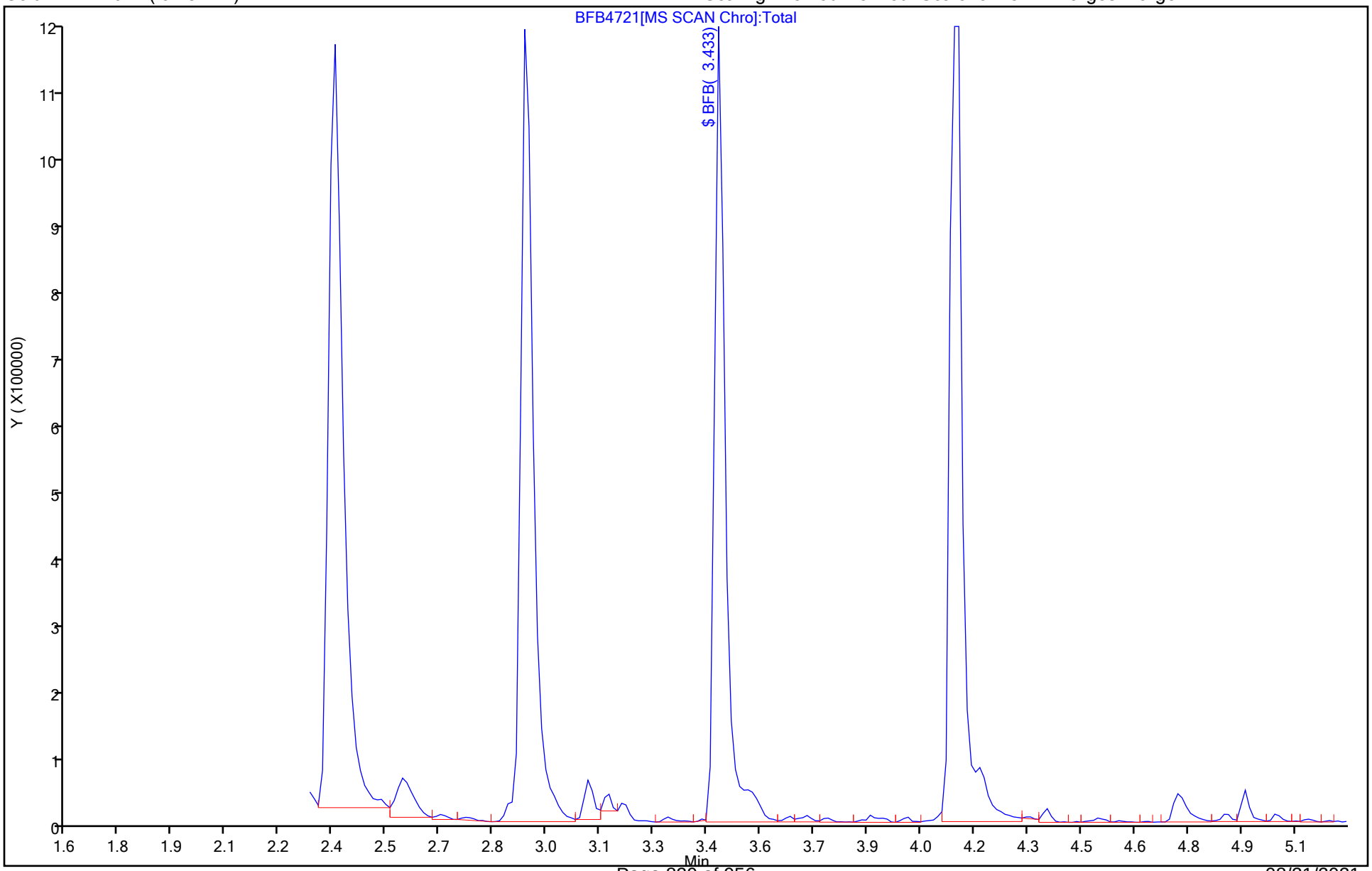
Report Date: 02-Aug-2021 17:01:35 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210802-111794.b\BFB4721.D

Injection Date:	02-Aug-2021 16:50:30	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\20210821-112421.b\BFB4735.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	21-Aug-2021 11:44:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112421-001				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	21-Aug-2021 11:52:21	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1616				
First Level Reviewer: laveyt		Date:	21-Aug-2021 11:52:21		

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	388561	NR	NR	a

QC Flag Legend

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

Reagents:

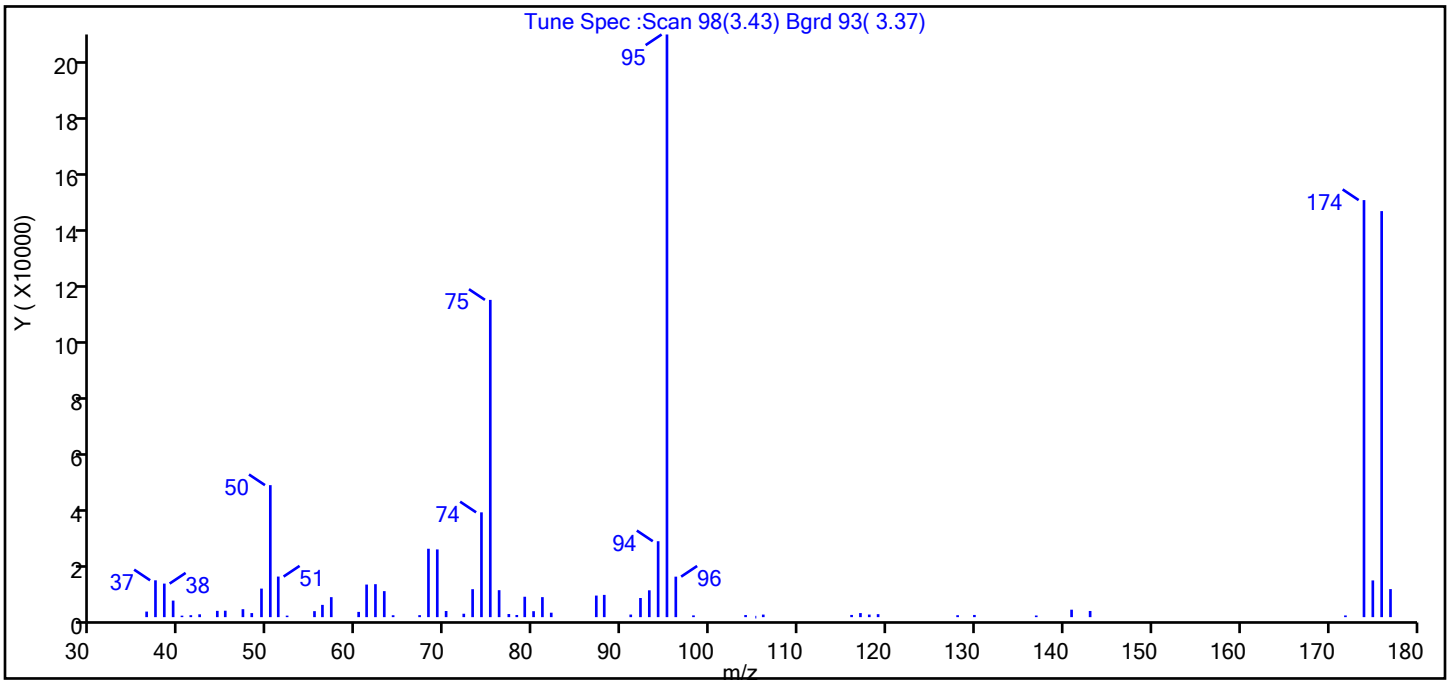
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\BFB4735.D
Injection Date: 21-Aug-2021 11:44:30 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	22.7
75	30 to 60% of m/z 95	54.5
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	71.6
175	5 to 9% of m/z 174	6.3 (8.8)
176	Greater than 95% but less than 101% of m/z 174	69.7 (97.4)
177	5 to 9% of m/z 176	4.8 (6.9)

Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\BFB4735.D\8260_12_h2o.rslt\spectra.d
Injection Date: 21-Aug-2021 11:44:30
Spectrum: Tune Spec :Scan 98(3.43) Bgrd 93(3.37)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1978	56.00	4358	77.00	1105	105.00	0
37.00	13078	57.00	7099	78.00	767	106.00	909
38.00	11914	60.00	1865	79.00	7244	116.00	786
39.00	5879	61.00	11571	80.00	2113	117.00	1446
40.00	530	62.00	11708	81.00	7107	118.00	914
41.00	693	63.00	9238	82.00	1577	119.00	1059
42.00	1005	64.00	675	87.00	7662	128.00	686
44.00	2232	67.00	708	88.00	7904	130.00	778
45.00	2284	68.00	24288	91.00	913	137.00	580
47.00	2826	69.00	24048	92.00	6798	141.00	2648
48.00	1444	70.00	2178	93.00	9528	143.00	2190
49.00	10138	72.00	1214	94.00	26960	172.00	601
50.00	46872	73.00	9930	95.00	206912	174.00	148096
51.00	14410	74.00	37216	96.00	14379	175.00	13041
52.00	539	75.00	112664	98.00	621	176.00	144192
55.00	2129	76.00	9573	104.00	743	177.00	9958

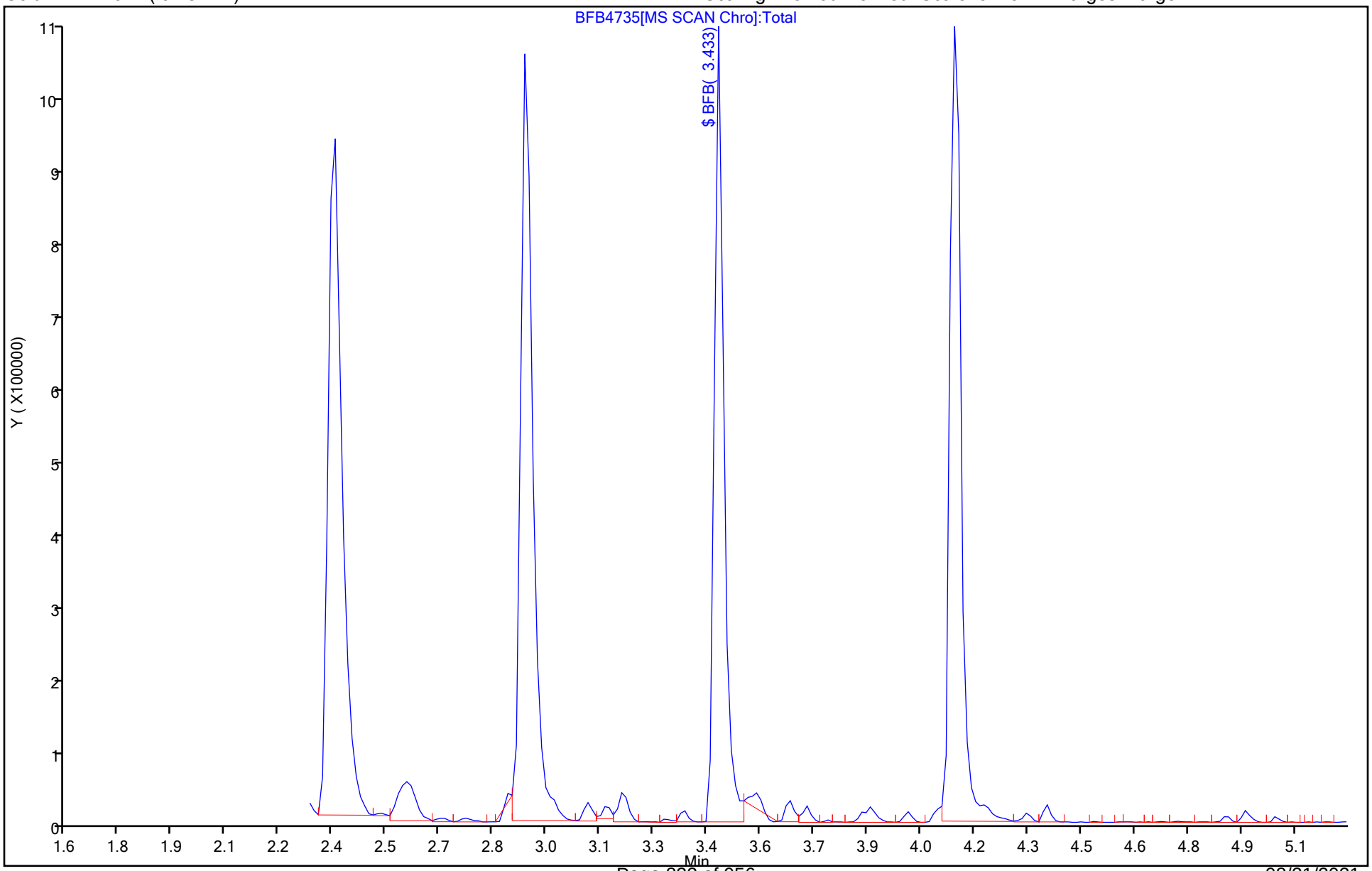
Report Date: 21-Aug-2021 11:52:22 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\BFB4735.D

Injection Date:	21-Aug-2021 11:44:30	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\20210823-112466.b\BFB4736.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 23-Aug-2021 16:44:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-001
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 16:56:10 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 16:56:10

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	508249	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

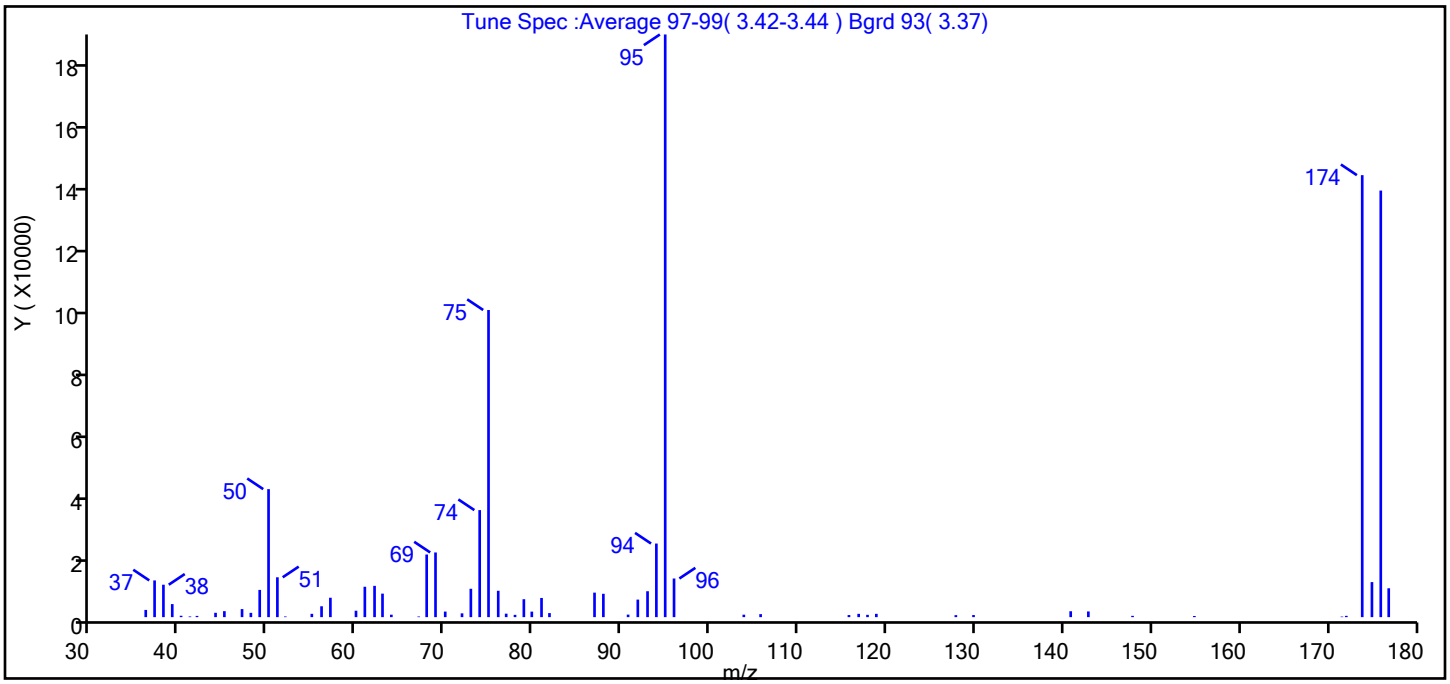
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\BFB4736.D
Injection Date: 23-Aug-2021 16:44:30 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	22.0
75	30 to 60% of m/z 95	52.7
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	75.9
175	5 to 9% of m/z 174	6.0 (7.9)
176	Greater than 95% but less than 101% of m/z 174	73.2 (96.5)
177	5 to 9% of m/z 176	5.0 (6.8)

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\BFB4736.D\8260_12_h2o.rslt\spectra.d
Injection Date: 23-Aug-2021 16:44:30
Spectrum: Tune Spec :Average 97-99(3.42-3.44) Bgrd 93(3.37)
Base Peak: 94.90
Minimum % Base Peak: 0
Number of Points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2339	56.00	3526	77.00	1127	116.00	680
37.00	11897	57.00	6287	78.00	742	117.00	1072
38.00	10505	60.00	2079	79.00	5810	118.00	747
39.00	4227	61.00	9842	80.00	1790	119.00	1074
40.00	449	62.00	10133	81.00	6214	128.00	649
41.00	221	63.00	7620	82.00	1315	130.00	681
42.00	400	64.00	795	87.00	7940	141.00	1913
44.00	1409	67.00	209	88.00	7566	143.00	1846
45.00	1941	68.00	20288	91.00	820	148.00	423
47.00	2611	69.00	20952	92.00	5683	155.00	368
48.00	1389	70.00	1804	93.00	8394	172.00	182
49.00	8820	72.00	1232	94.00	23840	172.00	422
50.00	41464	73.00	9189	95.00	188736	174.00	143168
51.00	12912	74.00	34672	96.00	12515	175.00	11357
52.00	214	75.00	99488	104.00	801	176.00	138176
55.00	1076	76.00	8544	106.00	975	177.00	9354

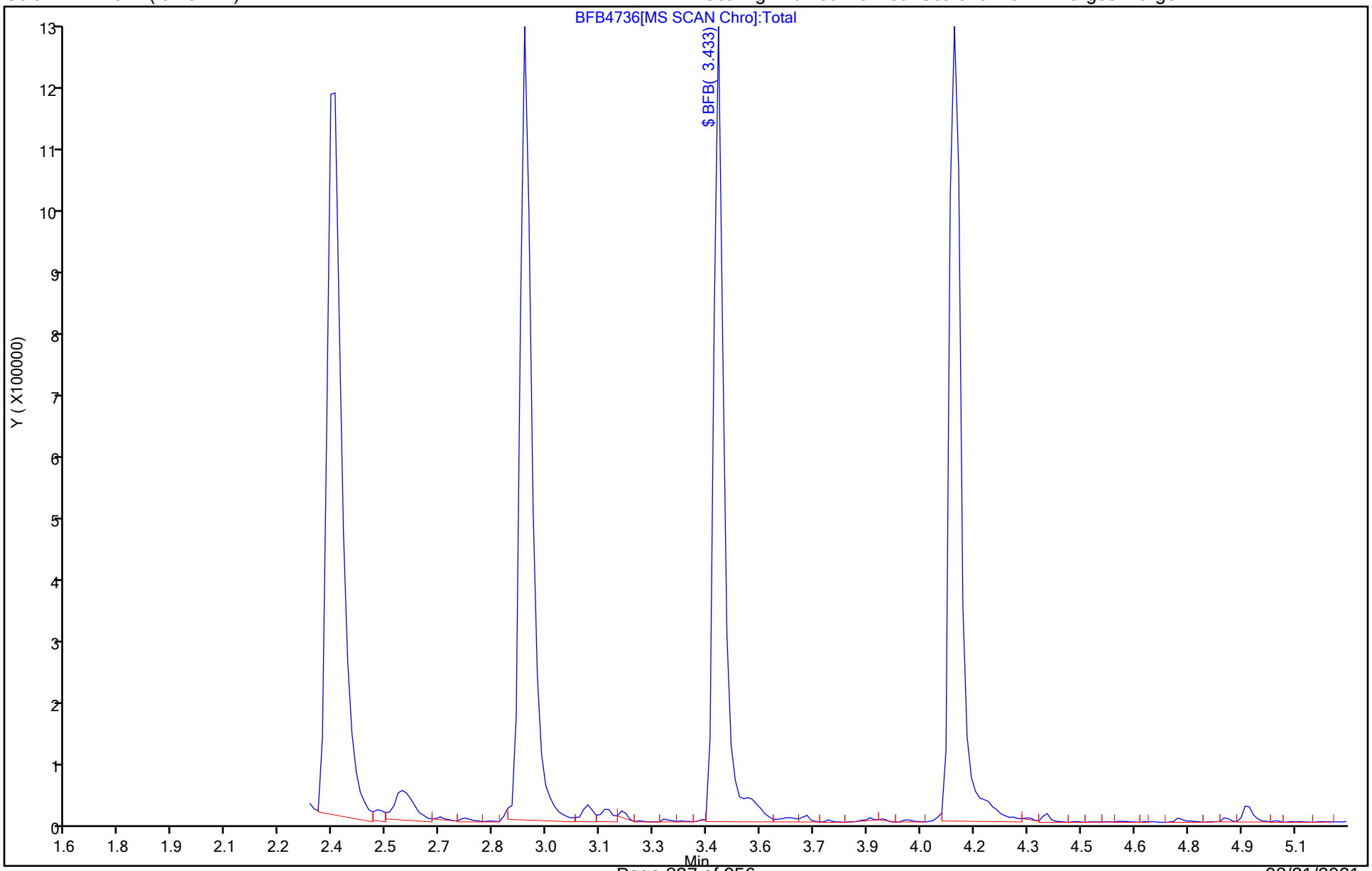
Report Date: 23-Aug-2021 16:56:11 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\BFB4736.D

Injection Date:	23-Aug-2021 16:44:30	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\20210826-112596.b\BFB4738.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 26-Aug-2021 18:15:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Aug-2021 18:28:39 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: laveyt Date: 26-Aug-2021 18:28:39

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	376165	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

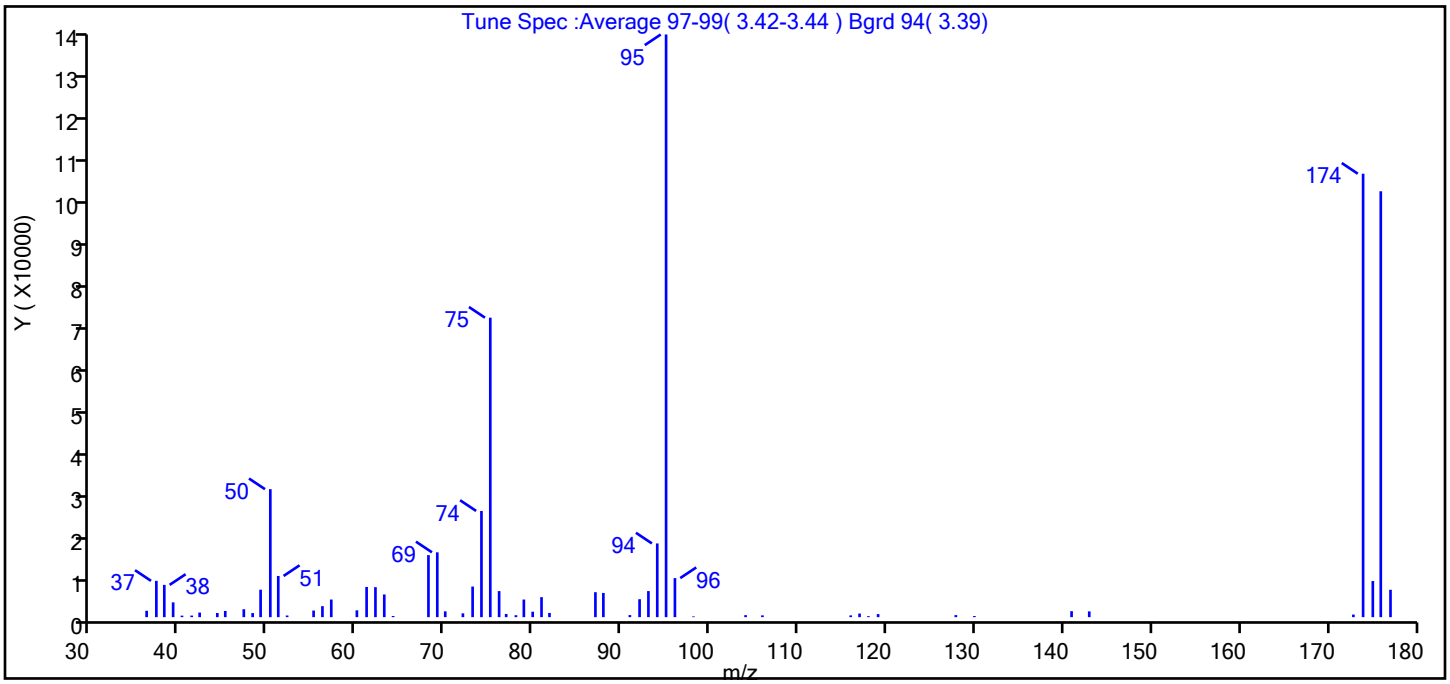
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\BFB4738.D
Injection Date: 26-Aug-2021 18:15:30 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	22.0
75	30 to 60% of m/z 95	51.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.4 (0.6)
174	50 to 120% of m/z 95	76.1
175	5 to 9% of m/z 174	6.2 (8.1)
176	Greater than 95% but less than 101% of m/z 174	73.1 (96.0)
177	5 to 9% of m/z 176	4.7 (6.4)

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\BFB4738.D\8260_12_h2o.rslt\spectra.d
Injection Date: 26-Aug-2021 18:15:30
Spectrum: Tune Spec :Average 97-99(3.42-3.44) Bgrd 94(3.39)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1528	56.00	2636	78.00	463	116.00	418
37.00	8694	57.00	4221	79.00	4217	117.00	863
38.00	7733	60.00	1635	80.00	1302	118.00	234
39.00	3541	61.00	7236	81.00	4789	119.00	730
40.00	362	62.00	7190	82.00	1008	128.00	493
41.00	378	63.00	5438	87.00	5978	130.00	264
42.00	1096	64.00	278	88.00	5796	141.00	1433
44.00	991	68.00	14866	91.00	498	143.00	1379
45.00	1483	69.00	15538	92.00	4298	173.00	616
47.00	1900	70.00	1389	93.00	6246	174.00	106280
48.00	977	72.00	912	94.00	17664	175.00	8658
49.00	6578	73.00	7331	95.00	139648	176.00	102072
50.00	30672	74.00	25456	96.00	9361	177.00	6558
51.00	9870	75.00	71776	98.00	172		
52.00	395	76.00	6245	104.00	478		
55.00	1579	77.00	760	106.00	428		

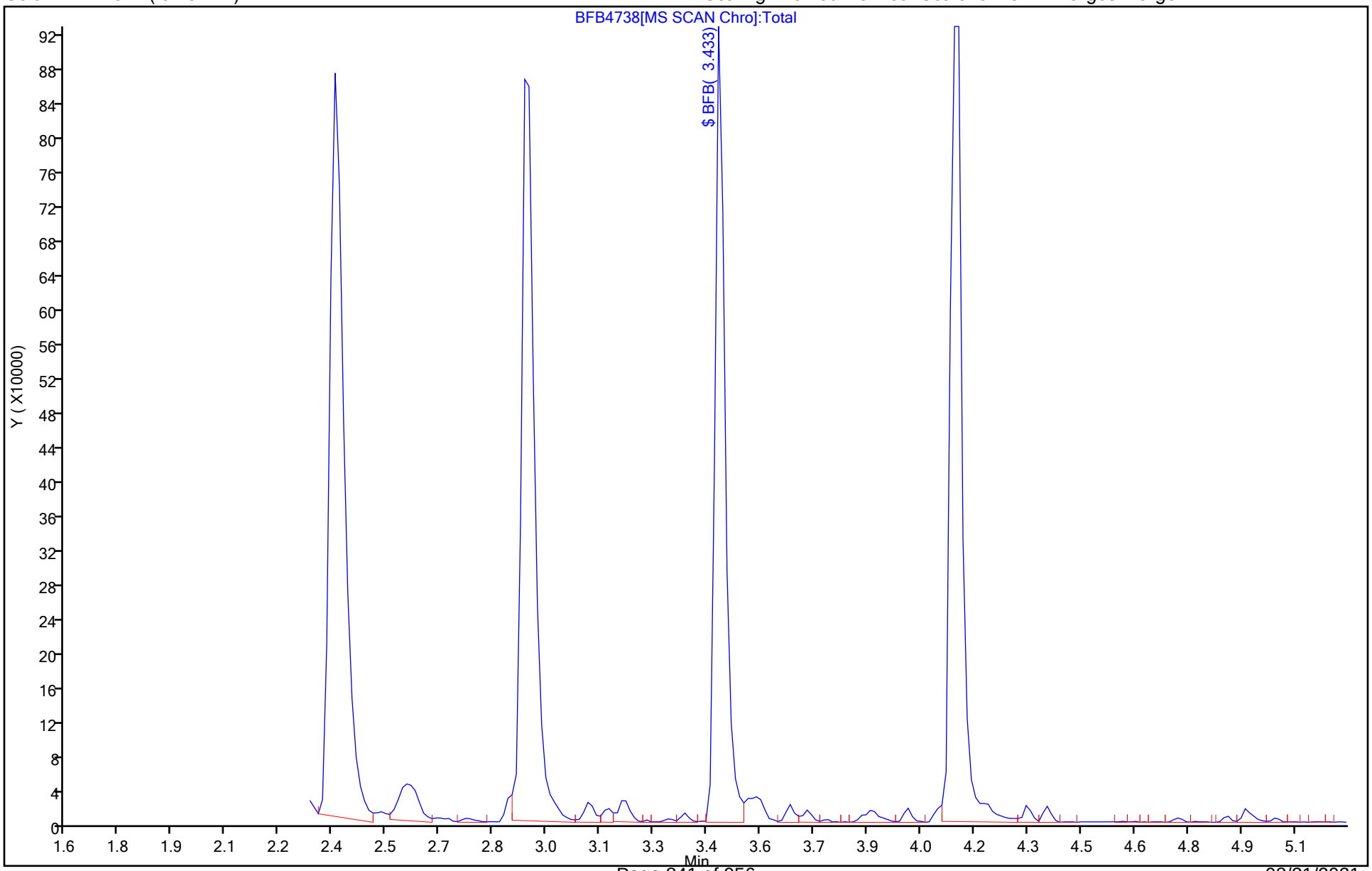
Report Date: 26-Aug-2021 18:28:39 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\BFB4738.D

Injection Date:	26-Aug-2021 18:15:30	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



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500502/8

Matrix: Water Lab File ID: U1287555.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 13:56

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500502/8

Matrix: Water Lab File ID: U1287555.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 13:56

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500502/8

Matrix: Water Lab File ID: U1287555.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 13:56

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500502/8

Matrix: Water Lab File ID: U1287555.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 13:56

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.: 500502 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\20210821-112421.b\U1287555.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 21-Aug-2021 13:56:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112421-008
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Aug-2021 14:28:32 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: laveyt Date: 21-Aug-2021 14:28:32

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	98	682091	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	91	425482	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	225902	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.539	0.000	92	182399	20.0	21.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.811	0.012	94	238568	20.0	23.3	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	619400	20.0	19.6	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	225639	20.0	20.2	
9 Dichlorodifluoromethane	85		1.415					ND	
10 Chloromethane	50		1.640					ND	
11 Butadiene	54		1.652					ND	
12 Vinyl chloride	62		1.688					ND	
13 1-Chloro-1-fluoroethane TIC	47		1.900					ND	
14 Bromomethane	94		1.936					ND	
15 Chloroethane	64		1.983					ND	
16 Dichlorofluoromethane	67		2.184					ND	
17 Trichlorofluoromethane	101		2.255					ND	
18 Methylal	45		2.346					ND	
19 Ethyl ether	59		2.433					ND	
20 Acrolein	56		2.551					ND	
21 1,1-Dichloroethene	61		2.646					ND	
22 112TCTFE	101		2.670					ND	
23 Acetone	43		2.693					ND	
24 Iodomethane	142		2.800					ND	
25 Carbon disulfide	76		2.847					ND	7
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	3.060	0.000	86	3506		0.2082	
30 2-Methyl-2-propanol	59		3.178					ND	
31 Acrylonitrile	53		3.273					ND	
32 trans-1,2-Dichloroethene	61		3.285					ND	
33 Methyl tert-butyl ether	73		3.285					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		3.640					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		4.681					ND	
52 Carbon tetrachloride	117		4.693					ND	
53 Isobutyl alcohol	41		4.800					ND	
54 Benzene	78		4.859					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		5.592					ND	
63 Methyl methacrylate	41		5.687					ND	
64 Dibromomethane	174		5.699					ND	
65 1,4-Dioxane	88		5.734					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		6.220					ND	
70 4-Methyl-2-pentanone (MIBK)	43		6.350					ND	U
71 Toluene	91		6.504					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		6.989					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	7
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		8.811					ND	
93 1,1,2,2-Tetrachloroethane	83		9.000					ND	
92 Bromobenzene	156		9.000					ND	
94 1,2,3-Trichloropropane	110		9.048					ND	
95 trans-1,4-Dichloro-2-butene	53		9.059					ND	
96 N-Propylbenzene	120		9.107					ND	
97 2-Chlorotoluene	126		9.190					ND	
98 1,3,5-Trimethylbenzene	105		9.272					ND	
99 4-Chlorotoluene	126		9.296					ND	
100 3-Ethyltoluene	105		9.324					ND	
101 2-Ethyltoluene	105		9.513					ND	
102 tert-Butylbenzene	119		9.592					ND	
103 Pentachloroethane	167		9.616					ND	
104 1,2,4-Trimethylbenzene	105		9.639					ND	
105 sec-Butylbenzene	105		9.805					ND	
106 1,3-Dichlorobenzene	146		9.923					ND	
107 4-Isopropyltoluene	119		9.959					ND	
108 1,4-Dichlorobenzene	146		10.006					ND	
109 1,2,3-Trimethylbenzene	105		10.065					ND	
110 Benzyl chloride	91		10.148					ND	
111 n-Butylbenzene	91		10.361					ND	
112 1,2-Dichlorobenzene	146		10.373					ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154					ND	
114 1,3,5-Trichlorobenzene	180		11.355					ND	
115 1,2,4-Trichlorobenzene	180		11.970					ND	
116 Hexachlorobutadiene	225		12.148					ND	
117 Naphthalene	128		12.219					ND	7
118 1,2,3-Trichlorobenzene	180		12.455					ND	
119 2-Methylnaphthalene	142	13.402	13.414	-0.012	89	3859		0.3706	
168 1-Methylnaphthalene	142	13.627	13.639	-0.012	89	4307		0.4890	
169 Isooctane	57		0.000					ND	
120 1,4-Dichlorobutane	1		-0.510					ND	
123 Epichlorohydrin	1		-0.510					ND	
121 Ethylene oxide	1		-0.510					ND	
122 Propene oxide	1		-0.510					ND	
S 125 Total BTEX	1		-0.510					ND	
S 124 Trihalomethanes, Total	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	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

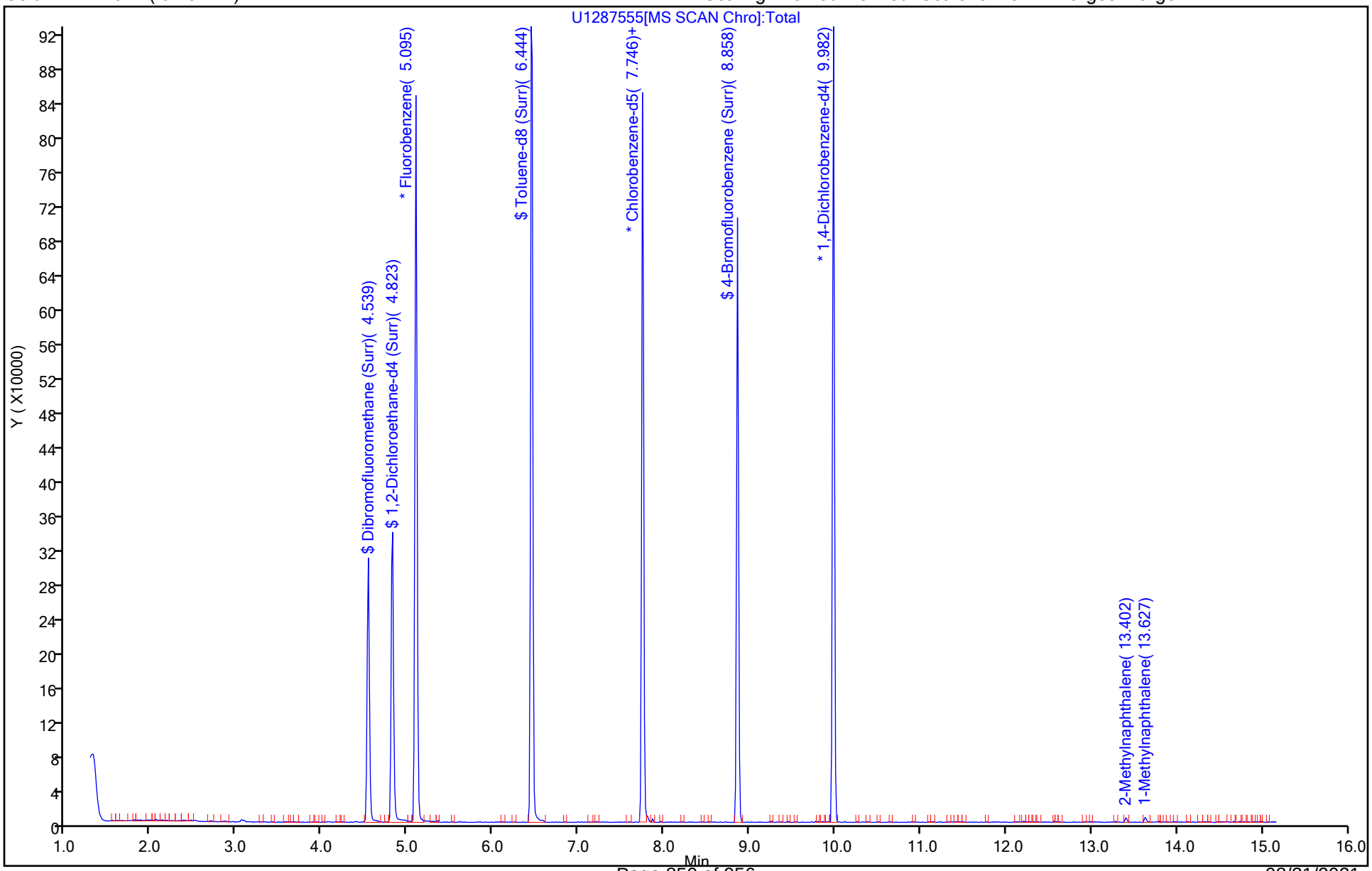
Report Date: 21-Aug-2021 14:28:32 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287555.D

Injection Date:	21-Aug-2021 13:56:30	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\20210821-112421.b\U1287555.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 21-Aug-2021 13:56:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112421-008
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Aug-2021 14:28:32 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: laveyt Date: 21-Aug-2021 14:28:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.2	106.18
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.3	116.65
$ 6 Toluene-d8 (Surr)	20.0	19.6	98.23
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.2	100.92

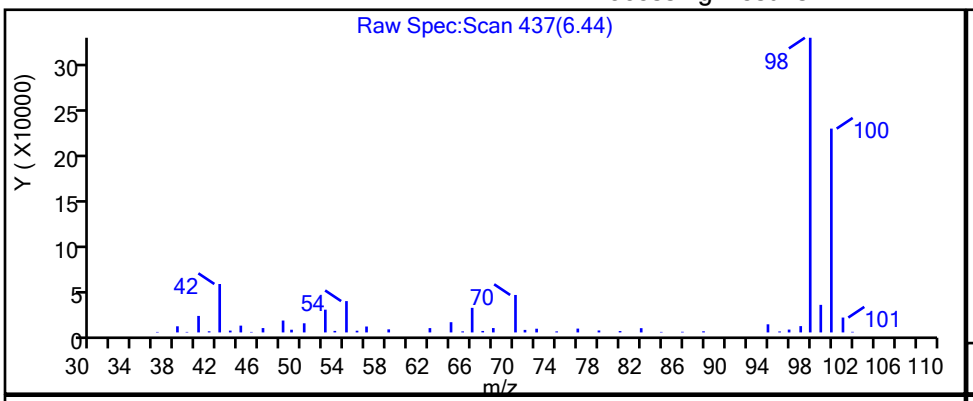
User Disabled Compound Report

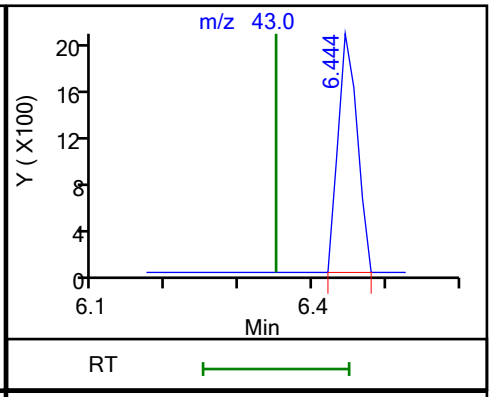
Eurofins TestAmerica, Canton

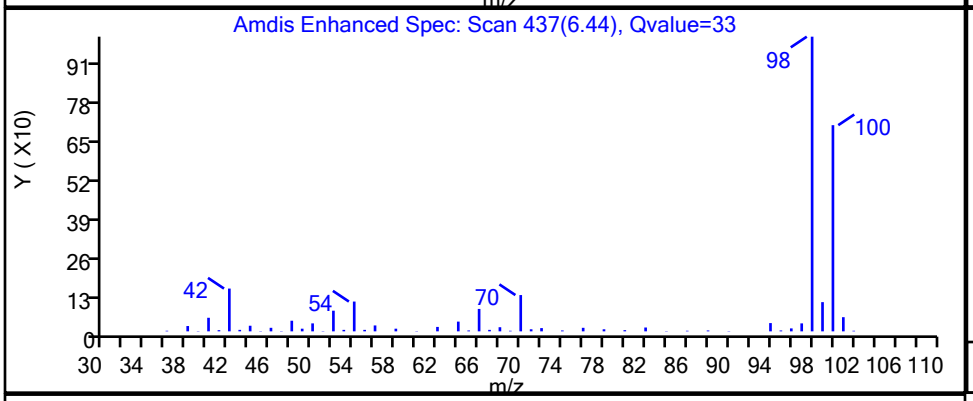
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287555.D				
Injection Date:	21-Aug-2021 13:56:30	Instrument ID:	A3UX12		
Lims ID:	MB				
Client ID:					
Operator ID:	001904	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

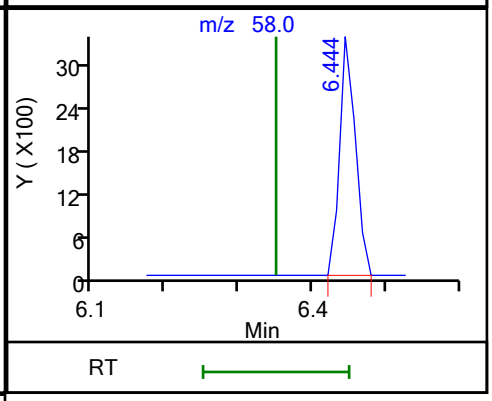
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

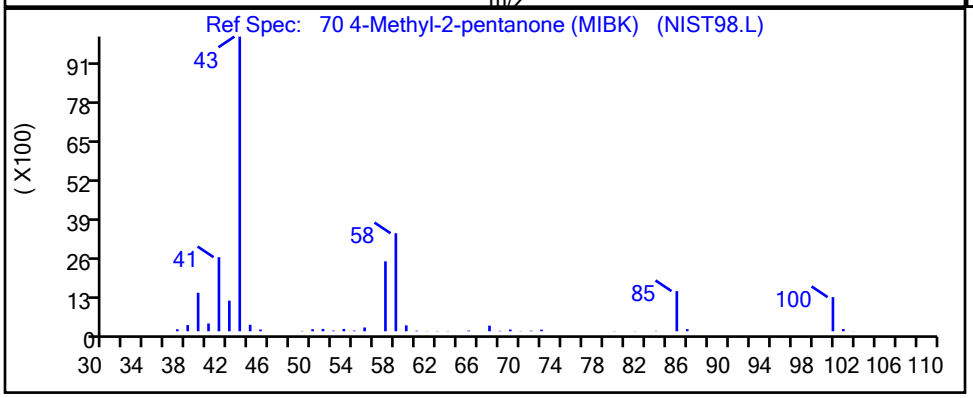
Processing Results











RT	Mass	Response	Amount
6.44	43.00	3655	0.266657
6.44	58.00	5049	

Reviewer: laveyt, 21-Aug-2021 14:28:19

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500679/8

Matrix: Water Lab File ID: U1287587.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 18:57

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500679/8

Matrix: Water Lab File ID: U1287587.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 18:57

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500679/8

Matrix: Water Lab File ID: U1287587.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 18:57

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	104		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-500679/8

Matrix: Water Lab File ID: U1287587.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 18:57

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 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\20210823-112466.b\U1287587.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 23-Aug-2021 18:57:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-008
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 19:34:05 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 19:34:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	737228	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	485889	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	244662	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	193846	20.0	20.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	257286	20.0	23.3	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	704106	20.0	19.6	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	262094	20.0	20.5	
9 Dichlorodifluoromethane	85		1.403					ND	
10 Chloromethane	50		1.628					ND	
11 Butadiene	54		1.640					ND	
12 Vinyl chloride	62		1.676					ND	
13 1-Chloro-1-fluoroethane TIC	47		1.900					ND	
14 Bromomethane	94		1.936					ND	
15 Chloroethane	64		1.983					ND	
16 Dichlorofluoromethane	67		2.184					ND	
17 Trichlorofluoromethane	101		2.244					ND	
18 Methylal	45		2.346					ND	
19 Ethyl ether	59		2.433					ND	
20 Acrolein	56		2.551					ND	
21 1,1-Dichloroethene	61		2.646					ND	
22 112TCTFE	101		2.658					ND	
23 Acetone	43		2.681					ND	
24 Iodomethane	142		2.788					ND	
25 Carbon disulfide	76		2.847					ND	7
26 Acetonitrile	41		2.930					ND	
27 3-Chloro-1-propene	41		2.942					ND	
28 Methyl acetate	43		2.965					ND	
29 Methylene Chloride	49		3.060					ND	
30 2-Methyl-2-propanol	59		3.167					ND	
31 Acrylonitrile	53		3.273					ND	
32 trans-1,2-Dichloroethene	61		3.285					ND	
33 Methyl tert-butyl ether	73		3.285					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		3.640					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	
40 2,2-Dichloropropane	77		4.125					ND	
41 cis-1,2-Dichloroethene	96		4.137					ND	
42 2-Butanone (MEK)	72		4.149					ND	
43 Ethyl acetate	43		4.196					ND	
44 Propionitrile	54		4.208					ND	
46 Chlorobromomethane	49		4.326					ND	
45 Methacrylonitrile	41		4.326					ND	
47 Tetrahydrofuran	42		4.373					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		4.681					ND	
52 Carbon tetrachloride	117		4.693					ND	
53 Isobutyl alcohol	41		4.788					ND	
54 Benzene	78		4.859					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		5.557					ND	
62 1,2-Dichloropropane	63		5.592					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	U
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		6.989					ND	
77 1,3-Dichloropropane	76		7.012					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	7
83 Chlorobenzene	112		7.770					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		8.550					ND	
90 Isopropylbenzene	105		8.704					ND	
91 Cyclohexanone	55		8.811					ND	
93 1,1,2,2-Tetrachloroethane	83		9.000					ND	
92 Bromobenzene	156		9.000					ND	
94 1,2,3-Trichloropropane	110		9.047					ND	
95 trans-1,4-Dichloro-2-butene	53		9.059					ND	
96 N-Propylbenzene	120		9.107					ND	
97 2-Chlorotoluene	126		9.189					ND	
98 1,3,5-Trimethylbenzene	105		9.272					ND	
99 4-Chlorotoluene	126		9.296					ND	
100 3-Ethyltoluene	105		9.324					ND	
101 2-Ethyltoluene	105		9.513					ND	
102 tert-Butylbenzene	119		9.592					ND	
103 Pentachloroethane	167		9.615					ND	
104 1,2,4-Trimethylbenzene	105		9.639					ND	
105 sec-Butylbenzene	105		9.805					ND	
106 1,3-Dichlorobenzene	146		9.923					ND	
107 4-Isopropyltoluene	119		9.947					ND	
108 1,4-Dichlorobenzene	146		10.006					ND	
109 1,2,3-Trimethylbenzene	105		10.053					ND	
110 Benzyl chloride	91		10.148					ND	
111 n-Butylbenzene	91		10.361					ND	
112 1,2-Dichlorobenzene	146		10.373					ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154					ND	
114 1,3,5-Trichlorobenzene	180		11.355					ND	
115 1,2,4-Trichlorobenzene	180		11.970					ND	
116 Hexachlorobutadiene	225		12.136					ND	U
117 Naphthalene	128		12.219					ND	7
118 1,2,3-Trichlorobenzene	180		12.455					ND	
119 2-Methylnaphthalene	142	13.402	13.414	-0.012	85	4313		0.3825	
168 1-Methylnaphthalene	142	13.627	13.639	-0.012	88	5097		0.5344	
169 Isooctane	57		0.000					ND	
120 1,4-Dichlorobutane	1		-0.510					ND	
123 Epichlorohydrin	1		-0.510					ND	
121 Ethylene oxide	1		-0.510					ND	
122 Propene oxide	1		-0.510					ND	
S 125 Total BTEX	1		-0.510					ND	
S 124 Trihalomethanes, Total	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	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

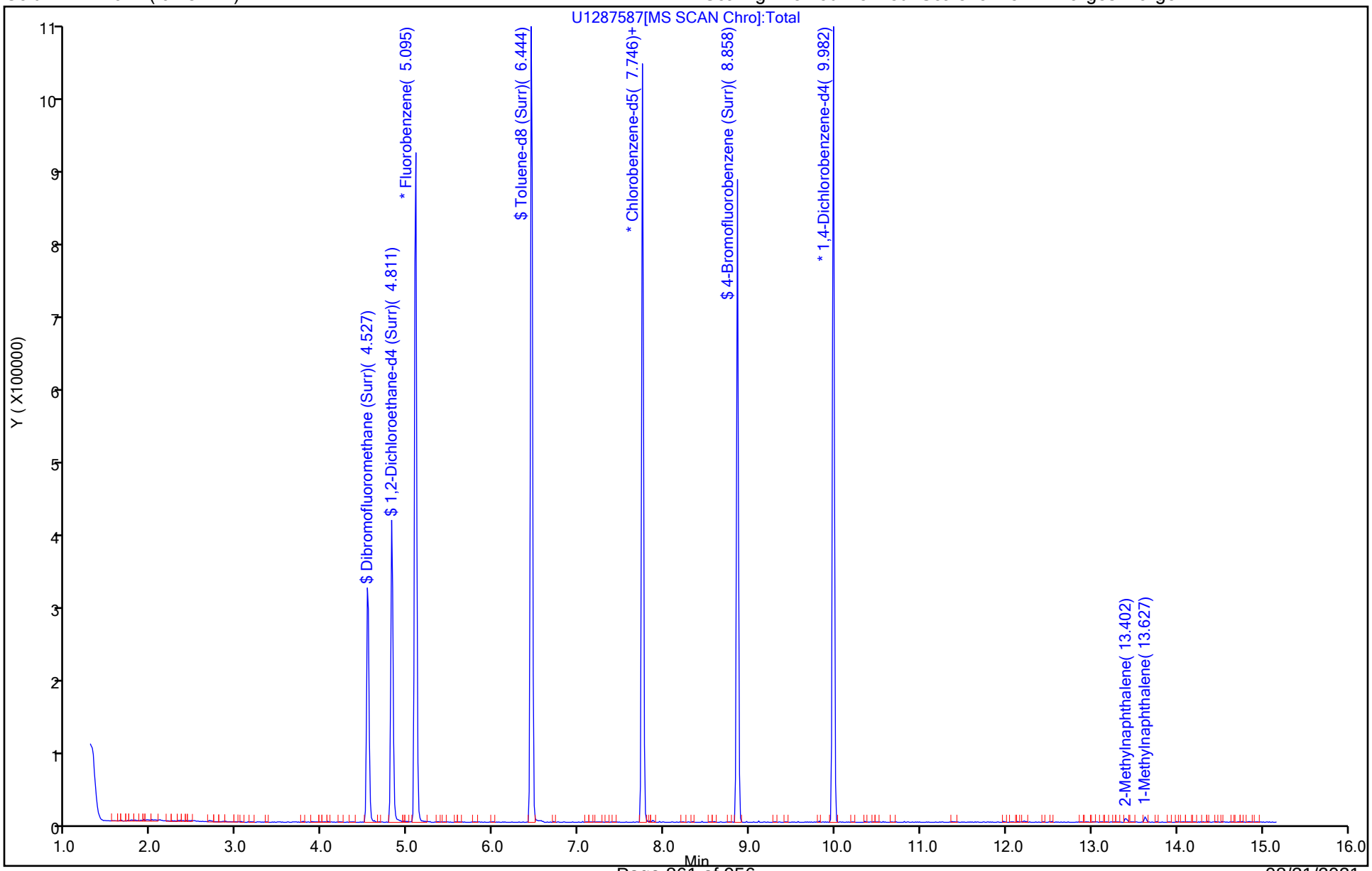
Report Date: 23-Aug-2021 19:34:05 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287587.D

Injection Date:	23-Aug-2021 18:57:30	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\20210823-112466.b\U1287587.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	23-Aug-2021 18:57:30	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112466-008				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	23-Aug-2021 19:34:05	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1677				

First Level Reviewer: laveyt Date: 23-Aug-2021 19:34:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.9	104.40
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.3	116.40
$ 6 Toluene-d8 (Surr)	20.0	19.6	97.78
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.5	102.65

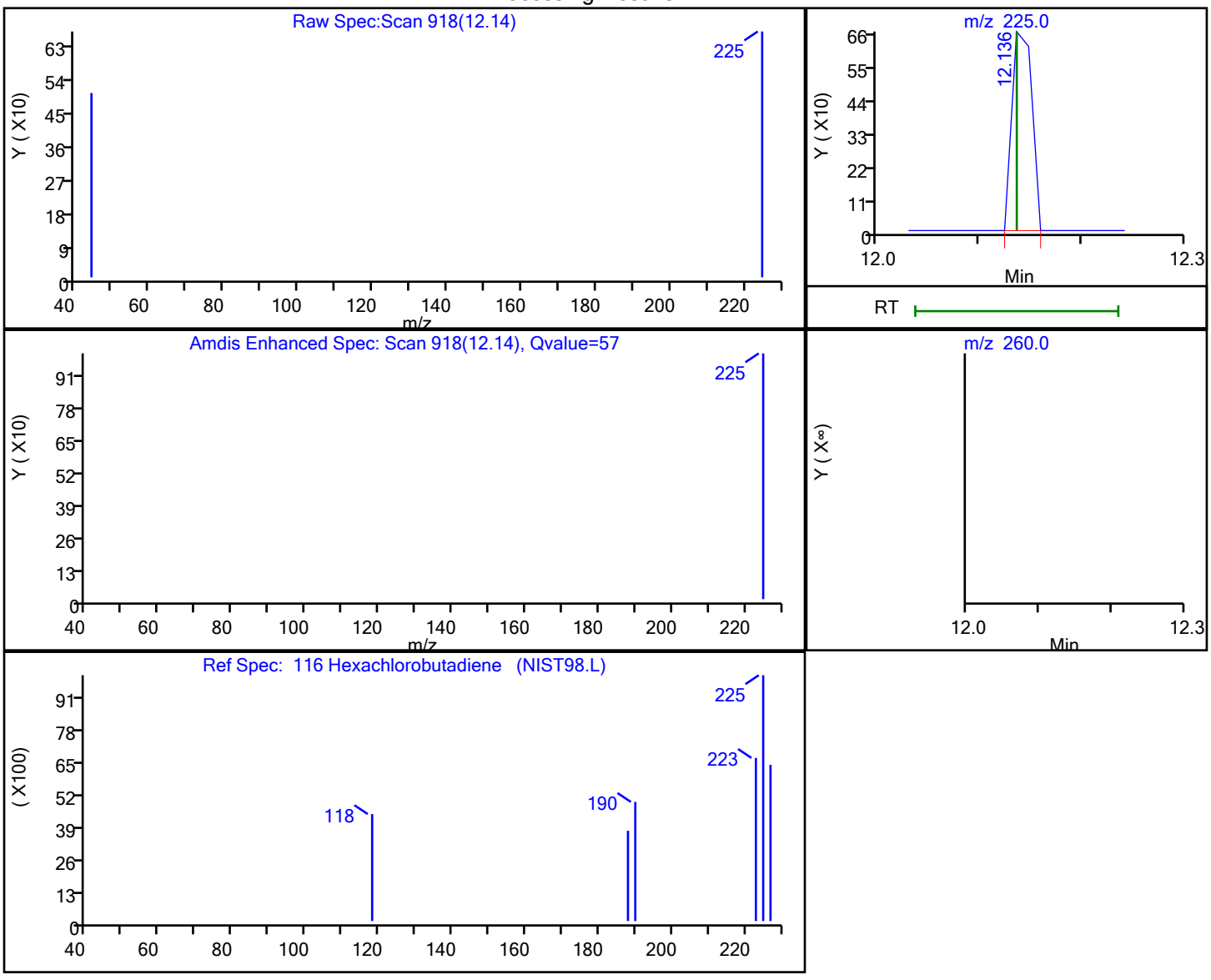
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287587.D				
Injection Date:	23-Aug-2021 18:57:30	Instrument ID:	A3UX12		
Lims ID:	MB				
Client ID:					
Operator ID:	001904	ALS Bottle#:	7	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		

116 Hexachlorobutadiene, CAS: 87-68-3

Processing Results



RT	Mass	Response	Amount
12.14	225.00	912	0.265223
12.14	260.00	0	

Reviewer: laveyt, 23-Aug-2021 19:33:58

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

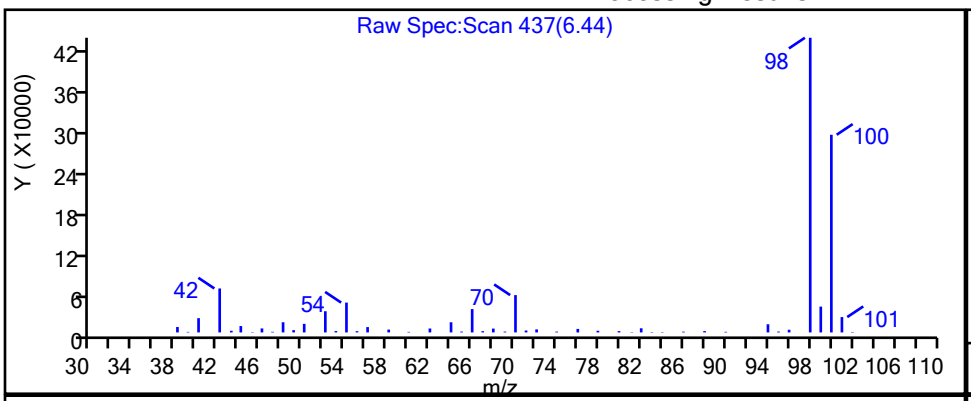
User Disabled Compound Report

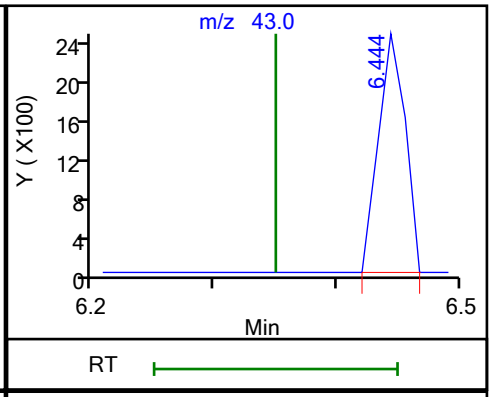
Eurofins TestAmerica, Canton

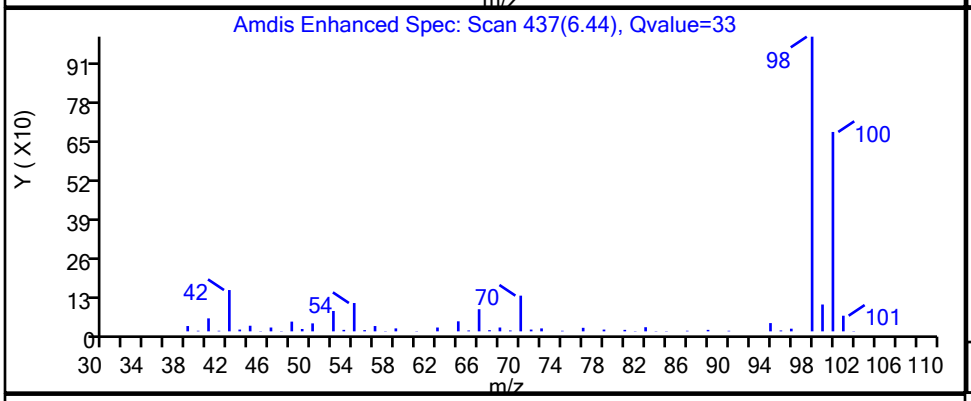
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287587.D				
Injection Date:	23-Aug-2021 18:57:30	Instrument ID:	A3UX12		
Lims ID:	MB				
Client ID:					
Operator ID:	001904	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

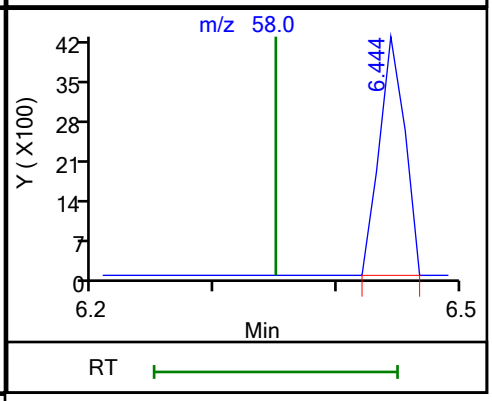
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

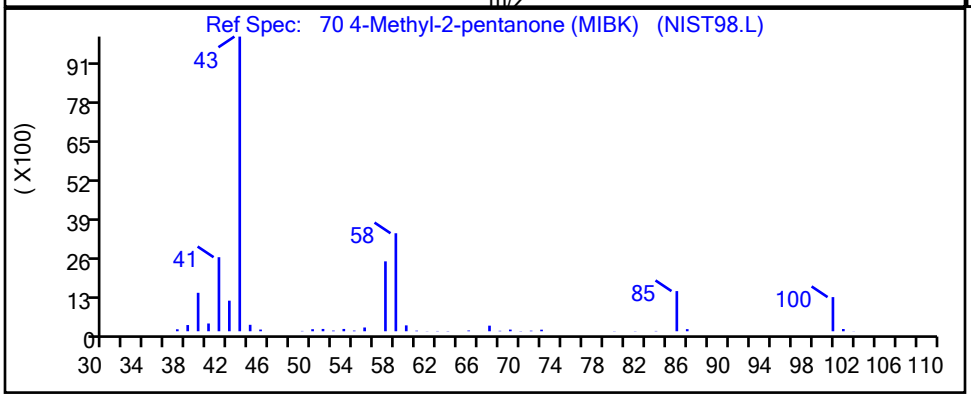
Processing Results











RT	Mass	Response	Amount
6.44	43.00	3660	0.247051
6.44	58.00	6100	

Reviewer: laveyt, 23-Aug-2021 19:33:50

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-501270/8

Matrix: Water Lab File ID: U1287643.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
108-86-1	Bromobenzene	1.0	U	1.0	0.50
74-97-5	Bromochloromethane	1.0	U	1.0	0.54
75-27-4	Bromodichloromethane	1.0	U	1.0	0.17
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
78-93-3	2-Butanone	10	U	10	1.2
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	10	U	10	1.5
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
95-49-8	2-Chlorotoluene	1.0	U	1.0	0.57
106-43-4	4-Chlorotoluene	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
124-48-1	Dibromochloromethane	1.0	U	1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.41
74-95-3	Dibromomethane	1.0	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.48
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.45
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.41
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
142-28-9	1,3-Dichloropropane	1.0	U	1.0	0.21
594-20-7	2,2-Dichloropropane	1.0	U	1.0	0.78
563-58-6	1,1-Dichloropropene	1.0	U	1.0	0.36
108-20-3	Diisopropyl ether	10	U	10	0.17
100-41-4	Ethylbenzene	1.0	U	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-501270/8

Matrix: Water Lab File ID: U1287643.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
637-92-3	Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.83
591-78-6	2-Hexanone	10	U	10	1.1
98-82-8	Isopropylbenzene	1.0	U	1.0	0.49
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	10	U	10	0.99
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.42
91-20-3	Naphthalene	1.0	U	1.0	0.80
104-51-8	n-Butylbenzene	1.0	U	1.0	0.60
103-65-1	n-Propylbenzene	1.0	U	1.0	0.57
95-47-6	o-Xylene	1.0	U	1.0	0.42
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.56
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.53
100-42-5	Styrene	1.0	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43
75-65-0	tert-Butyl alcohol	40	U	40	7.2
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	1.0	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.52
108-05-4	Vinyl acetate	2.0	U	2.0	0.61
75-01-4	Vinyl chloride	1.0	U	1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-501270/8

Matrix: Water Lab File ID: U1287643.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
1868-53-7	Dibromofluoromethane (Surr)	110		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-501270/8

Matrix: Water Lab File ID: U1287643.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 20:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 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\20210826-112596.b\U1287643.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Aug-2021 20:31:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-008
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Aug-2021 20:52:37 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: laveyt Date: 26-Aug-2021 20:52:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	670896	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	88	444250	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	243186	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	92	186197	20.0	22.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	94	240329	20.0	23.9	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	625473	20.0	19.0	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	85	238891	20.0	20.5	
9 Dichlorodifluoromethane	85		1.391					ND	
10 Chloromethane	50		1.628					ND	
11 Butadiene	54		1.640					ND	
12 Vinyl chloride	62		1.675					ND	
13 1-Chloro-1-fluoroethane TIC	47		1.900					ND	
14 Bromomethane	94		1.924					ND	
15 Chloroethane	64		1.983					ND	
16 Dichlorofluoromethane	67		2.172					ND	
17 Trichlorofluoromethane	101		2.243					ND	
18 Methylal	45		2.346					ND	
19 Ethyl ether	59		2.421					ND	
20 Acrolein	56		2.551					ND	
21 1,1-Dichloroethene	61		2.622					ND	
22 112TCTFE	101		2.658					ND	
23 Acetone	43		2.681					ND	
24 Iodomethane	142		2.776					ND	
25 Carbon disulfide	76		2.835					ND	7
26 Acetonitrile	41		2.930					ND	
27 3-Chloro-1-propene	41		2.942					ND	
28 Methyl acetate	43		2.965					ND	
29 Methylene Chloride	49		3.048					ND	
30 2-Methyl-2-propanol	59		3.155					ND	
31 Acrylonitrile	53		3.273					ND	
32 trans-1,2-Dichloroethene	61		3.285					ND	
33 Methyl tert-butyl ether	73		3.285					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		3.640					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		4.125					ND	
40 2,2-Dichloropropane	77		4.125					ND	
42 2-Butanone (MEK)	72		4.137					ND	
43 Ethyl acetate	43		4.196					ND	U
44 Propionitrile	54		4.208					ND	
46 Chlorobromomethane	49		4.326					ND	
45 Methacrylonitrile	41		4.326					ND	
47 Tetrahydrofuran	42		4.362					ND	
48 Chloroform	83		4.397					ND	
49 1,1,1-Trichloroethane	97		4.551					ND	
50 Cyclohexane	84		4.598					ND	
52 Carbon tetrachloride	117		4.681					ND	
51 1,1-Dichloropropene	75		4.681					ND	
53 Isobutyl alcohol	41		4.787					ND	
54 Benzene	78		4.858					ND	
55 1,2-Dichloroethane	62		4.882					ND	
56 Tert-amyl methyl ether	73		4.953					ND	
57 n-Heptane	57		5.071					ND	
58 n-Butanol	56		5.344					ND	
59 Trichloroethene	130		5.403					ND	
60 Ethyl acrylate	55		5.486					ND	
61 Methylcyclohexane	83		5.557					ND	
62 1,2-Dichloropropane	63		5.592					ND	
63 Methyl methacrylate	41		5.687					ND	
64 Dibromomethane	174		5.699					ND	
65 1,4-Dioxane	88		5.710					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		6.349					ND	U
71 Toluene	91		6.503					ND	
72 trans-1,3-Dichloropropene	75		6.704					ND	
73 Tetrahydrothiophene	60		6.745					ND	
74 Ethyl methacrylate	69		6.775					ND	
75 1,1,2-Trichloroethane	97		6.870					ND	
76 Tetrachloroethene	166		6.988					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	7
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		7.982					ND	
87 o-Xylene	106		8.361					ND	
88 Styrene	104		8.373					ND	
89 Bromoform	173		8.550					ND	
90 Isopropylbenzene	105		8.704					ND	
91 Cyclohexanone	55		8.811					ND	
93 1,1,2,2-Tetrachloroethane	83		9.000					ND	
92 Bromobenzene	156		9.000					ND	
94 1,2,3-Trichloropropane	110		9.047					ND	
95 trans-1,4-Dichloro-2-butene	53		9.059					ND	
96 N-Propylbenzene	120		9.107					ND	
97 2-Chlorotoluene	126		9.189					ND	
98 1,3,5-Trimethylbenzene	105		9.272					ND	
99 4-Chlorotoluene	126		9.296					ND	
100 3-Ethyltoluene	105		9.324					ND	
101 2-Ethyltoluene	105		9.513					ND	
102 tert-Butylbenzene	119		9.592					ND	
103 Pentachloroethane	167		9.616					ND	
104 1,2,4-Trimethylbenzene	105		9.639					ND	
105 sec-Butylbenzene	105		9.805					ND	
106 1,3-Dichlorobenzene	146		9.923					ND	
107 4-Isopropyltoluene	119		9.958					ND	
108 1,4-Dichlorobenzene	146		10.006					ND	
109 1,2,3-Trimethylbenzene	105		10.065					ND	
110 Benzyl chloride	91		10.148					ND	
111 n-Butylbenzene	91		10.361					ND	
112 1,2-Dichlorobenzene	146		10.373					ND	
113 1,2-Dibromo-3-Chloropropane	157		11.154					ND	
114 1,3,5-Trichlorobenzene	180		11.355					ND	
115 1,2,4-Trichlorobenzene	180		11.970					ND	
116 Hexachlorobutadiene	225		12.148					ND	U
117 Naphthalene	128		12.219					ND	7
118 1,2,3-Trichlorobenzene	180		12.455					ND	
119 2-Methylnaphthalene	142	13.402	13.414	-0.012	81	3843		0.3429	
168 1-Methylnaphthalene	142	13.639	13.639	0.000	86	4607		0.4859	
169 Isooctane	57		0.000					ND	
120 1,4-Dichlorobutane	1		-0.510					ND	
123 Epichlorohydrin	1		-0.510					ND	
121 Ethylene oxide	1		-0.510					ND	
122 Propene oxide	1		-0.510					ND	
S 125 Total BTEX	1		-0.510					ND	
S 124 Trihalomethanes, Total	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	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

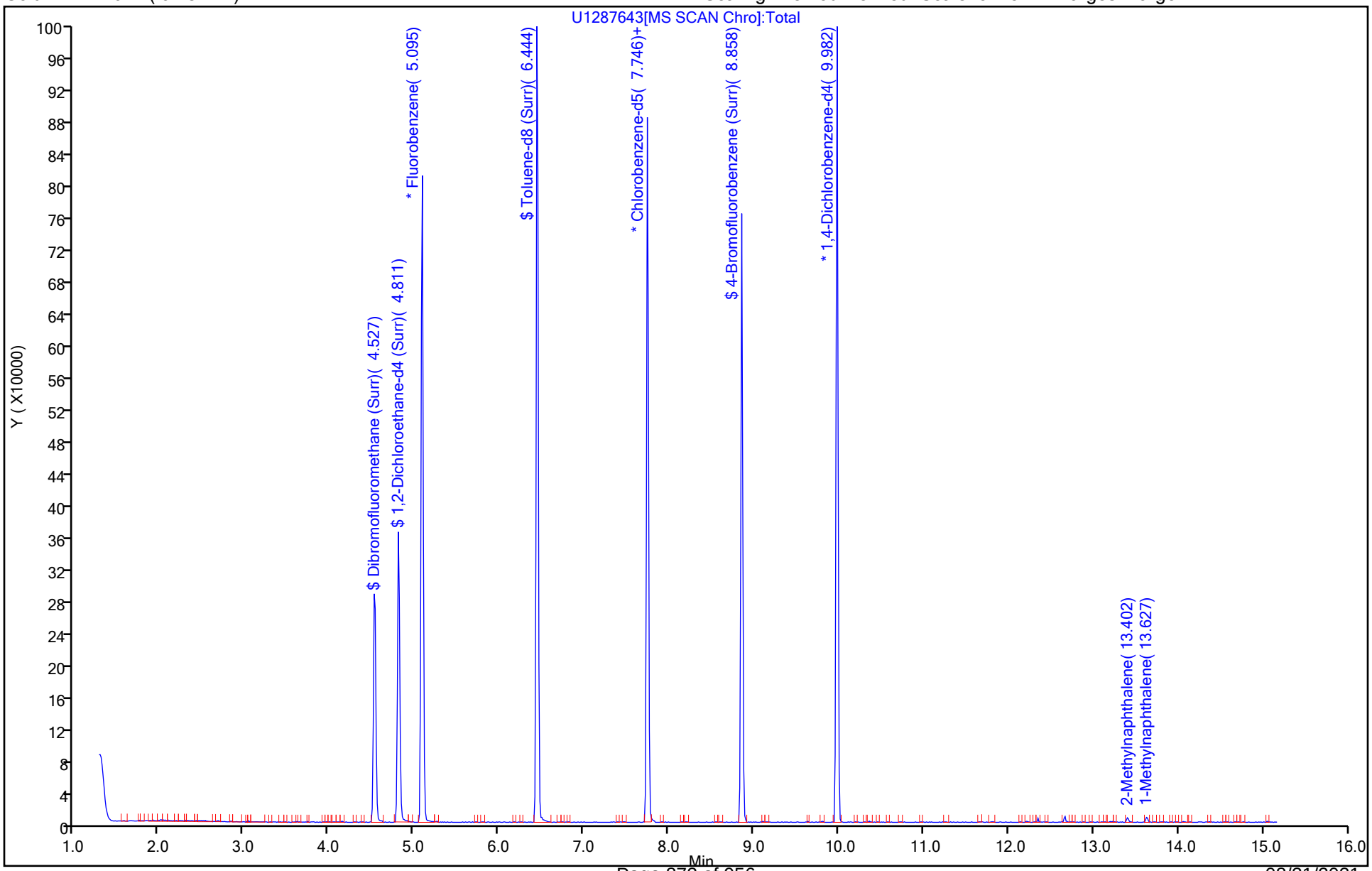
Report Date: 26-Aug-2021 20:52:37 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287643.D

Injection Date:	26-Aug-2021 20:31:30	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\20210826-112596.b\U1287643.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Aug-2021 20:31:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-008
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Aug-2021 20:52:37 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: laveyt Date: 26-Aug-2021 20:52:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	22.0	110.20
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.9	119.48
$ 6 Toluene-d8 (Surr)	20.0	19.0	95.00
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.5	102.34

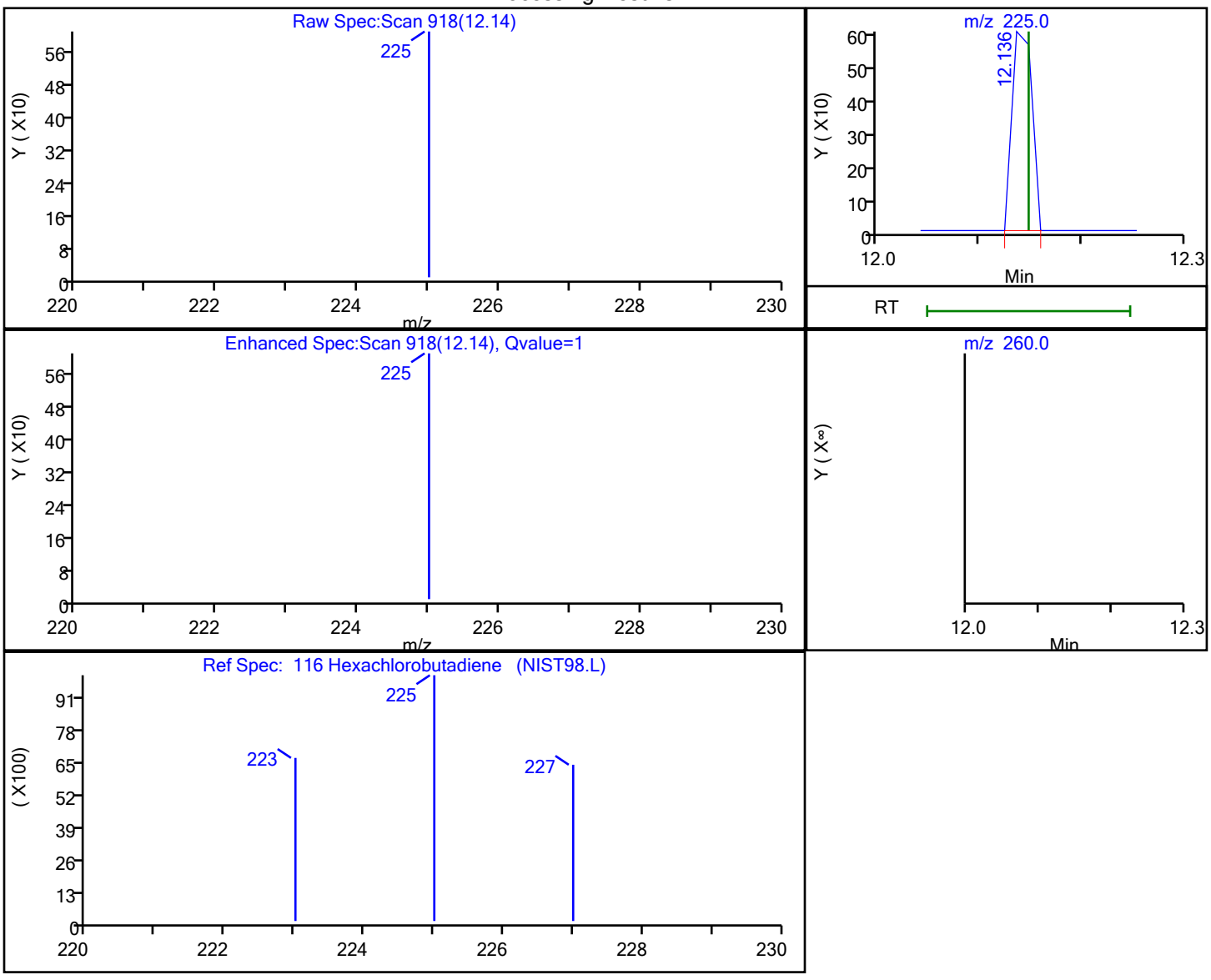
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287643.D				
Injection Date:	26-Aug-2021 20:31:30	Instrument ID:	A3UX12		
Lims ID:	MB				
Client ID:					
Operator ID:	001904	ALS Bottle#:	7	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		

116 Hexachlorobutadiene, CAS: 87-68-3

Processing Results



RT	Mass	Response	Amount
12.14	225.00	837	0.244890
12.15	260.00	0	

Reviewer: laveyt, 26-Aug-2021 20:52:28

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

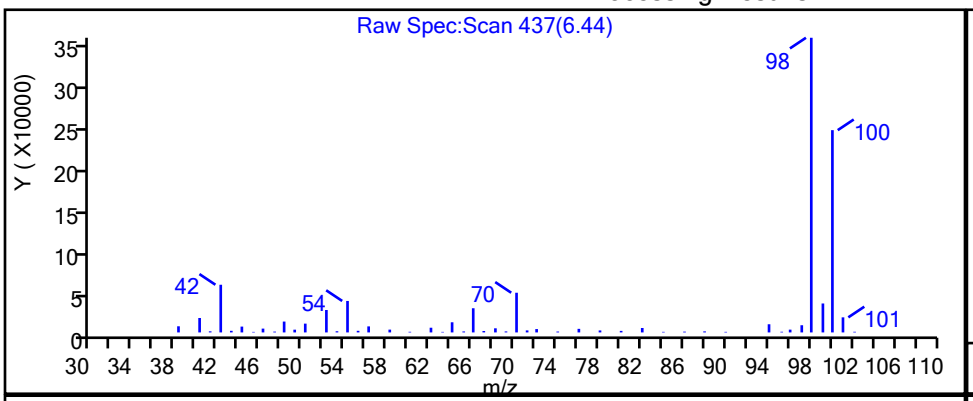
User Disabled Compound Report

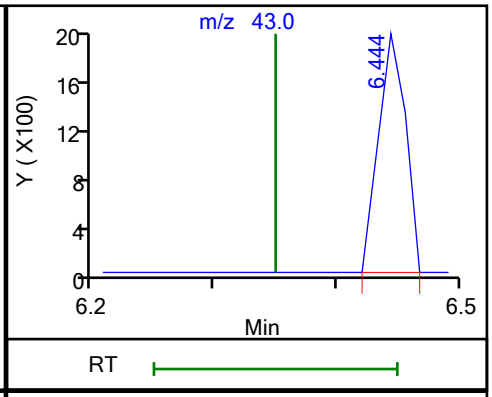
Eurofins TestAmerica, Canton

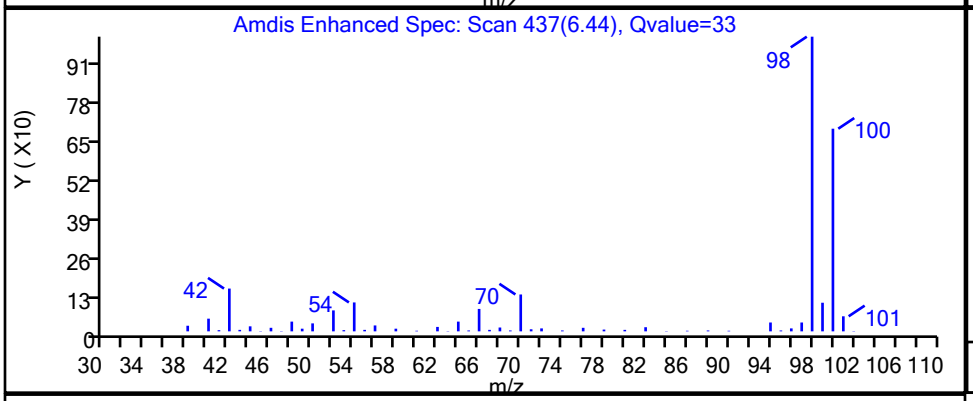
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287643.D				
Injection Date:	26-Aug-2021 20:31:30	Instrument ID:	A3UX12		
Lims ID:	MB				
Client ID:					
Operator ID:	001904	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_12_h2o	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

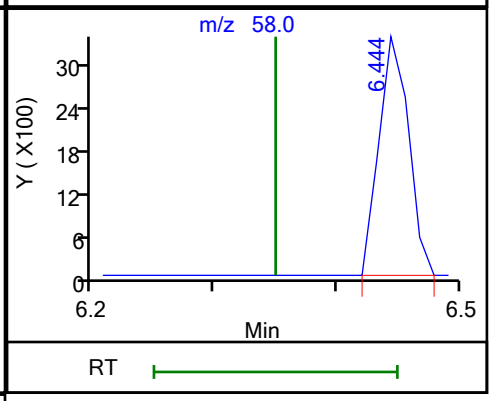
70 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

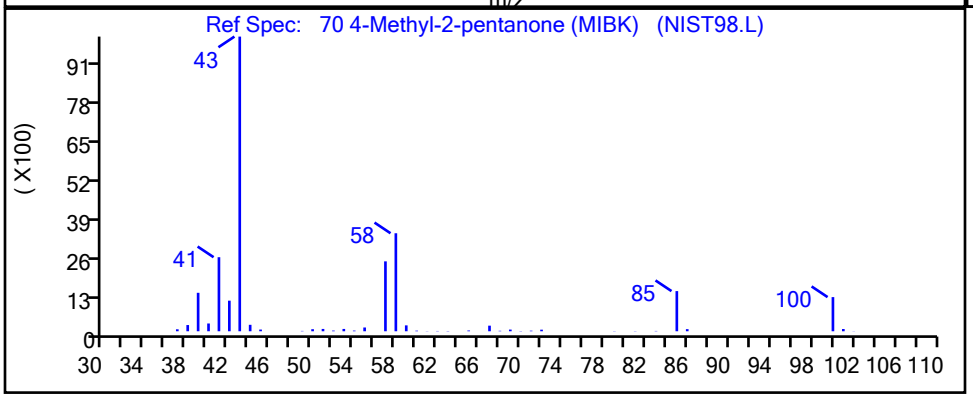
Processing Results











RT	Mass	Response	Amount
6.44	43.00	3021	0.224080
6.44	58.00	5728	

Reviewer: laveyt, 26-Aug-2021 20:52:21

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-500502/5

Matrix: Water Lab File ID: U1287552.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 12:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	55.4		10	5.4
71-43-2	Benzene	21.5		1.0	0.42
108-86-1	Bromobenzene	20.2		1.0	0.50
74-97-5	Bromochloromethane	21.7		1.0	0.54
75-27-4	Bromodichloromethane	21.9		1.0	0.17
75-25-2	Bromoform	19.4		1.0	0.76
74-83-9	Bromomethane	18.5		1.0	0.42
78-93-3	2-Butanone	65.5		10	1.2
75-15-0	Carbon disulfide	23.0		1.0	0.59
56-23-5	Carbon tetrachloride	22.8		1.0	0.26
108-90-7	Chlorobenzene	19.8		1.0	0.38
75-00-3	Chloroethane	18.2		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	24.3		10	1.5
67-66-3	Chloroform	22.1		1.0	0.47
74-87-3	Chloromethane	19.4		1.0	0.63
95-49-8	2-Chlorotoluene	20.2		1.0	0.57
106-43-4	4-Chlorotoluene	19.9		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	22.2		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	21.0		1.0	0.61
124-48-1	Dibromochloromethane	20.8		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	21.4		2.0	0.91
106-93-4	1,2-Dibromoethane	20.9		1.0	0.41
74-95-3	Dibromomethane	23.4		1.0	0.40
95-50-1	1,2-Dichlorobenzene	20.4		1.0	0.48
541-73-1	1,3-Dichlorobenzene	20.0		1.0	0.45
106-46-7	1,4-Dichlorobenzene	19.6		1.0	0.41
75-71-8	Dichlorodifluoromethane	22.7		1.0	0.35
75-34-3	1,1-Dichloroethane	21.6		1.0	0.47
107-06-2	1,2-Dichloroethane	21.9		1.0	0.21
75-35-4	1,1-Dichloroethene	21.9		1.0	0.49
78-87-5	1,2-Dichloropropane	21.9		1.0	0.47
142-28-9	1,3-Dichloropropane	20.3		1.0	0.21
594-20-7	2,2-Dichloropropane	22.5		1.0	0.78
563-58-6	1,1-Dichloropropene	21.1		1.0	0.36
100-41-4	Ethylbenzene	20.6		1.0	0.42
87-68-3	Hexachlorobutadiene	21.2		1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-500502/5

Matrix: Water Lab File ID: U1287552.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 12:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
591-78-6	2-Hexanone	47.7		10	1.1
98-82-8	Isopropylbenzene	20.5		1.0	0.49
75-09-2	Methylene Chloride	20.3		5.0	2.6
108-10-1	4-Methyl-2-pentanone	46.2		10	0.99
1634-04-4	Methyl tert-butyl ether	21.6		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	20.2		2.0	0.42
91-20-3	Naphthalene	21.8		1.0	0.80
104-51-8	n-Butylbenzene	20.5		1.0	0.60
103-65-1	n-Propylbenzene	20.7		1.0	0.57
95-47-6	o-Xylene	20.0		1.0	0.42
99-87-6	p-Isopropyltoluene	20.8		1.0	0.56
135-98-8	sec-Butylbenzene	21.0		1.0	0.53
100-42-5	Styrene	19.9		1.0	0.45
75-65-0	tert-Butyl alcohol	283		40	7.2
98-06-6	tert-Butylbenzene	21.0		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	18.8		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	21.3		1.0	0.60
127-18-4	Tetrachloroethene	21.4		1.0	0.44
108-88-3	Toluene	19.9		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	22.2		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	20.1		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	20.7		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	20.7		1.0	0.77
71-55-6	1,1,1-Trichloroethane	22.4		1.0	0.48
79-01-6	Trichloroethene	20.9		1.0	0.44
75-69-4	Trichlorofluoromethane	20.4		1.0	0.45
96-18-4	1,2,3-Trichloropropane	21.3		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	22.9		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	20.9		1.0	0.52
108-05-4	Vinyl acetate	22.0		2.0	0.61
75-01-4	Vinyl chloride	19.7		1.0	0.45
1330-20-7	Xylenes, Total	40.2		2.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-500502/5

Matrix: Water Lab File ID: U1287552.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 12:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500502 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		56-136
1868-53-7	Dibromofluoromethane (Surr)	104		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		62-137
2037-26-5	Toluene-d8 (Surr)	89		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287552.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 21-Aug-2021 12:50:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112421-005
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Aug-2021 13:46:12 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: laveyt Date: 21-Aug-2021 13:46:12

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	98	733063	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	490453	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	94	273508	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.539	0.000	93	191311	20.0	20.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.811	0.012	96	237376	20.0	21.6	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	93	646863	20.0	17.8	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	86	244332	20.0	19.0	
9 Dichlorodifluoromethane	85	1.415	1.415	0.000	100	384008	20.0	22.7	
10 Chloromethane	50	1.593	1.640	-0.047	98	557733	20.0	19.4	M
11 Butadiene	54	1.652	1.652	0.000	91	424385	20.0	22.1	
12 Vinyl chloride	62	1.687	1.688	-0.001	98	386082	20.0	19.7	
14 Bromomethane	94	1.936	1.936	0.000	92	256778	20.0	18.5	
15 Chloroethane	64	1.995	1.983	0.012	100	282721	20.0	18.2	
16 Dichlorofluoromethane	67	2.184	2.184	0.000	100	592692	20.0	18.9	
17 Trichlorofluoromethane	101	2.244	2.255	-0.011	98	500903	20.0	20.4	
19 Ethyl ether	59	2.433	2.433	0.000	93	267496	20.0	22.0	
20 Acrolein	56	2.563	2.551	0.012	98	30424	100.0	103.6	
21 1,1-Dichloroethene	61	2.646	2.646	0.000	95	451207	20.0	21.9	
22 112TCTFE	101	2.670	2.670	0.000	97	261164	20.0	22.9	
23 Acetone	43	2.693	2.693	0.000	100	173143	40.0	55.4	
24 Iodomethane	142	2.800	2.800	0.000	99	369306	20.0	23.3	
25 Carbon disulfide	76	2.847	2.847	0.000	100	813698	20.0	23.0	
27 3-Chloro-1-propene	41	2.954	2.954	0.000	87	464721	20.0	22.0	
28 Methyl acetate	43	2.977	2.977	0.000	98	473784	40.0	51.8	
29 Methylene Chloride	49	3.060	3.060	0.000	96	367953	20.0	20.3	
30 2-Methyl-2-propanol	59	3.190	3.178	0.012	99	236621	200.0	282.9	
31 Acrylonitrile	53	3.273	3.273	0.000	99	1076018	200.0	266.2	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	98	408879	20.0	22.2	
33 Methyl tert-butyl ether	73	3.297	3.285	0.012	97	759114	20.0	21.6	
34 Hexane	57	3.522	3.510	0.012	93	390803	20.0	22.3	
35 1,1-Dichloroethane	63	3.652	3.640	0.012	97	483666	20.0	21.6	
36 Vinyl acetate	43	3.687	3.687	0.000	98	474235	20.0	22.0	

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	87	274689	20.0	22.2	
40 2,2-Dichloropropane	77	4.137	4.137	0.000	62	306146	20.0	22.5	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	100	91055	40.0	65.5	
46 Chlorobromomethane	49	4.338	4.338	0.000	96	221999	20.0	21.7	
47 Tetrahydrofuran	42	4.374	4.374	0.000	86	233051	40.0	53.1	
48 Chloroform	83	4.397	4.397	0.000	98	432762	20.0	22.1	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	98	388769	20.0	22.4	
50 Cyclohexane	84	4.598	4.598	0.000	93	467802	20.0	22.5	
51 1,1-Dichloropropene	75	4.693	4.681	0.012	93	346285	20.0	21.1	
52 Carbon tetrachloride	117	4.693	4.693	0.000	82	319183	20.0	22.8	
53 Isobutyl alcohol	41	4.800	4.800	0.000	94	347524	500.0	684.0	
54 Benzene	78	4.859	4.859	0.000	97	932456	20.0	21.5	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	314827	20.0	21.9	
57 n-Heptane	57	5.072	5.072	0.000	91	158414	20.0	20.8	
59 Trichloroethene	130	5.403	5.403	0.000	97	209784	20.0	20.9	
61 Methylcyclohexane	83	5.569	5.569	0.000	93	457420	20.0	22.8	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	92	210093	20.0	21.9	
64 Dibromomethane	174	5.699	5.699	0.000	95	123068	20.0	23.4	
65 1,4-Dioxane	88	5.734	5.734	0.000	95	46975	400.0	453.4	
66 Dichlorobromomethane	83	5.829	5.829	0.000	97	254992	20.0	21.9	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	93	142556	20.0	24.3	
69 cis-1,3-Dichloropropene	75	6.219	6.220	-0.001	93	294503	20.0	21.0	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.350	0.000	97	680399	40.0	46.2	
71 Toluene	91	6.503	6.504	-0.001	98	837293	20.0	19.9	
72 trans-1,3-Dichloropropene	75	6.705	6.705	0.000	97	265133	20.0	20.1	
74 Ethyl methacrylate	69	6.776	6.776	0.000	89	283066	20.0	20.8	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	95	157785	20.0	21.4	
76 Tetrachloroethene	166	7.000	6.989	0.011	96	198745	20.0	21.4	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	93	295122	20.0	20.3	
78 2-Hexanone	43	7.083	7.083	0.000	98	534348	40.0	47.7	
80 Chlorodibromomethane	129	7.225	7.225	0.000	90	151038	20.0	20.8	
81 Ethylene Dibromide	107	7.332	7.332	0.000	99	167332	20.0	20.9	
83 Chlorobenzene	112	7.781	7.781	0.000	92	500254	20.0	19.8	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	92	180294	20.0	18.8	
85 Ethylbenzene	106	7.876	7.876	0.000	99	303322	20.0	20.6	
86 m-Xylene & p-Xylene	106	7.983	7.983	0.000	98	376146	20.0	20.2	
87 o-Xylene	106	8.361	8.361	0.000	98	379045	20.0	20.0	
88 Styrene	104	8.373	8.373	0.000	94	560637	20.0	19.9	
89 Bromoform	173	8.551	8.551	0.000	93	98735	20.0	19.4	
90 Isopropylbenzene	105	8.704	8.704	0.000	97	1041615	20.0	20.5	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	88	285066	20.0	21.3	
92 Bromobenzene	156	9.000	9.000	0.000	97	205055	20.0	20.2	
94 1,2,3-Trichloropropane	110	9.048	9.048	0.000	90	94250	20.0	21.3	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	90	86225	20.0	17.2	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	265429	20.0	20.7	
97 2-Chlorotoluene	126	9.190	9.190	0.000	95	222163	20.0	20.2	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	792112	20.0	20.8	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	213843	20.0	19.9	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	638380	20.0	21.0	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	807998	20.0	20.9	
105 sec-Butylbenzene	105	9.805	9.805	0.000	95	966836	20.0	21.0	
106 1,3-Dichlorobenzene	146	9.923	9.923	0.000	98	404612	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
107 4-Isopropyltoluene	119	9.947	9.959	-0.012	97	818253	20.0	20.8	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	93	414209	20.0	19.6	
111 n-Butylbenzene	91	10.361	10.361	0.000	97	700497	20.0	20.5	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	95	402718	20.0	20.4	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	89	60025	20.0	21.4	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	94	230498	20.0	20.7	
116 Hexachlorobutadiene	225	12.136	12.148	-0.012	97	81313	20.0	21.2	
117 Naphthalene	128	12.219	12.219	0.000	98	770152	20.0	21.8	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	94	203778	20.0	20.7	
S 125 Total BTEX	1				0		100.0	102.1	
S 124 Trihalomethanes, Total	1				0		80.0	84.2	
S 128 Xylenes, Total	106				0		40.0	40.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

vmfaspw_00411	Amount Added: 16.00	Units: uL		
vmfasaw_00387	Amount Added: 16.00	Units: uL		
vmfasgw_00420	Amount Added: 16.00	Units: uL		
vmDist_H2o_00201	Amount Added: 0.00	Units:	Run Reagent	
vm50is_stk_a_00009	Amount Added: 2.00	Units: uL	Run Reagent	
vm50ss_stk_00087	Amount Added: 2.00	Units: uL	Run Reagent	

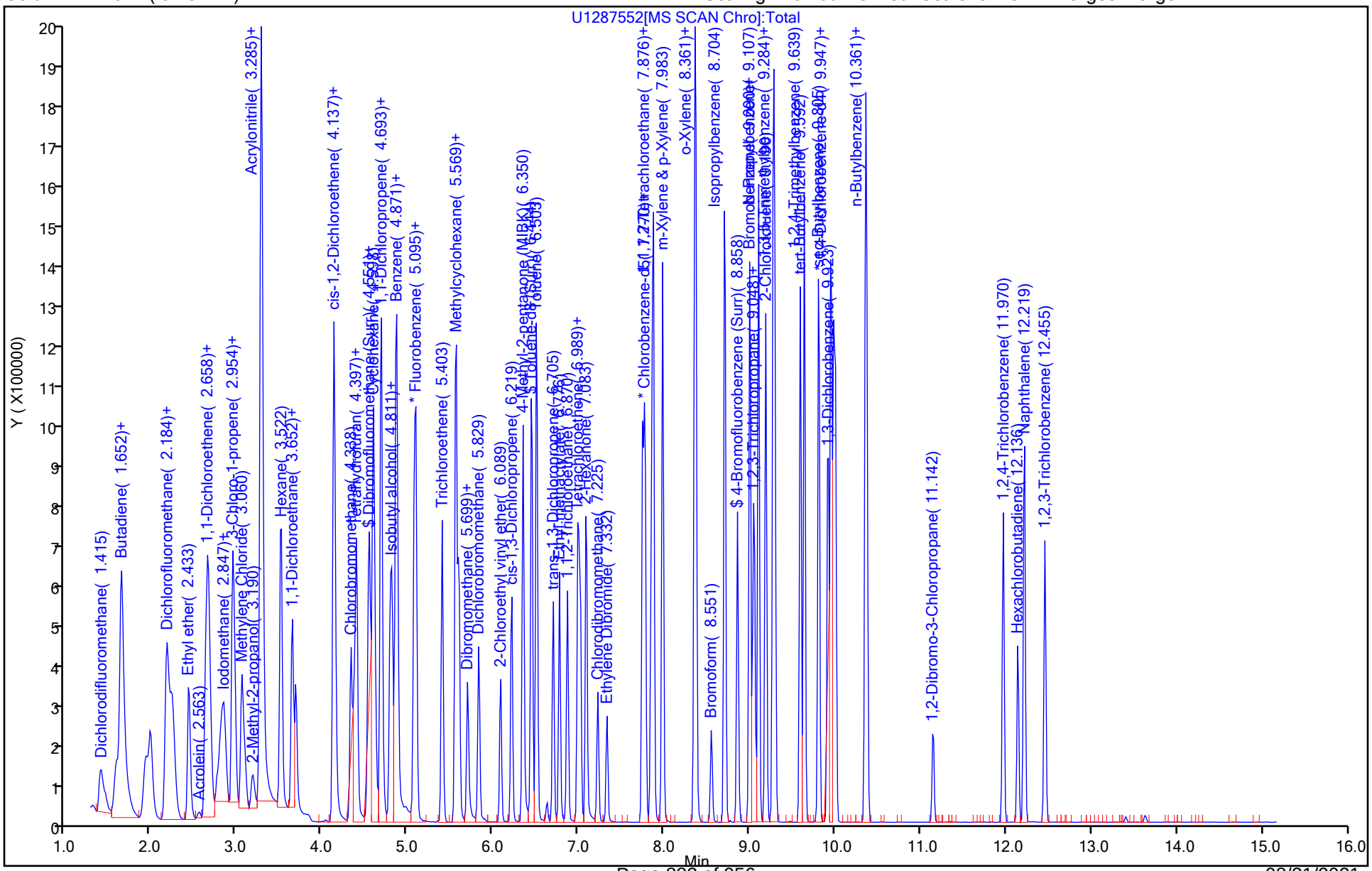
Report Date: 21-Aug-2021 13:46:13 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287552.D

Injection Date:	21-Aug-2021 12:50:30	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\20210821-112421.b\U1287552.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 21-Aug-2021 12:50:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112421-005
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Aug-2021 13:46:12 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: laveyt Date: 21-Aug-2021 13:46:12

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.7	103.62
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.6	108.00
$ 6 Toluene-d8 (Surr)	20.0	17.8	89.00
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.0	94.81

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

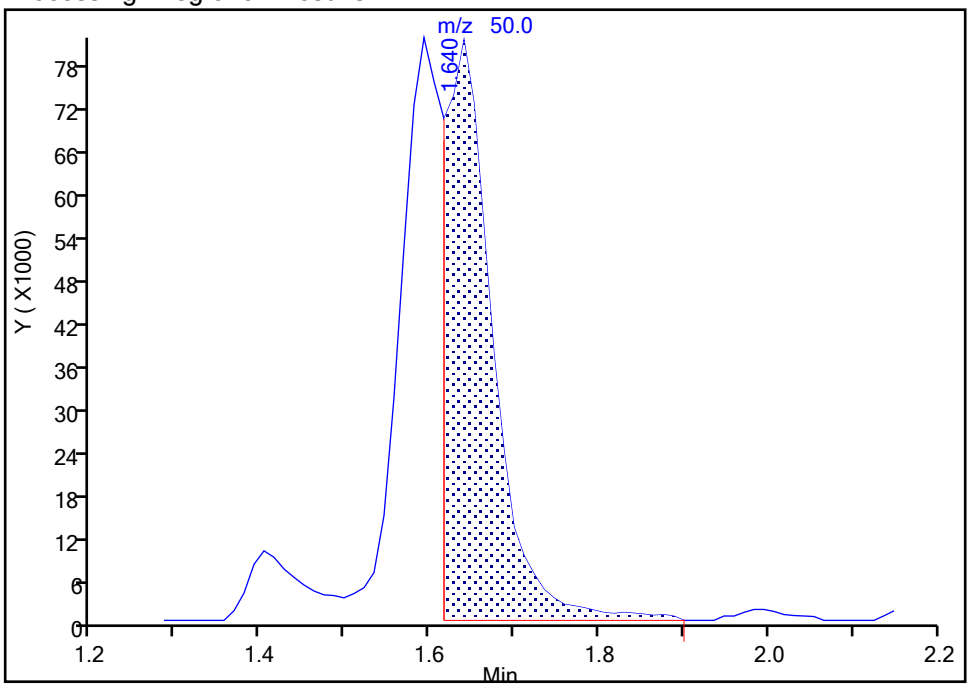
Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287552.D
Injection Date: 21-Aug-2021 12:50:30 Instrument ID: A3UX12
Lims ID: LCS
Client ID:
Operator ID: 001904 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

10 Chloromethane, CAS: 74-87-3

Signal: 1

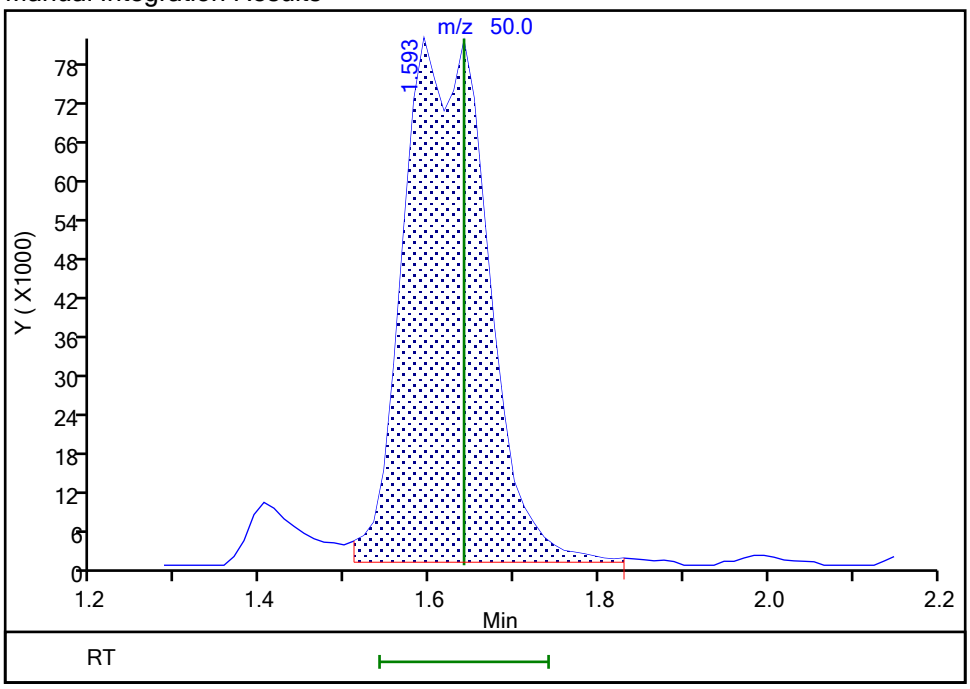
Processing Integration Results

RT: 1.64
Area: 327624
Amount: 11.390981
Amount Units: ug/l



Manual Integration Results

RT: 1.59
Area: 557733
Amount: 19.391516
Amount Units: ug/l



Reviewer: laveyt, 21-Aug-2021 13:21:49
Audit Action: Manually Integrated Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-500679/5

Matrix: Water Lab File ID: U1287584.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 17:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	61.5		10	5.4
71-43-2	Benzene	20.4		1.0	0.42
108-86-1	Bromobenzene	19.9		1.0	0.50
74-97-5	Bromochloromethane	20.3		1.0	0.54
75-27-4	Bromodichloromethane	21.7		1.0	0.17
75-25-2	Bromoform	20.5		1.0	0.76
74-83-9	Bromomethane	14.3		1.0	0.42
78-93-3	2-Butanone	59.6		10	1.2
75-15-0	Carbon disulfide	20.2		1.0	0.59
56-23-5	Carbon tetrachloride	20.3		1.0	0.26
108-90-7	Chlorobenzene	19.3		1.0	0.38
75-00-3	Chloroethane	14.5		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	26.0		10	1.5
67-66-3	Chloroform	20.4		1.0	0.47
74-87-3	Chloromethane	14.3		1.0	0.63
95-49-8	2-Chlorotoluene	19.7		1.0	0.57
106-43-4	4-Chlorotoluene	20.3		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	20.2		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	21.7		1.0	0.61
124-48-1	Dibromochloromethane	21.1		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	21.9		2.0	0.91
106-93-4	1,2-Dibromoethane	20.6		1.0	0.41
74-95-3	Dibromomethane	23.1		1.0	0.40
95-50-1	1,2-Dichlorobenzene	19.9		1.0	0.48
541-73-1	1,3-Dichlorobenzene	19.6		1.0	0.45
106-46-7	1,4-Dichlorobenzene	19.6		1.0	0.41
75-71-8	Dichlorodifluoromethane	15.3		1.0	0.35
75-34-3	1,1-Dichloroethane	19.4		1.0	0.47
107-06-2	1,2-Dichloroethane	21.8		1.0	0.21
75-35-4	1,1-Dichloroethene	18.9		1.0	0.49
78-87-5	1,2-Dichloropropane	21.4		1.0	0.47
142-28-9	1,3-Dichloropropane	20.7		1.0	0.21
594-20-7	2,2-Dichloropropane	19.5		1.0	0.78
563-58-6	1,1-Dichloropropene	19.8		1.0	0.36
100-41-4	Ethylbenzene	19.7		1.0	0.42
87-68-3	Hexachlorobutadiene	19.9		1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-500679/5

Matrix: Water Lab File ID: U1287584.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 17:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
591-78-6	2-Hexanone	43.1		10	1.1
98-82-8	Isopropylbenzene	18.6		1.0	0.49
75-09-2	Methylene Chloride	17.7		5.0	2.6
108-10-1	4-Methyl-2-pentanone	46.1		10	0.99
1634-04-4	Methyl tert-butyl ether	20.6		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	19.4		2.0	0.42
91-20-3	Naphthalene	20.5		1.0	0.80
104-51-8	n-Butylbenzene	19.7		1.0	0.60
103-65-1	n-Propylbenzene	19.6		1.0	0.57
95-47-6	o-Xylene	19.0		1.0	0.42
99-87-6	p-Isopropyltoluene	20.2		1.0	0.56
135-98-8	sec-Butylbenzene	20.0		1.0	0.53
100-42-5	Styrene	19.4		1.0	0.45
75-65-0	tert-Butyl alcohol	255		40	7.2
98-06-6	tert-Butylbenzene	20.7		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	18.3		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	21.3		1.0	0.60
127-18-4	Tetrachloroethene	20.2		1.0	0.44
108-88-3	Toluene	19.1		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	19.1		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	20.7		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	19.3		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	19.5		1.0	0.77
71-55-6	1,1,1-Trichloroethane	20.0		1.0	0.48
79-01-6	Trichloroethene	21.4		1.0	0.44
75-69-4	Trichlorofluoromethane	16.1		1.0	0.45
96-18-4	1,2,3-Trichloropropane	21.2		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	20.3		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	19.9		1.0	0.52
108-05-4	Vinyl acetate	20.5		2.0	0.61
75-01-4	Vinyl chloride	15.5		1.0	0.45
1330-20-7	Xylenes, Total	38.4		2.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-500679/5

Matrix: Water Lab File ID: U1287584.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/23/2021 17:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500679 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		56-136
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		62-137
2037-26-5	Toluene-d8 (Surr)	89		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287584.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 23-Aug-2021 17:50:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-005
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 16:07:12 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 18:12:40

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	98	837550	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	89	584483	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	96	320995	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	93	208019	20.0	19.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	98	268878	20.0	21.4	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	93	772765	20.0	17.8	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	86	296562	20.0	19.3	
9 Dichlorodifluoromethane	85	1.403	1.403	0.000	99	294565	20.0	15.3	
10 Chloromethane	50	1.581	1.628	-0.047	99	470962	20.0	14.3	
11 Butadiene	54	1.640	1.640	0.000	91	329131	20.0	15.0	
12 Vinyl chloride	62	1.675	1.676	-0.001	97	347989	20.0	15.5	
14 Bromomethane	94	1.936	1.936	0.000	91	226234	20.0	14.3	
15 Chloroethane	64	1.983	1.983	0.000	100	257334	20.0	14.5	
16 Dichlorofluoromethane	67	2.172	2.184	-0.012	100	552497	20.0	15.5	
17 Trichlorofluoromethane	101	2.243	2.244	-0.001	98	452036	20.0	16.1	
19 Ethyl ether	59	2.421	2.433	-0.012	93	275164	20.0	19.8	
20 Acrolein	56	2.539	2.551	-0.012	99	39697	100.0	118.3	
21 1,1-Dichloroethene	61	2.634	2.646	-0.012	95	444815	20.0	18.9	
22 112TCTFE	101	2.658	2.658	0.000	97	264222	20.0	20.3	
23 Acetone	43	2.681	2.681	0.000	99	218709	40.0	61.5	
24 Iodomethane	142	2.788	2.788	0.000	100	359612	20.0	19.9	
25 Carbon disulfide	76	2.847	2.847	0.000	100	817083	20.0	20.2	
27 3-Chloro-1-propene	41	2.942	2.942	0.000	87	465441	20.0	19.3	
28 Methyl acetate	43	2.965	2.965	0.000	98	567688	40.0	54.4	
29 Methylene Chloride	49	3.048	3.060	-0.012	97	366883	20.0	17.7	
30 2-Methyl-2-propanol	59	3.155	3.167	-0.012	98	245020	200.0	255.3	
31 Acrylonitrile	53	3.273	3.273	0.000	98	1313496	200.0	284.4	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	72	402084	20.0	19.1	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	96	827875	20.0	20.6	
34 Hexane	57	3.510	3.510	0.000	94	419828	20.0	21.0	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	97	498568	20.0	19.4	
36 Vinyl acetate	43	3.687	3.687	0.000	98	503703	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
40 2,2-Dichloropropane	77	4.125	4.125	0.000	61	303554	20.0	19.5	
41 cis-1,2-Dichloroethene	96	4.125	4.137	-0.012	88	285864	20.0	20.2	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	100	94663	40.0	59.6	
46 Chlorobromomethane	49	4.326	4.326	0.000	96	237741	20.0	20.3	
47 Tetrahydrofuran	42	4.373	4.373	0.000	88	252483	40.0	50.4	
48 Chloroform	83	4.397	4.397	0.000	98	455721	20.0	20.4	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	97	397699	20.0	20.0	
50 Cyclohexane	84	4.598	4.598	0.000	93	474092	20.0	20.0	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	91	371651	20.0	19.8	
52 Carbon tetrachloride	117	4.693	4.693	0.000	78	323885	20.0	20.3	
53 Isobutyl alcohol	41	4.788	4.788	0.000	93	399832	500.0	688.8	
54 Benzene	78	4.859	4.859	0.000	97	1014322	20.0	20.4	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	356999	20.0	21.8	
57 n-Heptane	57	5.072	5.072	0.000	92	186715	20.0	21.6	
59 Trichloroethene	130	5.403	5.403	0.000	96	245500	20.0	21.4	
61 Methylcyclohexane	83	5.557	5.557	0.000	91	470112	20.0	20.5	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	91	234950	20.0	21.4	
64 Dibromomethane	174	5.699	5.699	0.000	95	138504	20.0	23.1	
65 1,4-Dioxane	88	5.710	5.711	-0.001	95	60326	400.0	507.6	
66 Dichlorobromomethane	83	5.829	5.829	0.000	98	288792	20.0	21.7	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	93	174202	20.0	26.0	
69 cis-1,3-Dichloropropene	75	6.207	6.219	-0.012	92	347449	20.0	21.7	
70 4-Methyl-2-pentanone (MIBK)	43	6.349	6.350	-0.001	97	776381	40.0	46.1	
71 Toluene	91	6.503	6.503	0.000	98	957080	20.0	19.1	
72 trans-1,3-Dichloropropene	75	6.704	6.705	-0.001	97	324884	20.0	20.7	
74 Ethyl methacrylate	69	6.775	6.776	-0.001	89	343575	20.0	21.2	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	95	186537	20.0	21.3	
76 Tetrachloroethene	166	6.988	6.989	-0.001	95	223648	20.0	20.2	
77 1,3-Dichloropropane	76	7.012	7.012	0.000	94	358785	20.0	20.7	
78 2-Hexanone	43	7.083	7.083	0.000	98	575803	40.0	43.1	
80 Chlorodibromomethane	129	7.225	7.225	0.000	90	182298	20.0	21.1	
81 Ethylene Dibromide	107	7.332	7.332	0.000	97	196617	20.0	20.6	
83 Chlorobenzene	112	7.769	7.770	-0.001	93	581380	20.0	19.3	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	93	208497	20.0	18.3	
85 Ethylbenzene	106	7.876	7.876	0.000	99	345310	20.0	19.7	
86 m-Xylene & p-Xylene	106	7.982	7.983	0.000	98	429538	20.0	19.4	
87 o-Xylene	106	8.361	8.361	0.000	97	429071	20.0	19.0	
88 Styrene	104	8.373	8.373	0.000	94	651227	20.0	19.4	
89 Bromoform	173	8.550	8.550	0.000	95	124046	20.0	20.5	
90 Isopropylbenzene	105	8.704	8.704	0.000	97	1123922	20.0	18.6	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	87	334430	20.0	21.3	
92 Bromobenzene	156	9.000	9.000	0.000	97	236848	20.0	19.9	
94 1,2,3-Trichloropropane	110	9.047	9.047	0.000	90	110065	20.0	21.2	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	87	114901	20.0	19.5	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	295551	20.0	19.6	
97 2-Chlorotoluene	126	9.189	9.189	0.000	95	253282	20.0	19.7	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	879882	20.0	19.7	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	255320	20.0	20.3	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	740047	20.0	20.7	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	903775	20.0	19.9	
105 sec-Butylbenzene	105	9.805	9.805	0.000	95	1081255	20.0	20.0	
106 1,3-Dichlorobenzene	146	9.923	9.923	0.000	98	465092	20.0	19.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	9.947	9.947	0.000	97	930787	20.0	20.2	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	94	486209	20.0	19.6	
111 n-Butylbenzene	91	10.361	10.361	0.000	97	791650	20.0	19.7	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	96	460784	20.0	19.9	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	81	71992	20.0	21.9	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	93	255214	20.0	19.5	
116 Hexachlorobutadiene	225	12.148	12.136	0.012	97	89615	20.0	19.9	
117 Naphthalene	128	12.219	12.219	0.000	98	850878	20.0	20.5	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	93	222141	20.0	19.3	
S 125 Total BTEX	1				0		100.0	97.5	
S 124 Trihalomethanes, Total	1				0		80.0	83.6	
S 128 Xylenes, Total	106				0		40.0	38.4	

QC Flag Legend

Processing Flags

Reagents:

vmfaspw_00411	Amount Added:	16.00	Units: uL	
vmfasaw_00387	Amount Added:	16.00	Units: uL	
vmfasgw_00421	Amount Added:	16.00	Units: uL	
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

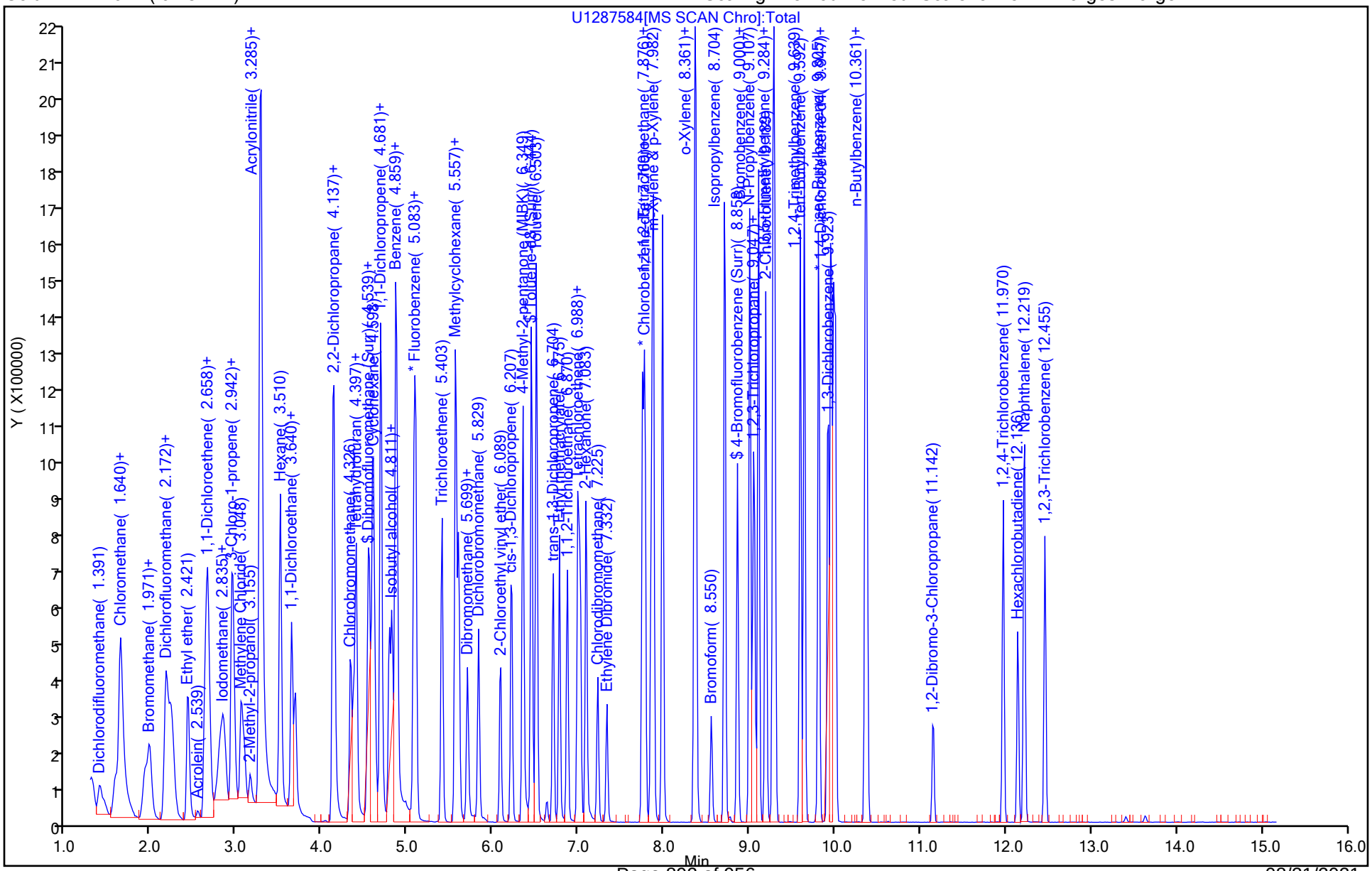
Report Date: 23-Aug-2021 18:12:41 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\U1287584.D

Injection Date:	23-Aug-2021 17:50:30	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\20210823-112466.b\U1287584.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 23-Aug-2021 17:50:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112466-005
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210823-112466.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 16:07:12 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 18:12:40

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.7	98.61
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.4	107.07
$ 6 Toluene-d8 (Surr)	20.0	17.8	89.21
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.3	96.56

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-501270/5

Matrix: Water Lab File ID: U1287640.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 19:25

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	71.5		10	5.4
71-43-2	Benzene	21.0		1.0	0.42
108-86-1	Bromobenzene	20.1		1.0	0.50
74-97-5	Bromochloromethane	22.3		1.0	0.54
75-27-4	Bromodichloromethane	21.8		1.0	0.17
75-25-2	Bromoform	20.9		1.0	0.76
74-83-9	Bromomethane	16.3		1.0	0.42
78-93-3	2-Butanone	60.1		10	1.2
75-15-0	Carbon disulfide	21.8		1.0	0.59
56-23-5	Carbon tetrachloride	21.8		1.0	0.26
108-90-7	Chlorobenzene	19.7		1.0	0.38
75-00-3	Chloroethane	16.2		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	23.4		10	1.5
67-66-3	Chloroform	21.3		1.0	0.47
74-87-3	Chloromethane	15.6		1.0	0.63
95-49-8	2-Chlorotoluene	20.1		1.0	0.57
106-43-4	4-Chlorotoluene	19.8		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	22.4		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	19.9		1.0	0.61
124-48-1	Dibromochloromethane	21.3		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	24.2		2.0	0.91
106-93-4	1,2-Dibromoethane	20.1		1.0	0.41
74-95-3	Dibromomethane	24.5		1.0	0.40
95-50-1	1,2-Dichlorobenzene	20.7		1.0	0.48
541-73-1	1,3-Dichlorobenzene	20.0		1.0	0.45
106-46-7	1,4-Dichlorobenzene	19.4		1.0	0.41
75-71-8	Dichlorodifluoromethane	15.5		1.0	0.35
75-34-3	1,1-Dichloroethane	21.0		1.0	0.47
107-06-2	1,2-Dichloroethane	21.5		1.0	0.21
75-35-4	1,1-Dichloroethene	20.3		1.0	0.49
78-87-5	1,2-Dichloropropane	21.4		1.0	0.47
142-28-9	1,3-Dichloropropane	19.8		1.0	0.21
594-20-7	2,2-Dichloropropane	23.0		1.0	0.78
563-58-6	1,1-Dichloropropene	19.9		1.0	0.36
100-41-4	Ethylbenzene	20.5		1.0	0.42
87-68-3	Hexachlorobutadiene	22.5		1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-501270/5

Matrix: Water Lab File ID: U1287640.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 19:25

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.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
591-78-6	2-Hexanone	43.2		10	1.1
98-82-8	Isopropylbenzene	19.8		1.0	0.49
75-09-2	Methylene Chloride	19.6		5.0	2.6
108-10-1	4-Methyl-2-pentanone	46.4		10	0.99
1634-04-4	Methyl tert-butyl ether	22.5		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	20.0		2.0	0.42
91-20-3	Naphthalene	24.0		1.0	0.80
104-51-8	n-Butylbenzene	20.4		1.0	0.60
103-65-1	n-Propylbenzene	20.2		1.0	0.57
95-47-6	o-Xylene	20.1		1.0	0.42
99-87-6	p-Isopropyltoluene	20.6		1.0	0.56
135-98-8	sec-Butylbenzene	20.1		1.0	0.53
100-42-5	Styrene	19.8		1.0	0.45
75-65-0	tert-Butyl alcohol	564		40	7.2
98-06-6	tert-Butylbenzene	20.3		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	19.5		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	21.7		1.0	0.60
127-18-4	Tetrachloroethene	21.4		1.0	0.44
108-88-3	Toluene	19.6		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	21.3		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	19.2		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	23.4		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	22.3		1.0	0.77
71-55-6	1,1,1-Trichloroethane	21.8		1.0	0.48
79-01-6	Trichloroethene	20.4		1.0	0.44
75-69-4	Trichlorofluoromethane	17.5		1.0	0.45
96-18-4	1,2,3-Trichloropropane	21.9		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	21.8		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	20.3		1.0	0.52
108-05-4	Vinyl acetate	19.2		2.0	0.61
75-01-4	Vinyl chloride	16.9		1.0	0.45
1330-20-7	Xylenes, Total	40.1		2.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-501270/5

Matrix: Water Lab File ID: U1287640.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/26/2021 19:25

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.: 501270 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		56-136
1868-53-7	Dibromofluoromethane (Surr)	110		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287640.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Aug-2021 19:25:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-005
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Aug-2021 17:41:32 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: laveyt Date: 26-Aug-2021 20:02:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	747578	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	87	499170	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	93	283611	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.539	4.527	0.012	93	206677	20.0	22.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.823	4.811	0.012	96	254999	20.0	22.8	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	93	691216	20.0	18.7	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	87	255113	20.0	19.5	
9 Dichlorodifluoromethane	85	1.415	1.391	0.024	100	266325	20.0	15.5	
10 Chloromethane	50	1.605	1.628	-0.023	100	456465	20.0	15.6	
11 Butadiene	54	1.652	1.640	0.012	89	333269	20.0	17.0	
12 Vinyl chloride	62	1.699	1.675	0.024	98	339334	20.0	16.9	
14 Bromomethane	94	1.936	1.924	0.012	91	230137	20.0	16.3	
15 Chloroethane	64	1.995	1.983	0.012	100	256728	20.0	16.2	
16 Dichlorofluoromethane	67	2.184	2.172	0.012	100	534227	20.0	16.7	
17 Trichlorofluoromethane	101	2.255	2.243	0.012	97	437407	20.0	17.5	
19 Ethyl ether	59	2.433	2.421	0.012	94	255570	20.0	20.6	
20 Acrolein	56	2.551	2.551	0.000	97	33699	100.0	112.5	
21 1,1-Dichloroethene	61	2.634	2.622	0.012	98	426714	20.0	20.3	
22 112TCTFE	101	2.670	2.658	0.012	98	253127	20.0	21.8	
23 Acetone	43	2.693	2.681	0.012	99	226001	40.0	71.5	
24 Iodomethane	142	2.788	2.776	0.012	99	365231	20.0	22.6	
25 Carbon disulfide	76	2.847	2.835	0.012	100	784559	20.0	21.8	
27 3-Chloro-1-propene	41	2.954	2.942	0.012	88	454271	20.0	21.1	
28 Methyl acetate	43	2.977	2.965	0.012	98	591825	40.0	63.5	
29 Methylene Chloride	49	3.060	3.048	0.012	95	361683	20.0	19.6	
30 2-Methyl-2-propanol	59	3.167	3.155	0.012	99	471917	200.0	563.9	
31 Acrylonitrile	53	3.273	3.273	0.000	99	1321953	200.0	320.7	
33 Methyl tert-butyl ether	73	3.297	3.285	0.012	97	808266	20.0	22.5	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	68	400742	20.0	21.3	
34 Hexane	57	3.522	3.510	0.012	92	375133	20.0	21.0	
35 1,1-Dichloroethane	63	3.652	3.640	0.012	97	480586	20.0	21.0	
36 Vinyl acetate	43	3.687	3.687	0.000	98	420877	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
40 2,2-Dichloropropane	77	4.137	4.125	0.012	62	319692	20.0	23.0	
41 cis-1,2-Dichloroethene	96	4.137	4.125	0.012	87	282733	20.0	22.4	
42 2-Butanone (MEK)	72	4.149	4.137	0.012	100	85118	40.0	60.1	
46 Chlorobromomethane	49	4.338	4.326	0.012	97	232715	20.0	22.3	
47 Tetrahydrofuran	42	4.373	4.362	0.011	89	235485	40.0	52.6	
48 Chloroform	83	4.397	4.397	0.000	97	426365	20.0	21.3	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	98	386738	20.0	21.8	
50 Cyclohexane	84	4.598	4.598	0.000	92	454248	20.0	21.5	
51 1,1-Dichloropropene	75	4.693	4.681	0.012	93	333154	20.0	19.9	
52 Carbon tetrachloride	117	4.693	4.681	0.012	84	311043	20.0	21.8	
53 Isobutyl alcohol	41	4.788	4.787	0.001	93	353174	500.0	681.6	
54 Benzene	78	4.870	4.858	0.012	97	930353	20.0	21.0	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	314732	20.0	21.5	
57 n-Heptane	57	5.072	5.071	0.001	92	156395	20.0	19.9	
59 Trichloroethene	130	5.403	5.403	0.000	96	209476	20.0	20.4	
61 Methylcyclohexane	83	5.569	5.557	0.012	93	451719	20.0	22.1	
62 1,2-Dichloropropane	63	5.604	5.592	0.012	90	209381	20.0	21.4	
64 Dibromomethane	174	5.699	5.699	0.000	96	131305	20.0	24.5	
65 1,4-Dioxane	88	5.711	5.710	0.001	91	57614	400.0	542.0	
66 Dichlorobromomethane	83	5.829	5.829	0.000	98	259865	20.0	21.8	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	92	139648	20.0	23.4	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	92	284916	20.0	19.9	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.349	0.001	97	697763	40.0	46.4	
71 Toluene	91	6.503	6.503	0.000	98	841226	20.0	19.6	
72 trans-1,3-Dichloropropene	75	6.705	6.704	0.001	97	257648	20.0	19.2	
74 Ethyl methacrylate	69	6.776	6.775	0.001	90	288369	20.0	20.8	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	95	161514	20.0	21.6	
76 Tetrachloroethene	166	7.000	6.988	0.012	97	202136	20.0	21.4	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	92	292923	20.0	19.8	
78 2-Hexanone	43	7.083	7.083	0.000	98	492736	40.0	43.2	
80 Chlorodibromomethane	129	7.225	7.225	0.000	90	157221	20.0	21.3	
81 Ethylene Dibromide	107	7.332	7.332	0.000	98	163775	20.0	20.1	
83 Chlorobenzene	112	7.781	7.781	0.000	94	507984	20.0	19.7	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	93	189740	20.0	19.5	
85 Ethylbenzene	106	7.876	7.876	0.000	99	307157	20.0	20.5	
86 m-Xylene & p-Xylene	106	7.983	7.982	0.001	98	379179	20.0	20.0	
87 o-Xylene	106	8.361	8.361	0.000	97	387002	20.0	20.1	
88 Styrene	104	8.373	8.373	0.000	95	569259	20.0	19.8	
89 Bromoform	173	8.551	8.550	0.000	94	107957	20.0	20.9	
90 Isopropylbenzene	105	8.704	8.704	0.000	97	1021613	20.0	19.8	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	89	301027	20.0	21.7	
92 Bromobenzene	156	9.000	9.000	0.000	96	211500	20.0	20.1	
94 1,2,3-Trichloropropane	110	9.047	9.047	0.000	90	100717	20.0	21.9	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	84	83757	20.0	16.1	
96 N-Propylbenzene	120	9.107	9.107	0.001	99	268385	20.0	20.2	
97 2-Chlorotoluene	126	9.189	9.189	0.000	95	228184	20.0	20.1	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	786489	20.0	19.9	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	220289	20.0	19.8	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	640562	20.0	20.3	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	816102	20.0	20.3	
105 sec-Butylbenzene	105	9.805	9.805	0.000	94	959202	20.0	20.1	
106 1,3-Dichlorobenzene	146	9.923	9.923	0.000	98	419034	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
107 4-Isopropyltoluene	119	9.959	9.958	0.001	97	839334	20.0	20.6	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	94	425430	20.0	19.4	
111 n-Butylbenzene	91	10.361	10.361	0.000	98	722903	20.0	20.4	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	96	424164	20.0	20.7	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	82	70532	20.0	24.2	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	94	257078	20.0	22.3	
116 Hexachlorobutadiene	225	12.148	12.148	0.000	97	89704	20.0	22.5	
117 Naphthalene	128	12.219	12.219	0.000	97	877949	20.0	24.0	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	95	238430	20.0	23.4	
S 125 Total BTEX	1				0		100.0	101.2	
S 124 Trihalomethanes, Total	1				0		80.0	85.3	
S 128 Xylenes, Total	106				0		40.0	40.1	

QC Flag Legend

Processing Flags

Reagents:

vmfaspw_00411	Amount Added:	16.00	Units: uL	
vmfasaw_00387	Amount Added:	16.00	Units: uL	
vmfasgw_00421	Amount Added:	16.00	Units: uL	
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

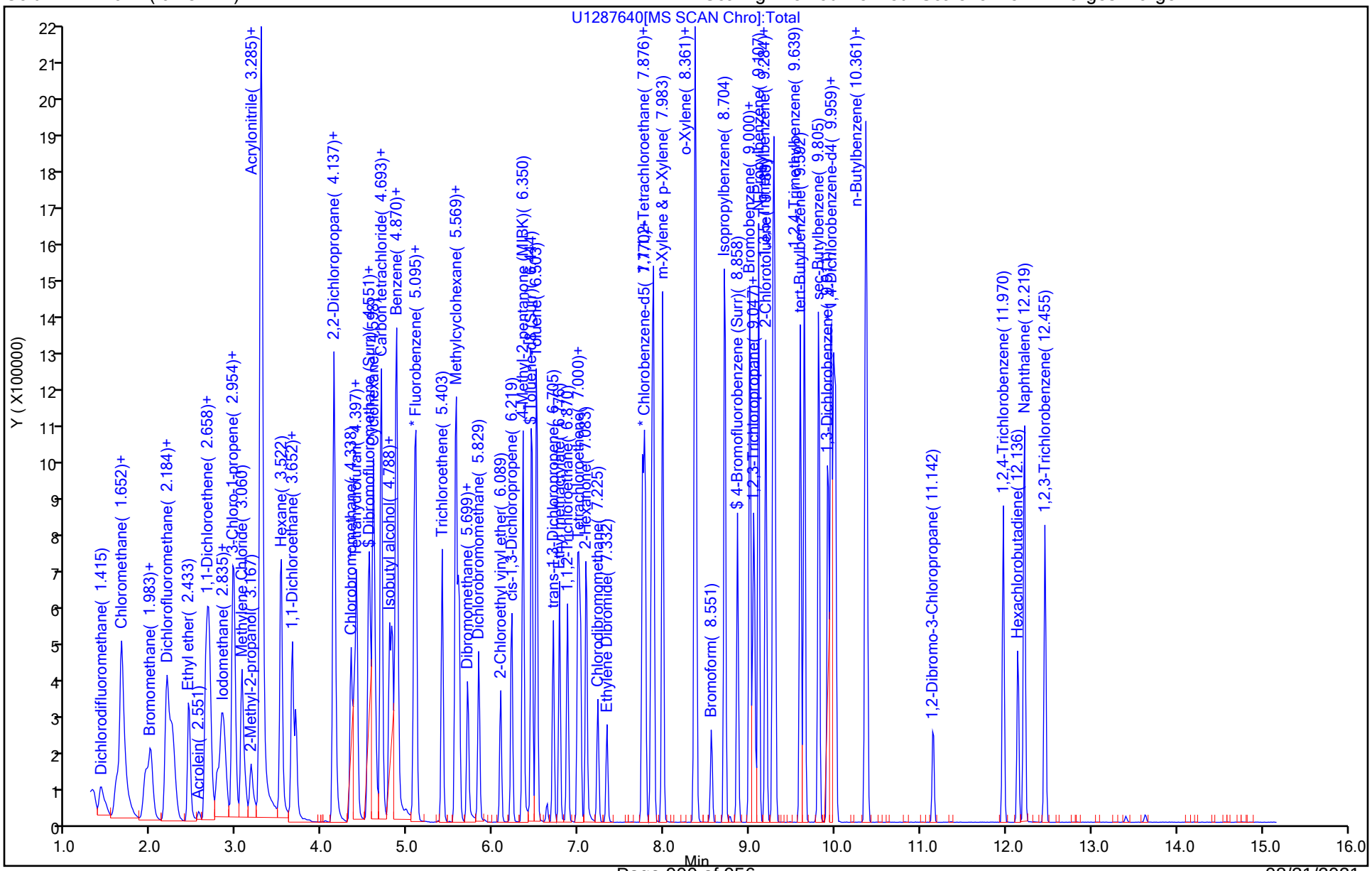
Report Date: 26-Aug-2021 20:02:19 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287640.D

Injection Date:	26-Aug-2021 19:25:30	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\20210826-112596.b\U1287640.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Aug-2021 19:25:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112596-005
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Aug-2021 17:41:32 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: laveyt Date: 26-Aug-2021 20:02:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	22.0	109.77
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.8	113.77
$ 6 Toluene-d8 (Surr)	20.0	18.7	93.44
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.5	97.26

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-154707-E-5 MS

Matrix: Water Lab File ID: U1287564.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 17:15

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	47.4		10	5.4
71-43-2	Benzene	20.5		1.0	0.42
108-86-1	Bromobenzene	20.5		1.0	0.50
74-97-5	Bromochloromethane	19.0		1.0	0.54
75-27-4	Bromodichloromethane	20.6		1.0	0.17
75-25-2	Bromoform	18.8		1.0	0.76
74-83-9	Bromomethane	15.8		1.0	0.42
78-93-3	2-Butanone	55.0		10	1.2
56-23-5	Carbon tetrachloride	19.3		1.0	0.26
108-90-7	Chlorobenzene	19.7		1.0	0.38
75-00-3	Chloroethane	16.2		1.0	0.83
67-66-3	Chloroform	19.7		1.0	0.47
74-87-3	Chloromethane	17.3		1.0	0.63
95-49-8	2-Chlorotoluene	19.9		1.0	0.57
106-43-4	4-Chlorotoluene	20.7		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	19.8		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	20.6		1.0	0.61
124-48-1	Dibromochloromethane	20.2		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		2.0	0.91
106-93-4	1,2-Dibromoethane	21.0		1.0	0.41
74-95-3	Dibromomethane	21.4		1.0	0.40
95-50-1	1,2-Dichlorobenzene	20.2		1.0	0.48
541-73-1	1,3-Dichlorobenzene	19.7		1.0	0.45
106-46-7	1,4-Dichlorobenzene	19.6		1.0	0.41
75-71-8	Dichlorodifluoromethane	17.4		1.0	0.35
75-34-3	1,1-Dichloroethane	19.0		1.0	0.47
107-06-2	1,2-Dichloroethane	20.9		1.0	0.21
75-35-4	1,1-Dichloroethene	18.2		1.0	0.49
78-87-5	1,2-Dichloropropane	20.8		1.0	0.47
142-28-9	1,3-Dichloropropane	21.0		1.0	0.21
594-20-7	2,2-Dichloropropane	19.4		1.0	0.78
563-58-6	1,1-Dichloropropene	19.7		1.0	0.36
100-41-4	Ethylbenzene	20.1		1.0	0.42
87-68-3	Hexachlorobutadiene	19.1		1.0	0.83
98-82-8	Isopropylbenzene	18.6		1.0	0.49
75-09-2	Methylene Chloride	17.4		5.0	2.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-154707-E-5 MS

Matrix: Water Lab File ID: U1287564.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 17:15

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.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone	41.3		10	0.99
1634-04-4	Methyl tert-butyl ether	19.3		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	19.3		2.0	0.42
91-20-3	Naphthalene	20.8		1.0	0.80
104-51-8	n-Butylbenzene	20.0		1.0	0.60
103-65-1	n-Propylbenzene	20.8		1.0	0.57
95-47-6	o-Xylene	18.8		1.0	0.42
99-87-6	p-Isopropyltoluene	20.1		1.0	0.56
135-98-8	sec-Butylbenzene	20.6		1.0	0.53
100-42-5	Styrene	19.7		1.0	0.45
98-06-6	tert-Butylbenzene	21.4		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	17.7		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	21.7		1.0	0.60
127-18-4	Tetrachloroethene	20.2		1.0	0.44
108-88-3	Toluene	20.0		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	19.0		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	20.0		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	19.5		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	19.3		1.0	0.77
71-55-6	1,1,1-Trichloroethane	19.1		1.0	0.48
79-01-6	Trichloroethene	20.9		1.0	0.44
75-69-4	Trichlorofluoromethane	17.8		1.0	0.45
96-18-4	1,2,3-Trichloropropane	21.3		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	20.4		1.0	0.52
75-01-4	Vinyl chloride	17.5		1.0	0.45
1330-20-7	Xylenes, Total	38.1		2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	95		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137
2037-26-5	Toluene-d8 (Surr)	90		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287564.D
Lims ID: 240-154707-E-5 MS
Client ID: MW-10-081621
Sample Type: MS
Inject. Date: 21-Aug-2021 17:15:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112421-017
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 13:56:01 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 13:56:23

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	98	800331	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	536319	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	97	286904	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.539	-0.012	92	190619	20.0	18.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	96	240405	20.0	20.0	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	716756	20.0	18.0	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	84	270724	20.0	19.2	
9 Dichlorodifluoromethane	85	1.404	1.415	-0.011	99	321054	20.0	17.4	
10 Chloromethane	50	1.581	1.640	-0.059	99	543170	20.0	17.3	
12 Vinyl chloride	62	1.676	1.688	-0.012	98	374420	20.0	17.5	
14 Bromomethane	94	1.936	1.936	0.000	92	239850	20.0	15.8	
15 Chloroethane	64	1.983	1.983	0.000	100	274088	20.0	16.2	
16 Dichlorofluoromethane	67	2.173	2.184	-0.011	99	577106	20.0	16.9	
17 Trichlorofluoromethane	101	2.244	2.255	-0.011	98	478609	20.0	17.8	
19 Ethyl ether	59	2.433	2.433	0.000	92	258001	20.0	19.5	
21 1,1-Dichloroethene	61	2.646	2.646	0.000	97	409570	20.0	18.2	
22 112TCTFE	101	2.658	2.670	-0.012	98	248501	20.0	20.0	
23 Acetone	43	2.681	2.693	-0.012	99	162858	40.0	47.4	
27 3-Chloro-1-propene	41	2.942	2.954	-0.012	87	425692	20.0	18.5	
29 Methylene Chloride	49	3.060	3.060	0.000	96	343587	20.0	17.4	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	98	741325	20.0	19.3	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	97	381712	20.0	19.0	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	97	464845	20.0	19.0	
40 2,2-Dichloropropane	77	4.125	4.137	-0.012	62	288487	20.0	19.4	
41 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	87	267676	20.0	19.8	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	100	83372	40.0	55.0	
46 Chlorobromomethane	49	4.326	4.338	-0.012	97	211947	20.0	19.0	
47 Tetrahydrofuran	42	4.374	4.374	0.000	88	222821	40.0	46.5	
48 Chloroform	83	4.397	4.397	0.000	98	420444	20.0	19.7	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	97	361725	20.0	19.1	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	91	353456	20.0	19.7	
52 Carbon tetrachloride	117	4.693	4.693	0.000	77	294100	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
54 Benzene	78	4.859	4.859	0.000	97	970779	20.0	20.5	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	327690	20.0	20.9	
59 Trichloroethene	130	5.403	5.403	0.000	96	229319	20.0	20.9	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	92	217591	20.0	20.8	
64 Dibromomethane	174	5.699	5.699	0.000	93	123105	20.0	21.4	
66 Dichlorobromomethane	83	5.829	5.829	0.000	98	262164	20.0	20.6	
69 cis-1,3-Dichloropropene	75	6.220	6.220	0.000	93	314652	20.0	20.6	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.350	0.000	97	663807	40.0	41.3	
71 Toluene	91	6.504	6.504	0.000	98	923099	20.0	20.0	
72 trans-1,3-Dichloropropene	75	6.705	6.705	0.000	97	288830	20.0	20.0	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	95	176750	20.0	22.0	
76 Tetrachloroethene	166	6.989	6.989	0.000	94	205526	20.0	20.2	
77 1,3-Dichloropropane	76	7.012	7.024	-0.012	93	335109	20.0	21.0	
80 Chlorodibromomethane	129	7.225	7.225	0.000	90	160533	20.0	20.2	
81 Ethylene Dibromide	107	7.332	7.332	0.000	98	183944	20.0	21.0	
83 Chlorobenzene	112	7.770	7.781	-0.011	92	545563	20.0	19.7	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	92	185371	20.0	17.7	
85 Ethylbenzene	106	7.876	7.876	0.000	99	324562	20.0	20.1	
86 m-Xylene & p-Xylene	106	7.983	7.983	0.000	98	393231	20.0	19.3	
87 o-Xylene	106	8.361	8.361	0.000	98	390082	20.0	18.8	
88 Styrene	104	8.373	8.373	0.000	95	608828	20.0	19.7	
89 Bromoform	173	8.551	8.551	0.000	94	104719	20.0	18.8	
90 Isopropylbenzene	105	8.704	8.704	0.000	97	1029861	20.0	18.6	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	86	304238	20.0	21.7	
92 Bromobenzene	156	9.000	9.000	0.000	98	218062	20.0	20.5	
94 1,2,3-Trichloropropane	110	9.048	9.048	0.000	87	99085	20.0	21.3	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	280400	20.0	20.8	
97 2-Chlorotoluene	126	9.190	9.190	0.000	95	229598	20.0	19.9	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	95	810028	20.0	20.3	
99 4-Chlorotoluene	126	9.296	9.296	0.000	98	233270	20.0	20.7	
102 tert-Butylbenzene	119	9.592	9.592	0.000	93	683692	20.0	21.4	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	828392	20.0	20.4	
105 sec-Butylbenzene	105	9.805	9.805	0.000	95	995765	20.0	20.6	
106 1,3-Dichlorobenzene	146	9.923	9.923	0.000	97	416897	20.0	19.7	
107 4-Isopropyltoluene	119	9.947	9.959	-0.012	97	829051	20.0	20.1	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	93	436425	20.0	19.6	
111 n-Butylbenzene	91	10.349	10.361	-0.012	98	719400	20.0	20.0	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	96	419836	20.0	20.2	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	95	59543	20.0	20.2	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	94	225216	20.0	19.3	
116 Hexachlorobutadiene	225	12.136	12.148	-0.012	96	76838	20.0	19.1	
117 Naphthalene	128	12.219	12.219	0.000	98	769401	20.0	20.8	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	94	200914	20.0	19.5	

QC Flag Legend

Processing Flags

Reagents:

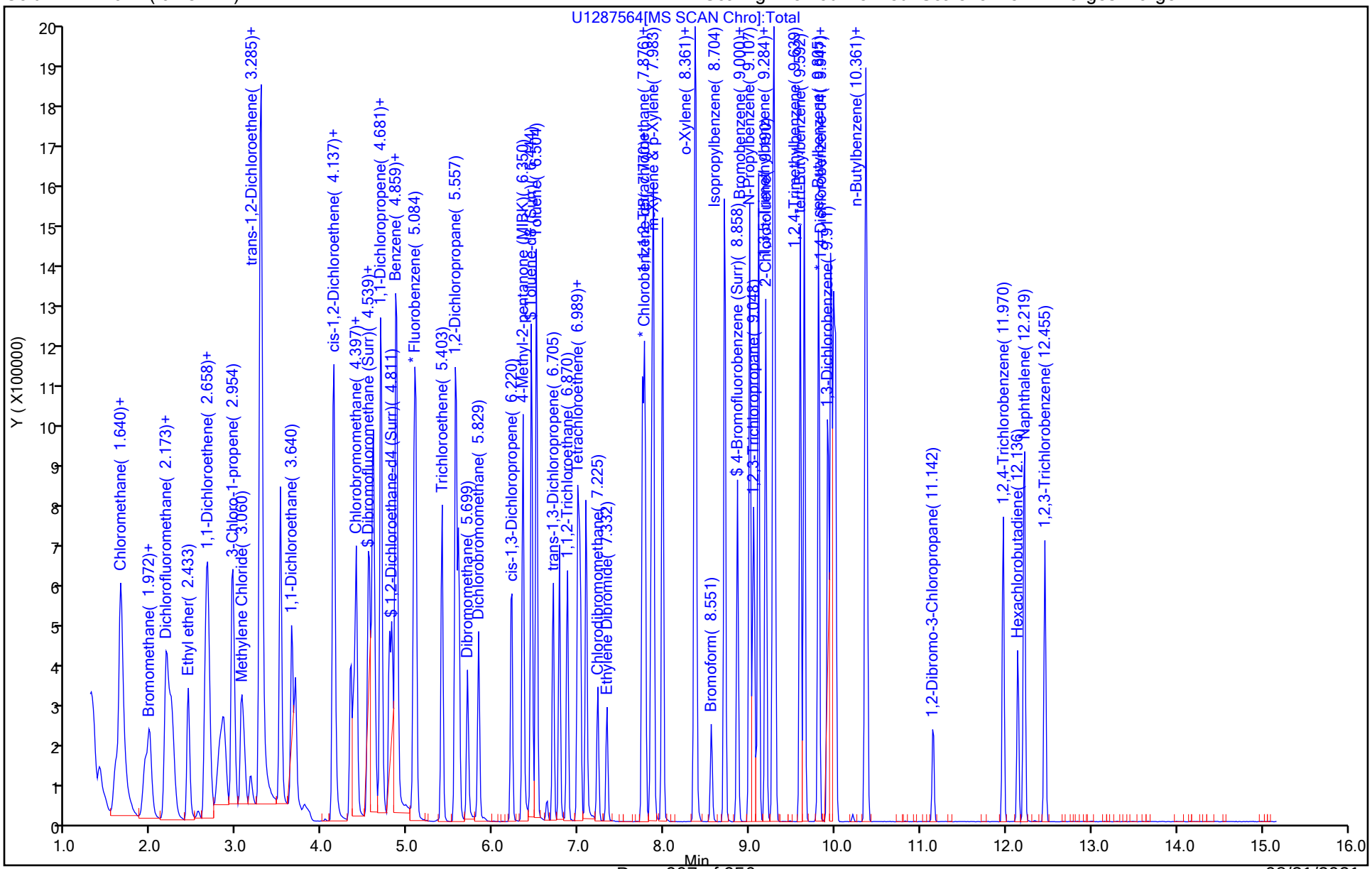
vmfasgw_00420	Amount Added:	16.00	Units: uL	
vmfasaw_00387	Amount Added:	16.00	Units: uL	
vmfaspw_00411	Amount Added:	16.00	Units: uL	
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 23-Aug-2021 13:56:23 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287564.D				
Injection Date:	21-Aug-2021 17:15:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154707-E-5 MS			Worklist Smp#:	17
Client ID:	MW-10-081621				
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
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287564.D				
Lims ID:	240-154707-E-5 MS				
Client ID:	MW-10-081621				
Sample Type:	MS				
Inject. Date:	21-Aug-2021 17:15:30	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112421-017				
Operator ID:	001904	Instrument ID:	A3UX12		
Method:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	23-Aug-2021 13:56:01	Calib Date:	31-Jul-2021 17:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1677				

First Level Reviewer: laveyt Date: 23-Aug-2021 13:56:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.9	94.57
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	20.0	100.19
$ 6 Toluene-d8 (Surr)	20.0	18.0	90.18
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.2	96.06

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 200-59769-B-1 MS

Matrix: Water Lab File ID: U1287656.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 01:21

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	1080		200	110
71-43-2	Benzene	403		20	8.4
108-86-1	Bromobenzene	408		20	10
74-97-5	Bromochloromethane	439		20	11
75-27-4	Bromodichloromethane	412		20	3.4
75-25-2	Bromoform	356		20	15
74-83-9	Bromomethane	323		20	8.4
78-93-3	2-Butanone	1110		200	23
75-15-0	Carbon disulfide	402		20	12
56-23-5	Carbon tetrachloride	397		20	5.2
108-90-7	Chlorobenzene	379		20	7.6
75-00-3	Chloroethane	327		20	17
110-75-8	2-Chloroethyl vinyl ether	80.3	J	200	31
67-66-3	Chloroform	423		20	9.4
74-87-3	Chloromethane	302		20	13
95-49-8	2-Chlorotoluene	407		20	11
106-43-4	4-Chlorotoluene	399		20	8.6
156-59-2	cis-1,2-Dichloroethene	864		20	9.2
10061-01-5	cis-1,3-Dichloropropene	372		20	12
124-48-1	Dibromochloromethane	397		20	7.8
96-12-8	1,2-Dibromo-3-Chloropropane	423		40	18
106-93-4	1,2-Dibromoethane	381		20	8.2
74-95-3	Dibromomethane	452		20	8.0
95-50-1	1,2-Dichlorobenzene	410		20	9.6
541-73-1	1,3-Dichlorobenzene	402		20	9.0
106-46-7	1,4-Dichlorobenzene	391		20	8.2
75-71-8	Dichlorodifluoromethane	274		20	7.0
75-34-3	1,1-Dichloroethane	407		20	9.4
107-06-2	1,2-Dichloroethane	420		20	4.2
75-35-4	1,1-Dichloroethene	389		20	9.8
78-87-5	1,2-Dichloropropane	401		20	9.4
142-28-9	1,3-Dichloropropane	384		20	4.2
594-20-7	2,2-Dichloropropane	429		20	16
563-58-6	1,1-Dichloropropene	374		20	7.2
100-41-4	Ethylbenzene	393		20	8.4
87-68-3	Hexachlorobutadiene	358		20	17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 200-59769-B-1 MS

Matrix: Water Lab File ID: U1287656.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 01:21

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
591-78-6	2-Hexanone	774		200	22
98-82-8	Isopropylbenzene	368		20	9.8
75-09-2	Methylene Chloride	389		100	52
108-10-1	4-Methyl-2-pentanone	821		200	20
1634-04-4	Methyl tert-butyl ether	431		20	9.4
179601-23-1	m-Xylene & p-Xylene	381		40	8.4
91-20-3	Naphthalene	437		20	16
104-51-8	n-Butylbenzene	379		20	12
103-65-1	n-Propylbenzene	401		20	11
95-47-6	o-Xylene	387		20	8.4
99-87-6	p-Isopropyltoluene	399		20	11
135-98-8	sec-Butylbenzene	394		20	11
100-42-5	Styrene	371		20	9.0
98-06-6	tert-Butylbenzene	398		20	9.6
630-20-6	1,1,1,2-Tetrachloroethane	379		20	8.6
79-34-5	1,1,2,2-Tetrachloroethane	438		20	12
127-18-4	Tetrachloroethene	710		20	8.8
108-88-3	Toluene	383		20	8.8
156-60-5	trans-1,2-Dichloroethene	410		20	10
10061-02-6	trans-1,3-Dichloropropene	357		20	13
87-61-6	1,2,3-Trichlorobenzene	412		20	11
120-82-1	1,2,4-Trichlorobenzene	402		20	15
71-55-6	1,1,1-Trichloroethane	411		20	9.6
79-01-6	Trichloroethene	544		20	8.8
75-69-4	Trichlorofluoromethane	349		20	9.0
96-18-4	1,2,3-Trichloropropane	445		20	10
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	401		20	8.2
95-63-6	1,2,4-Trimethylbenzene	418		20	10
108-05-4	Vinyl acetate	350		40	12
75-01-4	Vinyl chloride	403		20	9.0
1330-20-7	Xylenes, Total	768		40	8.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 200-59769-B-1 MS

Matrix: Water Lab File ID: U1287656.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 01:21

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		56-136
1868-53-7	Dibromofluoromethane (Surr)	109		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287656.D
Lims ID: 200-59769-B-1 MS
Client ID:
Sample Type: MS
Inject. Date: 27-Aug-2021 01:21:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 240-0112596-021
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2021 13:24:49 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: laveyt Date: 27-Aug-2021 13:24:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	723127	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	87	475783	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	94	253046	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	93	198047	20.0	21.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	97	238322	20.0	22.0	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	667410	20.0	18.9	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	87	242619	20.0	19.4	
$ 8 BFB	95	1.924	3.433	-1.509	0	29572		NR	
9 Dichlorodifluoromethane	85	1.392	1.391	0.001	99	227862	20.0	13.7	
10 Chloromethane	50	1.581	1.628	-0.047	99	429025	20.0	15.1	
12 Vinyl chloride	62	1.676	1.675	0.001	98	390125	20.0	20.1	
14 Bromomethane	94	1.924	1.924	0.000	92	220884	20.0	16.1	
15 Chloroethane	64	1.983	1.983	0.000	100	250218	20.0	16.3	
17 Trichlorofluoromethane	101	2.244	2.243	0.001	98	422231	20.0	17.4	
20 Acrolein	56	2.551	2.551	0.000	99	31040	100.0	107.2	
21 1,1-Dichloroethene	61	2.634	2.622	0.012	96	395584	20.0	19.4	
22 112TCTFE	101	2.658	2.658	0.000	98	225431	20.0	20.1	
23 Acetone	43	2.681	2.681	0.000	99	167411	40.0	54.2	
24 Iodomethane	142	2.788	2.776	0.012	99	338988	20.0	21.7	
25 Carbon disulfide	76	2.835	2.835	0.000	100	701278	20.0	20.1	
28 Methyl acetate	43	2.965	2.965	0.000	98	482326	40.0	53.5	
29 Methylene Chloride	49	3.048	3.048	0.000	96	346973	20.0	19.4	
31 Acrylonitrile	53	3.273	3.273	0.000	99	1114440	200.0	279.5	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	97	748352	20.0	21.6	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	71	372759	20.0	20.5	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	97	450664	20.0	20.4	
36 Vinyl acetate	43	3.687	3.687	0.000	98	371791	20.0	17.5	
38 2-Chloro-1,3-butadiene	53		3.723					ND	
40 2,2-Dichloropropane	77	4.125	4.125	0.000	45	288106	20.0	21.4	
41 cis-1,2-Dichloroethene	96	4.125	4.125	0.000	87	526803	20.0	43.2	
42 2-Butanone (MEK)	72	4.149	4.137	0.012	99	76091	40.0	55.5	
44 Propionitrile	54		4.208					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
46 Chlorobromomethane	49	4.326	4.326	0.000	96	221544	20.0	21.9	
45 Methacrylonitrile	41		4.326					ND	
47 Tetrahydrofuran	42	4.373	4.362	0.011	88	200817	40.0	46.4	
48 Chloroform	83	4.397	4.397	0.000	97	408514	20.0	21.1	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	97	351954	20.0	20.5	
50 Cyclohexane	84	4.598	4.598	0.000	92	400469	20.0	19.6	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	91	302849	20.0	18.7	
52 Carbon tetrachloride	117	4.681	4.681	0.000	82	273920	20.0	19.9	
53 Isobutyl alcohol	41	4.788	4.787	0.001	93	300191	500.0	599.0	
54 Benzene	78	4.859	4.858	0.001	97	864508	20.0	20.2	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	297090	20.0	21.0	
59 Trichloroethene	130	5.403	5.403	0.000	96	269626	20.0	27.2	
61 Methylcyclohexane	83	5.557	5.557	0.000	93	382811	20.0	19.3	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	87	189500	20.0	20.0	
63 Methyl methacrylate	41		5.687					ND	U
64 Dibromomethane	174	5.699	5.699	0.000	96	117324	20.0	22.6	
65 1,4-Dioxane	88	5.711	5.710	0.001	92	46877	400.0	458.4	
66 Dichlorobromomethane	83	5.829	5.829	0.000	98	236735	20.0	20.6	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	91	23218	20.0	4.01	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	93	257025	20.0	18.6	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.349	0.001	97	596776	40.0	41.1	
71 Toluene	91	6.503	6.503	0.000	98	782889	20.0	19.1	
72 trans-1,3-Dichloropropene	75	6.705	6.704	0.001	96	228617	20.0	17.9	
74 Ethyl methacrylate	69	6.776	6.775	0.001	90	257254	20.0	19.5	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	94	148658	20.0	20.8	
76 Tetrachloroethene	166	6.989	6.988	0.001	96	319648	20.0	35.5	
77 1,3-Dichloropropane	76	7.024	7.024	0.000	93	271039	20.0	19.2	
78 2-Hexanone	43	7.083	7.083	0.000	97	420703	40.0	38.7	
80 Chlorodibromomethane	129	7.225	7.225	0.000	91	139700	20.0	19.9	
81 Ethylene Dibromide	107	7.332	7.332	0.000	100	148271	20.0	19.1	
83 Chlorobenzene	112	7.781	7.781	0.000	95	465362	20.0	18.9	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	93	176196	20.0	19.0	
85 Ethylbenzene	106	7.876	7.876	0.000	99	280697	20.0	19.6	
86 m-Xylene & p-Xylene	106	7.983	7.982	0.000	98	343866	20.0	19.0	
87 o-Xylene	106	8.361	8.361	0.000	97	355506	20.0	19.4	
88 Styrene	104	8.373	8.373	0.000	94	508156	20.0	18.6	
89 Bromoform	173	8.550	8.550	0.000	93	87831	20.0	17.8	
90 Isopropylbenzene	105	8.704	8.704	0.000	97	905748	20.0	18.4	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	88	271175	20.0	21.9	
92 Bromobenzene	156	9.000	9.000	0.000	96	191335	20.0	20.4	
94 1,2,3-Trichloropropane	110	9.047	9.047	0.000	90	91159	20.0	22.2	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	83	75657	20.0	16.3	
96 N-Propylbenzene	120	9.107	9.107	0.001	99	237978	20.0	20.1	
97 2-Chlorotoluene	126	9.189	9.189	0.000	95	206674	20.0	20.4	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	718189	20.0	20.4	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	198208	20.0	19.9	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	560353	20.0	19.9	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	748282	20.0	20.9	
105 sec-Butylbenzene	105	9.805	9.805	0.000	95	841263	20.0	19.7	
106 1,3-Dichlorobenzene	146	9.923	9.923	0.000	98	375550	20.0	20.1	
107 4-Isopropyltoluene	119	9.959	9.958	0.001	97	726242	20.0	20.0	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	93	382769	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
111 n-Butylbenzene	91	10.361	10.361	0.000	98	599962	20.0	19.0	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	95	374551	20.0	20.5	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	81	54981	20.0	21.2	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	93	206871	20.0	20.1	
116 Hexachlorobutadiene	225	12.148	12.148	0.000	96	63591	20.0	17.9	
117 Naphthalene	128	12.219	12.219	0.000	98	712747	20.0	21.8	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	95	187613	20.0	20.6	
S 126 1,2-Dichloroethene, Total	96				0			63.7	
S 128 Xylenes, Total	106				0		40.0	38.4	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

vmfasgw_00421	Amount Added:	16.00	Units: uL	
vmfasaw_00387	Amount Added:	16.00	Units: uL	
vmfaspw_00411	Amount Added:	16.00	Units: uL	
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

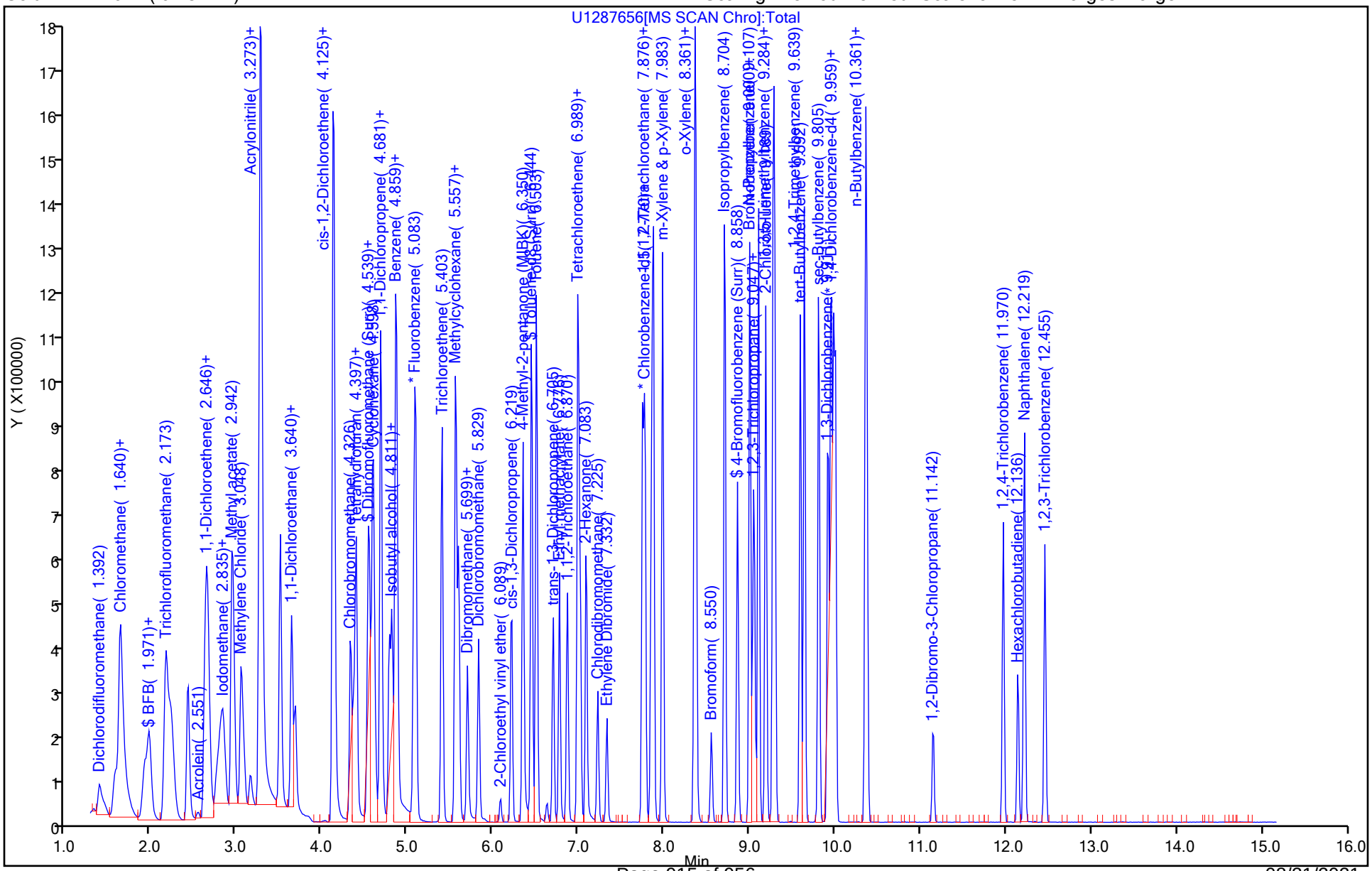
Report Date: 27-Aug-2021 13:24:50 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287656.D

Injection Date:	27-Aug-2021 01:21:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	200-59769-B-1 MS			Worklist Smp#:	21
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	20
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\20210826-112596.b\U1287656.D
Lims ID: 200-59769-B-1 MS
Client ID:
Sample Type: MS
Inject. Date: 27-Aug-2021 01:21:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 240-0112596-021
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2021 13:24:49 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: laveyt Date: 27-Aug-2021 13:24:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.7	108.74
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	22.0	109.92
$ 6 Toluene-d8 (Surr)	20.0	18.9	94.65
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.4	97.05

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-154707-H-5 MSD

Matrix: Water Lab File ID: U1287565.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 17:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	55.0		10	5.4
71-43-2	Benzene	20.6		1.0	0.42
108-86-1	Bromobenzene	20.1		1.0	0.50
74-97-5	Bromochloromethane	19.9		1.0	0.54
75-27-4	Bromodichloromethane	20.9		1.0	0.17
75-25-2	Bromoform	18.9		1.0	0.76
74-83-9	Bromomethane	15.9		1.0	0.42
78-93-3	2-Butanone	56.0		10	1.2
56-23-5	Carbon tetrachloride	19.4		1.0	0.26
108-90-7	Chlorobenzene	19.3		1.0	0.38
75-00-3	Chloroethane	15.6		1.0	0.83
67-66-3	Chloroform	19.7		1.0	0.47
74-87-3	Chloromethane	17.2		1.0	0.63
95-49-8	2-Chlorotoluene	19.0		1.0	0.57
106-43-4	4-Chlorotoluene	19.4		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	19.9		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	20.4		1.0	0.61
124-48-1	Dibromochloromethane	20.1		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	20.8		2.0	0.91
106-93-4	1,2-Dibromoethane	20.5		1.0	0.41
74-95-3	Dibromomethane	22.4		1.0	0.40
95-50-1	1,2-Dichlorobenzene	19.6		1.0	0.48
541-73-1	1,3-Dichlorobenzene	19.5		1.0	0.45
106-46-7	1,4-Dichlorobenzene	19.3		1.0	0.41
75-71-8	Dichlorodifluoromethane	18.5		1.0	0.35
75-34-3	1,1-Dichloroethane	19.5		1.0	0.47
107-06-2	1,2-Dichloroethane	21.3		1.0	0.21
75-35-4	1,1-Dichloroethene	18.6		1.0	0.49
78-87-5	1,2-Dichloropropane	21.2		1.0	0.47
142-28-9	1,3-Dichloropropane	21.0		1.0	0.21
594-20-7	2,2-Dichloropropane	19.2		1.0	0.78
563-58-6	1,1-Dichloropropene	19.7		1.0	0.36
100-41-4	Ethylbenzene	18.8		1.0	0.42
87-68-3	Hexachlorobutadiene	18.5		1.0	0.83
98-82-8	Isopropylbenzene	18.2		1.0	0.49
75-09-2	Methylene Chloride	17.7		5.0	2.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-154707-H-5 MSD

Matrix: Water Lab File ID: U1287565.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/21/2021 17:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 500502 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone	44.5		10	0.99
1634-04-4	Methyl tert-butyl ether	19.4		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	19.2		2.0	0.42
91-20-3	Naphthalene	21.2		1.0	0.80
104-51-8	n-Butylbenzene	19.2		1.0	0.60
103-65-1	n-Propylbenzene	19.2		1.0	0.57
95-47-6	o-Xylene	19.3		1.0	0.42
99-87-6	p-Isopropyltoluene	19.8		1.0	0.56
135-98-8	sec-Butylbenzene	19.4		1.0	0.53
100-42-5	Styrene	19.9		1.0	0.45
98-06-6	tert-Butylbenzene	20.8		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	17.3		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.0	0.60
127-18-4	Tetrachloroethene	20.2		1.0	0.44
108-88-3	Toluene	19.5		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	19.0		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	20.0		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	20.0		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	18.8		1.0	0.77
71-55-6	1,1,1-Trichloroethane	19.5		1.0	0.48
79-01-6	Trichloroethene	21.2		1.0	0.44
75-69-4	Trichlorofluoromethane	17.5		1.0	0.45
96-18-4	1,2,3-Trichloropropane	20.5		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	19.7		1.0	0.52
75-01-4	Vinyl chloride	17.4		1.0	0.45
1330-20-7	Xylenes, Total	38.5		2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		56-136
1868-53-7	Dibromofluoromethane (Surr)	101		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		62-137
2037-26-5	Toluene-d8 (Surr)	90		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287565.D
Lims ID: 240-154707-H-5 MSD
Client ID: MW-10-081621
Sample Type: MSD
Inject. Date: 21-Aug-2021 17:37:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112421-018
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 13:56:54 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 13:56:54

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	98	812098	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	90	559376	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	94	306827	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.539	-0.012	92	206439	20.0	20.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	97	257993	20.0	21.2	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	94	748906	20.0	18.1	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	86	277900	20.0	18.9	
9 Dichlorodifluoromethane	85	1.392	1.415	-0.023	99	346184	20.0	18.5	
10 Chloromethane	50	1.581	1.640	-0.059	98	548618	20.0	17.2	M
12 Vinyl chloride	62	1.676	1.688	-0.012	99	379416	20.0	17.4	
14 Bromomethane	94	1.924	1.936	-0.012	92	244061	20.0	15.9	
15 Chloroethane	64	1.971	1.983	-0.012	100	267715	20.0	15.6	
16 Dichlorofluoromethane	67	2.173	2.184	-0.011	100	572288	20.0	16.5	
17 Trichlorofluoromethane	101	2.244	2.255	-0.011	97	476210	20.0	17.5	
19 Ethyl ether	59	2.433	2.433	0.000	93	266733	20.0	19.8	
21 1,1-Dichloroethene	61	2.634	2.646	-0.012	96	424749	20.0	18.6	
22 112TCTFE	101	2.658	2.670	-0.012	98	252609	20.0	20.0	
23 Acetone	43	2.681	2.693	-0.012	98	190592	40.0	55.0	
27 3-Chloro-1-propene	41	2.942	2.954	-0.012	87	440920	20.0	18.9	
29 Methylene Chloride	49	3.048	3.060	-0.012	96	354768	20.0	17.7	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	96	755982	20.0	19.4	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	73	387373	20.0	19.0	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	97	483768	20.0	19.5	
40 2,2-Dichloropropane	77	4.125	4.137	-0.012	60	290148	20.0	19.2	
41 cis-1,2-Dichloroethene	96	4.137	4.137	0.000	87	272399	20.0	19.9	
42 2-Butanone (MEK)	72	4.149	4.149	0.000	100	86267	40.0	56.0	
46 Chlorobromomethane	49	4.326	4.338	-0.012	96	226210	20.0	19.9	
47 Tetrahydrofuran	42	4.374	4.374	0.000	87	232047	40.0	47.8	
48 Chloroform	83	4.397	4.397	0.000	98	428084	20.0	19.7	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	97	374602	20.0	19.5	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	91	358623	20.0	19.7	
52 Carbon tetrachloride	117	4.693	4.693	0.000	96	300456	20.0	19.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
54 Benzene	78	4.859	4.859	0.000	97	989722	20.0	20.6	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	339009	20.0	21.3	
59 Trichloroethene	130	5.403	5.403	0.000	96	236529	20.0	21.2	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	92	225703	20.0	21.2	
64 Dibromomethane	174	5.699	5.699	0.000	96	130571	20.0	22.4	
66 Dichlorobromomethane	83	5.829	5.829	0.000	98	269463	20.0	20.9	
69 cis-1,3-Dichloropropene	75	6.219	6.220	-0.001	93	316919	20.0	20.4	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.350	0.000	97	725787	40.0	44.5	
71 Toluene	91	6.503	6.504	-0.001	98	935491	20.0	19.5	
72 trans-1,3-Dichloropropene	75	6.705	6.705	0.000	97	300277	20.0	20.0	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	96	178342	20.0	21.2	
76 Tetrachloroethene	166	6.989	6.989	0.000	96	214311	20.0	20.2	
77 1,3-Dichloropropane	76	7.012	7.024	-0.012	94	349241	20.0	21.0	
80 Chlorodibromomethane	129	7.225	7.225	0.000	91	166668	20.0	20.1	
81 Ethylene Dibromide	107	7.332	7.332	0.000	98	187325	20.0	20.5	
83 Chlorobenzene	112	7.770	7.781	-0.011	92	558676	20.0	19.3	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	93	189280	20.0	17.3	
85 Ethylbenzene	106	7.876	7.876	0.000	99	316459	20.0	18.8	
86 m-Xylene & p-Xylene	106	7.983	7.983	0.000	98	407935	20.0	19.2	
87 o-Xylene	106	8.361	8.361	0.000	97	416070	20.0	19.3	
88 Styrene	104	8.373	8.373	0.000	95	640014	20.0	19.9	
89 Bromoform	173	8.551	8.551	0.000	94	109369	20.0	18.9	
90 Isopropylbenzene	105	8.704	8.704	0.000	97	1055521	20.0	18.2	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	85	316648	20.0	21.1	
92 Bromobenzene	156	9.000	9.000	0.000	97	228560	20.0	20.1	
94 1,2,3-Trichloropropane	110	9.048	9.048	0.000	87	101989	20.0	20.5	
96 N-Propylbenzene	120	9.107	9.107	0.000	99	276872	20.0	19.2	
97 2-Chlorotoluene	126	9.190	9.190	0.000	95	233511	20.0	19.0	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	95	839053	20.0	19.7	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	234206	20.0	19.4	
102 tert-Butylbenzene	119	9.592	9.592	0.000	93	710848	20.0	20.8	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	854614	20.0	19.7	
105 sec-Butylbenzene	105	9.805	9.805	0.000	95	1005540	20.0	19.4	
106 1,3-Dichlorobenzene	146	9.923	9.923	0.000	98	441064	20.0	19.5	
107 4-Isopropyltoluene	119	9.947	9.959	-0.012	97	872215	20.0	19.8	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	94	458375	20.0	19.3	
111 n-Butylbenzene	91	10.349	10.361	-0.012	98	737430	20.0	19.2	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	96	433625	20.0	19.6	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	90	65365	20.0	20.8	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	94	235219	20.0	18.8	
116 Hexachlorobutadiene	225	12.136	12.148	-0.012	92	79622	20.0	18.5	
117 Naphthalene	128	12.219	12.219	0.000	98	837439	20.0	21.2	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	94	220904	20.0	20.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

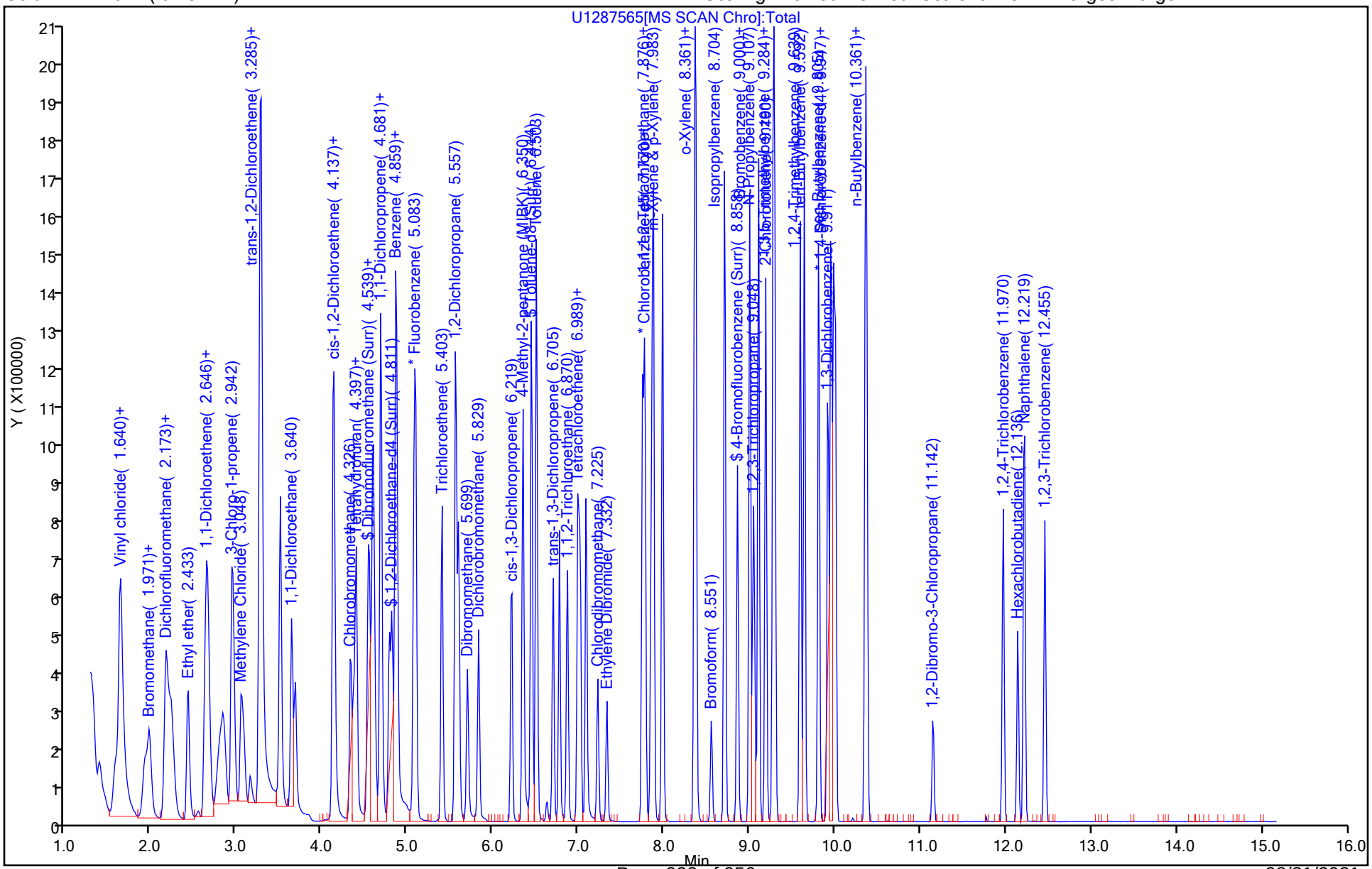
vmfasgw_00420	Amount Added:	16.00	Units: uL	
vmfasaw_00387	Amount Added:	16.00	Units: uL	
vmfaspw_00411	Amount Added:	16.00	Units: uL	
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 23-Aug-2021 13:56:55 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287565.D				
Injection Date:	21-Aug-2021 17:37:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	240-154707-H-5 MSD			Worklist Smp#:	18
Client ID:	MW-10-081621				
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
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287565.D
Lims ID: 240-154707-H-5 MSD
Client ID: MW-10-081621
Sample Type: MSD
Inject. Date: 21-Aug-2021 17:37:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112421-018
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Aug-2021 13:56:54 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: laveyt Date: 23-Aug-2021 13:56:54

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.2	100.93
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.2	105.96
$ 6 Toluene-d8 (Surr)	20.0	18.1	90.34
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.9	94.55

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

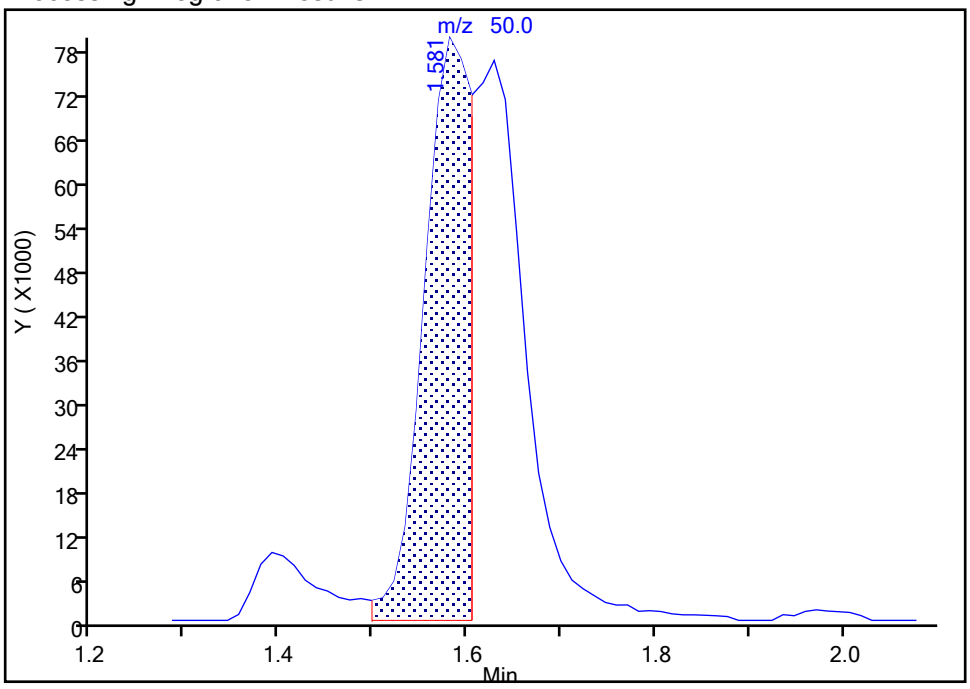
Data File:	\\chromfs\Canton\ChromData\A3UX12\20210821-112421.b\U1287565.D				
Injection Date:	21-Aug-2021 17:37:30	Instrument ID:	A3UX12		
Lims ID:	240-154707-H-5 MSD				
Client ID:	MW-10-081621				
Operator ID:	001904	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	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

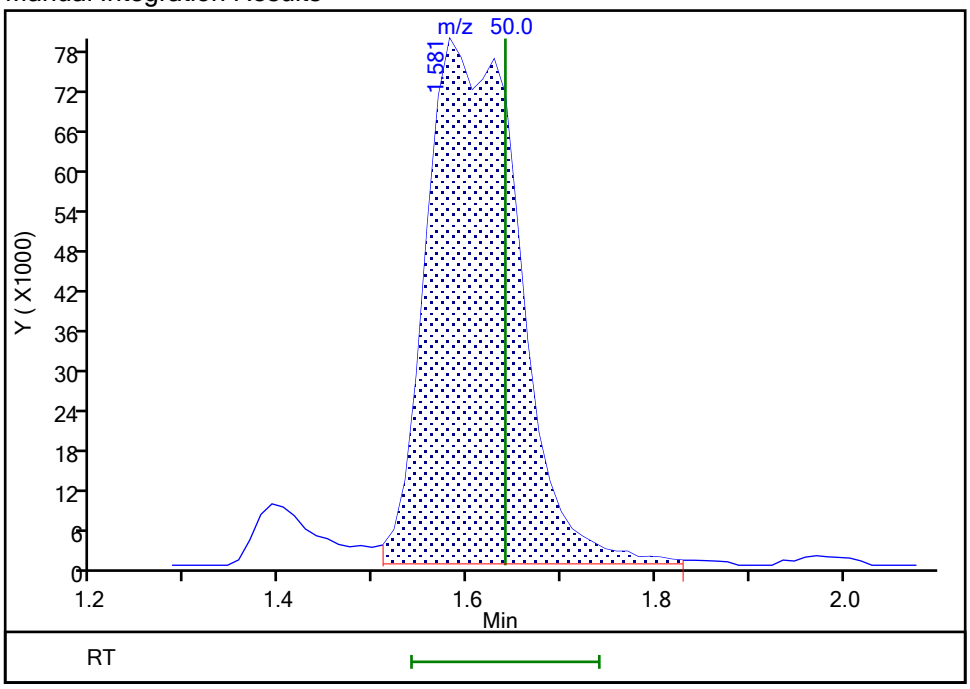
Processing Integration Results

RT: 1.58
Area: 287614
Amount: 9.026685
Amount Units: ug/l



Manual Integration Results

RT: 1.58
Area: 548618
Amount: 17.218223
Amount Units: ug/l



Reviewer: laveyt, 23-Aug-2021 13:56:49

Audit Action: Manually Integrated Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 200-59769-B-1 MSD

Matrix: Water Lab File ID: U1287657.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 01:42

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	1150		200	110
71-43-2	Benzene	412		20	8.4
108-86-1	Bromobenzene	408		20	10
74-97-5	Bromochloromethane	422		20	11
75-27-4	Bromodichloromethane	425		20	3.4
75-25-2	Bromoform	394		20	15
74-83-9	Bromomethane	313		20	8.4
78-93-3	2-Butanone	1360		200	23
75-15-0	Carbon disulfide	417		20	12
56-23-5	Carbon tetrachloride	416		20	5.2
108-90-7	Chlorobenzene	381		20	7.6
75-00-3	Chloroethane	315		20	17
110-75-8	2-Chloroethyl vinyl ether	71.3	J	200	31
67-66-3	Chloroform	423		20	9.4
74-87-3	Chloromethane	293		20	13
95-49-8	2-Chlorotoluene	396		20	11
106-43-4	4-Chlorotoluene	387		20	8.6
156-59-2	cis-1,2-Dichloroethene	864		20	9.2
10061-01-5	cis-1,3-Dichloropropene	391		20	12
124-48-1	Dibromochloromethane	401		20	7.8
96-12-8	1,2-Dibromo-3-Chloropropane	441		40	18
106-93-4	1,2-Dibromoethane	394		20	8.2
74-95-3	Dibromomethane	471		20	8.0
95-50-1	1,2-Dichlorobenzene	407		20	9.6
541-73-1	1,3-Dichlorobenzene	392		20	9.0
106-46-7	1,4-Dichlorobenzene	382		20	8.2
75-71-8	Dichlorodifluoromethane	277		20	7.0
75-34-3	1,1-Dichloroethane	416		20	9.4
107-06-2	1,2-Dichloroethane	419		20	4.2
75-35-4	1,1-Dichloroethene	401		20	9.8
78-87-5	1,2-Dichloropropane	422		20	9.4
142-28-9	1,3-Dichloropropane	389		20	4.2
594-20-7	2,2-Dichloropropane	437		20	16
563-58-6	1,1-Dichloropropene	389		20	7.2
100-41-4	Ethylbenzene	399		20	8.4
87-68-3	Hexachlorobutadiene	396		20	17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 200-59769-B-1 MSD

Matrix: Water Lab File ID: U1287657.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 01:42

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
591-78-6	2-Hexanone	933		200	22
98-82-8	Isopropylbenzene	377		20	9.8
75-09-2	Methylene Chloride	388		100	52
108-10-1	4-Methyl-2-pentanone	914		200	20
1634-04-4	Methyl tert-butyl ether	428		20	9.4
179601-23-1	m-Xylene & p-Xylene	380		40	8.4
91-20-3	Naphthalene	441		20	16
104-51-8	n-Butylbenzene	374		20	12
103-65-1	n-Propylbenzene	395		20	11
95-47-6	o-Xylene	390		20	8.4
99-87-6	p-Isopropyltoluene	385		20	11
135-98-8	sec-Butylbenzene	386		20	11
100-42-5	Styrene	393		20	9.0
98-06-6	tert-Butylbenzene	390		20	9.6
630-20-6	1,1,1,2-Tetrachloroethane	373		20	8.6
79-34-5	1,1,2,2-Tetrachloroethane	433		20	12
127-18-4	Tetrachloroethene	707		20	8.8
108-88-3	Toluene	377		20	8.8
156-60-5	trans-1,2-Dichloroethene	424		20	10
10061-02-6	trans-1,3-Dichloropropene	370		20	13
87-61-6	1,2,3-Trichlorobenzene	425		20	11
120-82-1	1,2,4-Trichlorobenzene	410		20	15
71-55-6	1,1,1-Trichloroethane	426		20	9.6
79-01-6	Trichloroethene	558		20	8.8
75-69-4	Trichlorofluoromethane	338		20	9.0
96-18-4	1,2,3-Trichloropropane	435		20	10
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	392		20	8.2
95-63-6	1,2,4-Trimethylbenzene	397		20	10
108-05-4	Vinyl acetate	358		40	12
75-01-4	Vinyl chloride	399		20	9.0
1330-20-7	Xylenes, Total	770		40	8.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 200-59769-B-1 MSD

Matrix: Water Lab File ID: U1287657.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2021 01:42

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 501270 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		56-136
1868-53-7	Dibromofluoromethane (Surr)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287657.D
Lims ID: 200-59769-B-1 MSD
Client ID:
Sample Type: MSD
Inject. Date: 27-Aug-2021 01:42:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 240-0112596-022
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2021 13:25:55 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: laveyt Date: 27-Aug-2021 13:25:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.095	5.095	0.000	98	727604	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.746	7.746	0.000	87	492135	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.982	9.982	0.000	95	271058	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	4.527	4.527	0.000	93	198708	20.0	21.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.811	4.811	0.000	97	236089	20.0	21.6	
$ 6 Toluene-d8 (Surr)	98	6.444	6.444	0.000	93	670525	20.0	18.4	
$ 7 4-Bromofluorobenzene (Surr)	95	8.858	8.858	0.000	87	246198	20.0	19.0	
$ 8 BFB	95	1.924	3.433	-1.509	0	29956		NR	
9 Dichlorodifluoromethane	85	1.392	1.391	0.001	99	231899	20.0	13.8	
10 Chloromethane	50	1.581	1.628	-0.047	98	418842	20.0	14.7	M
12 Vinyl chloride	62	1.676	1.675	0.001	98	388963	20.0	20.0	
14 Bromomethane	94	1.924	1.924	0.000	91	215211	20.0	15.6	
15 Chloroethane	64	1.983	1.983	0.000	100	242388	20.0	15.7	
17 Trichlorofluoromethane	101	2.244	2.243	0.001	97	411657	20.0	16.9	
20 Acrolein	56	2.551	2.551	0.000	98	25211	100.0	86.5	
21 1,1-Dichloroethene	61	2.634	2.622	0.012	96	410170	20.0	20.0	
22 112TCTFE	101	2.658	2.658	0.000	98	221926	20.0	19.6	
23 Acetone	43	2.693	2.681	0.012	99	178455	40.0	57.6	
24 Iodomethane	142	2.788	2.776	0.012	99	352412	20.0	22.4	
25 Carbon disulfide	76	2.835	2.835	0.000	100	730792	20.0	20.8	
28 Methyl acetate	43	2.965	2.965	0.000	98	498967	40.0	55.0	
29 Methylene Chloride	49	3.048	3.048	0.000	96	348687	20.0	19.4	
31 Acrylonitrile	53	3.273	3.273	0.000	99	1108081	200.0	276.2	
33 Methyl tert-butyl ether	73	3.285	3.285	0.000	96	747566	20.0	21.4	
32 trans-1,2-Dichloroethene	61	3.285	3.285	0.000	74	388069	20.0	21.2	
35 1,1-Dichloroethane	63	3.640	3.640	0.000	97	462841	20.0	20.8	
36 Vinyl acetate	43	3.687	3.687	0.000	97	382949	20.0	17.9	
38 2-Chloro-1,3-butadiene	53		3.723					ND	
40 2,2-Dichloropropane	77	4.125	4.125	0.000	45	295641	20.0	21.9	
41 cis-1,2-Dichloroethene	96	4.137	4.125	0.012	85	530306	20.0	43.2	
42 2-Butanone (MEK)	72	4.149	4.137	0.012	100	93847	40.0	68.0	
44 Propionitrile	54		4.208					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
46 Chlorobromomethane	49	4.326	4.326	0.000	97	214588	20.0	21.1	
45 Methacrylonitrile	41		4.326					ND	
47 Tetrahydrofuran	42	4.374	4.362	0.012	86	230334	40.0	52.9	
48 Chloroform	83	4.397	4.397	0.000	97	411483	20.0	21.2	
49 1,1,1-Trichloroethane	97	4.551	4.551	0.000	98	367159	20.0	21.3	
50 Cyclohexane	84	4.598	4.598	0.000	92	409257	20.0	19.9	
51 1,1-Dichloropropene	75	4.681	4.681	0.000	93	316766	20.0	19.5	
52 Carbon tetrachloride	117	4.693	4.681	0.012	96	288885	20.0	20.8	
53 Isobutyl alcohol	41	4.788	4.787	0.001	94	335372	500.0	665.0	
54 Benzene	78	4.859	4.858	0.001	97	888245	20.0	20.6	
55 1,2-Dichloroethane	62	4.882	4.882	0.000	97	298764	20.0	21.0	
59 Trichloroethene	130	5.403	5.403	0.000	96	278486	20.0	27.9	
61 Methylcyclohexane	83	5.557	5.557	0.000	93	389413	20.0	19.6	
62 1,2-Dichloropropane	63	5.592	5.592	0.000	91	201008	20.0	21.1	
63 Methyl methacrylate	41		5.687					ND	U
64 Dibromomethane	174	5.699	5.699	0.000	95	122990	20.0	23.6	
65 1,4-Dioxane	88	5.734	5.710	0.024	93	50737	400.0	491.9	
66 Dichlorobromomethane	83	5.829	5.829	0.000	98	246203	20.0	21.3	
68 2-Chloroethyl vinyl ether	63	6.089	6.089	0.000	90	20747	20.0	3.56	
69 cis-1,3-Dichloropropene	75	6.219	6.219	0.000	93	271854	20.0	19.5	
70 4-Methyl-2-pentanone (MIBK)	43	6.350	6.349	0.001	97	668180	40.0	45.7	
71 Toluene	91	6.503	6.503	0.000	98	796859	20.0	18.8	
72 trans-1,3-Dichloropropene	75	6.705	6.704	0.001	97	245072	20.0	18.5	
74 Ethyl methacrylate	69	6.776	6.775	0.001	90	276776	20.0	20.3	
75 1,1,2-Trichloroethane	97	6.870	6.870	0.000	95	156852	20.0	21.2	
76 Tetrachloroethene	166	6.989	6.988	0.001	97	329267	20.0	35.3	
77 1,3-Dichloropropane	76	7.012	7.024	-0.012	93	283933	20.0	19.4	
78 2-Hexanone	43	7.083	7.083	0.000	98	524475	40.0	46.6	
80 Chlorodibromomethane	129	7.225	7.225	0.000	91	145940	20.0	20.1	
81 Ethylene Dibromide	107	7.332	7.332	0.000	98	158471	20.0	19.7	
83 Chlorobenzene	112	7.770	7.781	-0.011	93	484476	20.0	19.1	
84 1,1,1,2-Tetrachloroethane	131	7.852	7.852	0.000	93	179266	20.0	18.7	
85 Ethylbenzene	106	7.876	7.876	0.000	99	294666	20.0	19.9	
86 m-Xylene & p-Xylene	106	7.983	7.982	0.001	98	355102	20.0	19.0	
87 o-Xylene	106	8.361	8.361	0.000	97	370544	20.0	19.5	
88 Styrene	104	8.373	8.373	0.000	95	556233	20.0	19.6	
89 Bromoform	173	8.551	8.550	0.001	94	100619	20.0	19.7	
90 Isopropylbenzene	105	8.704	8.704	0.000	97	959398	20.0	18.8	
93 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	87	287001	20.0	21.6	
92 Bromobenzene	156	9.000	9.000	0.000	97	204852	20.0	20.4	
94 1,2,3-Trichloropropane	110	9.048	9.047	0.001	88	95445	20.0	21.7	
95 trans-1,4-Dichloro-2-butene	53	9.059	9.059	0.000	83	83893	20.0	16.9	
96 N-Propylbenzene	120	9.107	9.107	0.001	99	251123	20.0	19.8	
97 2-Chlorotoluene	126	9.190	9.189	0.001	95	215224	20.0	19.8	
98 1,3,5-Trimethylbenzene	105	9.272	9.272	0.000	96	752556	20.0	20.0	
99 4-Chlorotoluene	126	9.296	9.296	0.000	99	206141	20.0	19.4	
102 tert-Butylbenzene	119	9.592	9.592	0.000	94	589202	20.0	19.5	
104 1,2,4-Trimethylbenzene	105	9.639	9.639	0.000	96	761569	20.0	19.9	
105 sec-Butylbenzene	105	9.805	9.805	0.000	95	882040	20.0	19.3	
106 1,3-Dichlorobenzene	146	9.923	9.923	0.000	98	392408	20.0	19.6	
107 4-Isopropyltoluene	119	9.947	9.958	-0.011	97	750710	20.0	19.3	
108 1,4-Dichlorobenzene	146	10.006	10.006	0.000	93	400850	20.0	19.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
111 n-Butylbenzene	91	10.361	10.361	0.000	97	634021	20.0	18.7	
112 1,2-Dichlorobenzene	146	10.373	10.373	0.000	96	398864	20.0	20.4	
113 1,2-Dibromo-3-Chloropropane	157	11.154	11.154	0.000	80	61353	20.0	22.1	
115 1,2,4-Trichlorobenzene	180	11.970	11.970	0.000	94	226264	20.0	20.5	
116 Hexachlorobutadiene	225	12.148	12.148	0.000	97	75399	20.0	19.8	
117 Naphthalene	128	12.219	12.219	0.000	97	770471	20.0	22.0	
118 1,2,3-Trichlorobenzene	180	12.455	12.455	0.000	94	206832	20.0	21.2	
S 126 1,2-Dichloroethene, Total	96				0			64.4	
S 128 Xylenes, Total	106				0		40.0	38.5	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

vmfasgw_00421	Amount Added: 16.00	Units: uL	
vmfasaw_00387	Amount Added: 16.00	Units: uL	
vmfaspw_00411	Amount Added: 16.00	Units: uL	
vmDist_H2o_00201	Amount Added: 0.00	Units:	Run Reagent
vm50is_stk_a_00009	Amount Added: 2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added: 2.00	Units: uL	Run Reagent

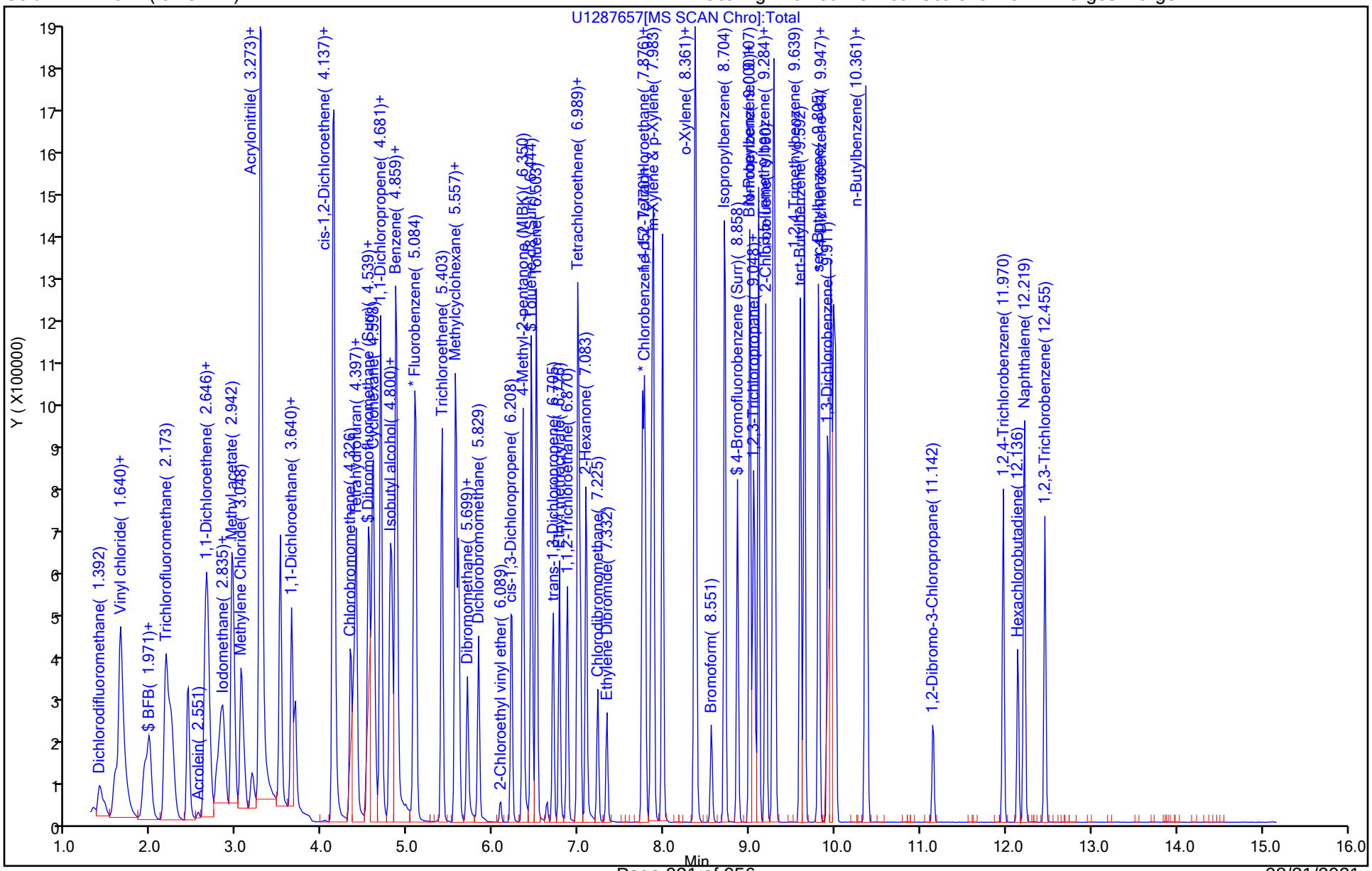
Report Date: 27-Aug-2021 13:25:56 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287657.D

Injection Date:	27-Aug-2021 01:42:30	Instrument ID:	A3UX12	Operator ID:	001904
Lims ID:	200-59769-B-1 MSD			Worklist Smp#:	22
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	21
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\20210826-112596.b\U1287657.D
Lims ID: 200-59769-B-1 MSD
Client ID:
Sample Type: MSD
Inject. Date: 27-Aug-2021 01:42:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 240-0112596-022
Operator ID: 001904 Instrument ID: A3UX12

Method: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\8260_12_h2o.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Aug-2021 13:25:55 Calib Date: 31-Jul-2021 17:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX12\20210731-111756.b\U1287177.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: laveyt Date: 27-Aug-2021 13:25:55

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	21.7	108.44
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.6	108.22
$ 6 Toluene-d8 (Surr)	20.0	18.4	91.94
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.0	95.20

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

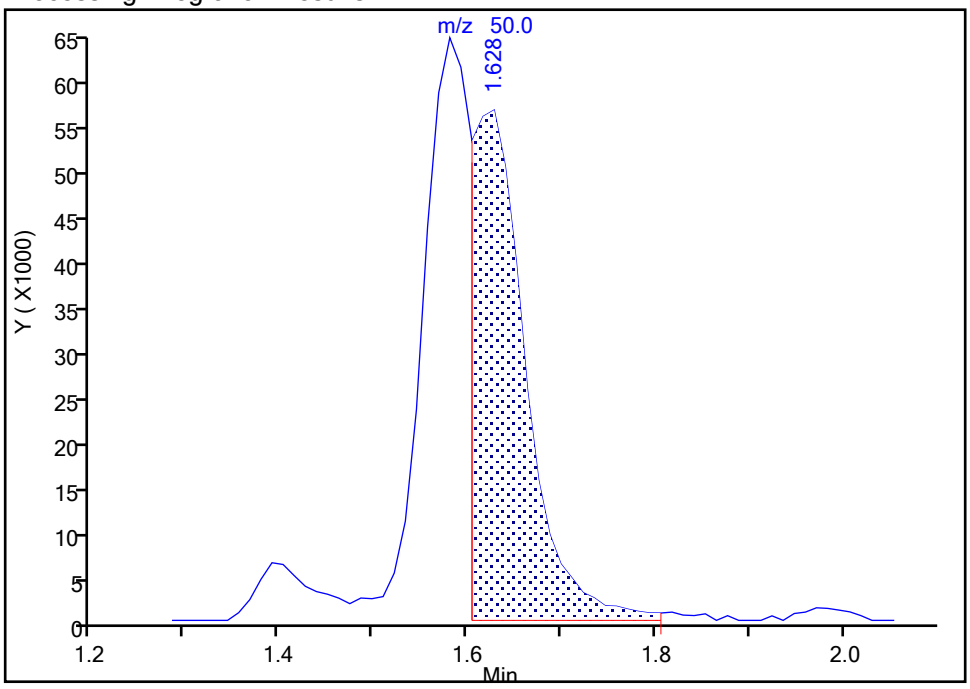
Data File: \\chromfs\Canton\ChromData\A3UX12\20210826-112596.b\U1287657.D
Injection Date: 27-Aug-2021 01:42:30 Instrument ID: A3UX12
Lims ID: 200-59769-B-1 MSD
Client ID:
Operator ID: 001904 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Method: 8260_12_h2o Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

10 Chloromethane, CAS: 74-87-3

Signal: 1

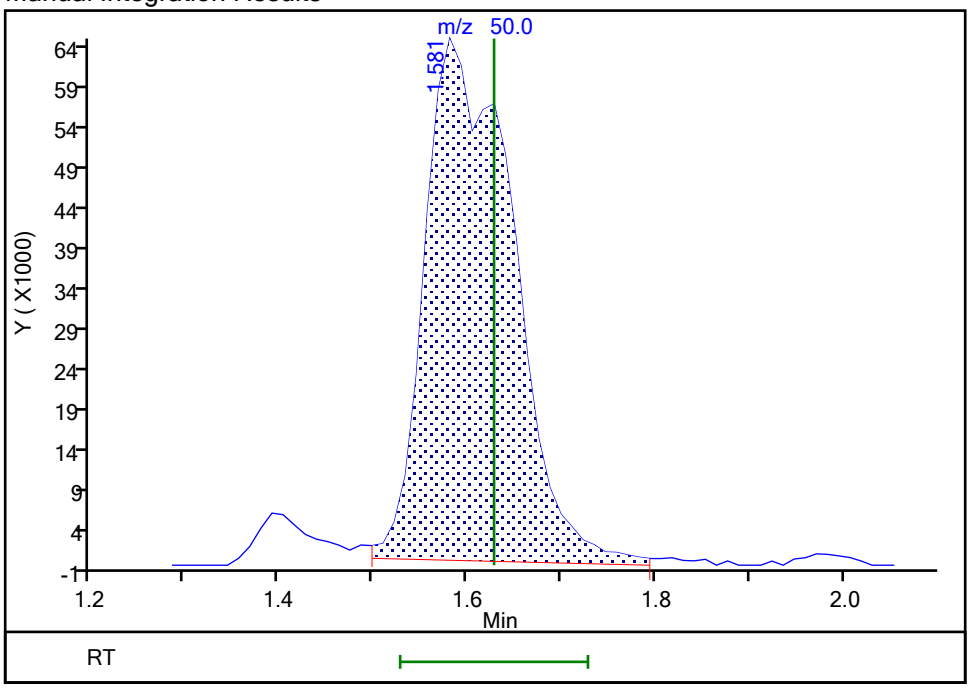
Processing Integration Results

RT: 1.63
Area: 233814
Amount: 8.190344
Amount Units: ug/l



Manual Integration Results

RT: 1.58
Area: 418842
Amount: 14.671748
Amount Units: ug/l



Reviewer: laveyt, 27-Aug-2021 13:25:13
Audit Action: Manually Integrated Audit Reason: Split Peak

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Start Date: 07/31/2021 10:57

Analysis Batch Number: 497502 End Date: 07/31/2021 17:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-497502/1		07/31/2021 10:57	1	BFB4720.D	DB-624 0.18(mm)
STD8260 240-497502/10 IC		07/31/2021 11:43	1	U1287160.D	DB-624 0.18(mm)
STD8260 240-497502/11 IC		07/31/2021 12:05	1	U1287161.D	DB-624 0.18(mm)
STD8260 240-497502/12 IC		07/31/2021 12:27	1	U1287162.D	DB-624 0.18(mm)
STD8260 240-497502/13 IC		07/31/2021 12:49	1	U1287163.D	DB-624 0.18(mm)
ICIS 240-497502/14		07/31/2021 13:11	1	U1287164.D	DB-624 0.18(mm)
STD8260 240-497502/15 IC		07/31/2021 13:33	1	U1287165.D	DB-624 0.18(mm)
STD8260 240-497502/16 IC		07/31/2021 13:55	1	U1287166.D	DB-624 0.18(mm)
STD8260 240-497502/17 IC		07/31/2021 14:17	1	U1287167.D	DB-624 0.18(mm)
ICV 240-497502/18		07/31/2021 14:39	1	U1287168.D	DB-624 0.18(mm)
STDA9 240-497502/21 IC		07/31/2021 15:46	1	U1287171.D	DB-624 0.18(mm)
STDA9 240-497502/22 IC		07/31/2021 16:08	1	U1287172.D	DB-624 0.18(mm)
STDA9 240-497502/23 IC		07/31/2021 16:30	1	U1287173.D	DB-624 0.18(mm)
STDA9 240-497502/24 IC		07/31/2021 16:52	1	U1287174.D	DB-624 0.18(mm)
STDA9 240-497502/25 IC		07/31/2021 17:14	1	U1287175.D	DB-624 0.18(mm)
STDA9 240-497502/26 IC		07/31/2021 17:37	1	U1287176.D	DB-624 0.18(mm)
STDA9 240-497502/27 IC		07/31/2021 17:59	1	U1287177.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Start Date: 08/02/2021 16:50

Analysis Batch Number: 497699 End Date: 08/02/2021 19:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-497699/1		08/02/2021 16:50	1	BFB4721.D	DB-624 0.18(mm)
CCV 240-497699/3		08/02/2021 17:15	1		DB-624 0.18(mm)
CCVIS 240-497699/4		08/02/2021 17:37	1		DB-624 0.18(mm)
ICV 240-497699/6		08/02/2021 18:21	1	U1287184.D	DB-624 0.18(mm)
MRL 240-497699/7 MDLV		08/02/2021 18:44	1		DB-624 0.18(mm)
MRL 240-497699/8 MDLV		08/02/2021 19:06	1		DB-624 0.18(mm)
ZZZZZ		08/02/2021 19:28	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Start Date: 08/21/2021 11:44

Analysis Batch Number: 500502 End Date: 08/21/2021 21:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-500502/1		08/21/2021 11:44	1	BFB4735.D	DB-624 0.18(mm)
CCV 240-500502/3		08/21/2021 12:06	1	U1287550.D	DB-624 0.18(mm)
CCVIS 240-500502/4		08/21/2021 12:28	1	U1287551.D	DB-624 0.18(mm)
LCS 240-500502/5		08/21/2021 12:50	1	U1287552.D	DB-624 0.18(mm)
MRL 240-500502/6 MDLV		08/21/2021 13:12	1		DB-624 0.18(mm)
MRL 240-500502/7 MDLV		08/21/2021 13:34	1		DB-624 0.18(mm)
MB 240-500502/8		08/21/2021 13:56	1	U1287555.D	DB-624 0.18(mm)
ZZZZZ		08/21/2021 14:18	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 14:40	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 15:02	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 15:25	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 15:47	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 16:09	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 16:31	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 16:53	1		DB-624 0.18(mm)
240-154707-E-5 MS		08/21/2021 17:15	1	U1287564.D	DB-624 0.18(mm)
240-154707-H-5 MSD		08/21/2021 17:37	1	U1287565.D	DB-624 0.18(mm)
ZZZZZ		08/21/2021 18:22	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 18:44	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 19:06	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 19:28	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 19:50	1		DB-624 0.18(mm)
ZZZZZ		08/21/2021 20:12	1		DB-624 0.18(mm)
240-154716-1	MSA-SW37A-081721	08/21/2021 20:34	1	U1287573.D	DB-624 0.18(mm)
240-154716-2	MSA-SW37B-081721	08/21/2021 20:56	1	U1287574.D	DB-624 0.18(mm)
240-154716-3	MSA-SW37C-081721	08/21/2021 21:19	1	U1287575.D	DB-624 0.18(mm)
240-154716-4	MSA-SW37D-081721	08/21/2021 21:41	1	U1287576.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Start Date: 08/23/2021 16:44

Analysis Batch Number: 500679 End Date: 08/24/2021 02:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-500679/1		08/23/2021 16:44	1	BFB4736.D	DB-624 0.18(mm)
CCV 240-500679/3		08/23/2021 17:06	1	U1287582.D	DB-624 0.18(mm)
CCVIS 240-500679/4		08/23/2021 17:28	1	U1287583.D	DB-624 0.18(mm)
LCS 240-500679/5		08/23/2021 17:50	1	U1287584.D	DB-624 0.18(mm)
MRL 240-500679/6 MDLV		08/23/2021 18:13	1		DB-624 0.18(mm)
MRL 240-500679/7 MDLV		08/23/2021 18:35	1		DB-624 0.18(mm)
MB 240-500679/8		08/23/2021 18:57	1	U1287587.D	DB-624 0.18(mm)
240-154716-5	MSA-SW38A-081721	08/23/2021 19:18	1	U1287588.D	DB-624 0.18(mm)
240-154716-6	MSA-SW38B-081721	08/23/2021 19:40	1	U1287589.D	DB-624 0.18(mm)
240-154716-7	MSA-SW38C-081721	08/23/2021 20:03	1	U1287590.D	DB-624 0.18(mm)
240-154716-8	MSA-SW38D-081721	08/23/2021 20:25	1	U1287591.D	DB-624 0.18(mm)
240-154716-9	MSA-SW40A-081721	08/23/2021 20:47	1	U1287592.D	DB-624 0.18(mm)
240-154716-10	MSA-SW40B-081721	08/23/2021 21:09	1	U1287593.D	DB-624 0.18(mm)
240-154716-11	MSA-SW40C-081721	08/23/2021 21:31	1	U1287594.D	DB-624 0.18(mm)
240-154716-12	MSA-SW40D-081721	08/23/2021 21:53	1	U1287595.D	DB-624 0.18(mm)
240-154716-13	MSA-SW41A-081721	08/23/2021 22:15	1	U1287596.D	DB-624 0.18(mm)
240-154716-14	MSA-SW41B-081721	08/23/2021 22:37	1	U1287597.D	DB-624 0.18(mm)
240-154716-15	MSA-SW41C-081721	08/23/2021 23:00	1	U1287598.D	DB-624 0.18(mm)
240-154716-16	MSA-SW41D-081721	08/23/2021 23:22	1	U1287599.D	DB-624 0.18(mm)
240-154716-17	MSA-SW42A-081721	08/23/2021 23:44	1	U1287600.D	DB-624 0.18(mm)
240-154716-18	MSA-SW42B-081721	08/24/2021 00:06	1	U1287601.D	DB-624 0.18(mm)
240-154716-19	MSA-SW42C-081721	08/24/2021 00:28	1	U1287602.D	DB-624 0.18(mm)
240-154716-20	MSA-SW42D-081721	08/24/2021 00:50	1	U1287603.D	DB-624 0.18(mm)
240-154716-21	MSA-SW43A-081721	08/24/2021 01:12	1	U1287604.D	DB-624 0.18(mm)
240-154716-22	MSA-SW43B-081721	08/24/2021 01:34	1	U1287605.D	DB-624 0.18(mm)
240-154716-24	MSA-SW43D-081721	08/24/2021 02:19	1	U1287607.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX12 Start Date: 08/26/2021 18:15

Analysis Batch Number: 501270 End Date: 08/27/2021 01:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-501270/1		08/26/2021 18:15	1	BFB4738.D	DB-624 0.18(mm)
CCV 240-501270/3		08/26/2021 18:40	1	U1287638.D	DB-624 0.18(mm)
CCVIS 240-501270/4		08/26/2021 19:02	1	U1287639.D	DB-624 0.18(mm)
LCS 240-501270/5		08/26/2021 19:25	1	U1287640.D	DB-624 0.18(mm)
MRL 240-501270/6 MDLV		08/26/2021 19:47	1		DB-624 0.18(mm)
MRL 240-501270/7 MDLV		08/26/2021 20:09	1		DB-624 0.18(mm)
MB 240-501270/8		08/26/2021 20:31	1	U1287643.D	DB-624 0.18(mm)
240-154716-23	MSA-SW43C-081721	08/26/2021 20:54	1	U1287644.D	DB-624 0.18(mm)
240-154716-25	MSA-SW44A-081721	08/26/2021 21:16	1	U1287645.D	DB-624 0.18(mm)
240-154716-26	MSA-SW44B-081721	08/26/2021 21:38	1	U1287646.D	DB-624 0.18(mm)
240-154716-27	MSA-SW44C-081721	08/26/2021 22:00	1	U1287647.D	DB-624 0.18(mm)
240-154716-28	MSA-SW44D-081721	08/26/2021 22:23	1	U1287648.D	DB-624 0.18(mm)
240-154716-29	TB-081721	08/26/2021 22:45	1	U1287649.D	DB-624 0.18(mm)
240-154716-30	MSA-SW46A-081721	08/26/2021 23:07	1	U1287650.D	DB-624 0.18(mm)
240-154716-31	MSA-SW47A-081721	08/26/2021 23:29	1	U1287651.D	DB-624 0.18(mm)
240-154716-32	MSA-SW48A-081721	08/26/2021 23:52	1	U1287652.D	DB-624 0.18(mm)
240-154716-33	MSA-SW49A-081721	08/27/2021 00:14	1	U1287653.D	DB-624 0.18(mm)
ZZZZZ		08/27/2021 00:36	1		DB-624 0.18(mm)
ZZZZZ		08/27/2021 00:58	20		DB-624 0.18(mm)
200-59769-B-1 MS		08/27/2021 01:21	20	U1287656.D	DB-624 0.18(mm)
200-59769-B-1 MSD		08/27/2021 01:42	20	U1287657.D	DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 497502 Batch Start Date: 07/31/21 10:57 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_a 00008	vm50ss 00449	vm50ss_stk 00087	vmarolistdw 00402
BFB 240-497502/1		8260C		5 mL	5 mL				
STD8260 240-497502/10 IC		8260C		5 mL	5 mL	2 uL	0.4 uL		0.4 uL
STD8260 240-497502/11 IC		8260C		5 mL	5 mL	2 uL	0.8 uL		0.8 uL
STD8260 240-497502/12 IC		8260C		5 mL	5 mL	2 uL	2 uL		2 uL
STD8260 240-497502/13 IC		8260C		5 mL	5 mL	2 uL	8 uL		8 uL
ICIS 240-497502/14		8260C		5 mL	5 mL	2 uL	16 uL		16 uL
STD8260 240-497502/15 IC		8260C		5 mL	5 mL	2 uL	32 uL		32 uL
STD8260 240-497502/16 IC		8260C		5 mL	5 mL	2 uL	48 uL		48 uL
STD8260 240-497502/17 IC		8260C		5 mL	5 mL	2 uL	64 uL		64 uL
ICV 240-497502/18		8260C		5 mL	5 mL	2 uL		2 uL	
STDA9 240-497502/21 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-497502/22 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-497502/23 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-497502/24 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-497502/25 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 497502 Batch Start Date: 07/31/21 10:57 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_a 00008	vm50ss 00449	vm50ss_stk 00087	vmarolistdw 00402
STDA9 240-497502/26 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-497502/27 IC		8260C		5 mL	5 mL	2 uL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00383	vmfasgw 00418	vmfaspw 00408	vmra9w 00400	vmrgas 00394
BFB 240-497502/1		8260C		1 uL					
STD8260 240-497502/10 IC		8260C							0.4 uL
STD8260 240-497502/11 IC		8260C							0.8 uL
STD8260 240-497502/12 IC		8260C							2 uL
STD8260 240-497502/13 IC		8260C							8 uL
ICIS 240-497502/14		8260C							16 uL
STD8260 240-497502/15 IC		8260C							32 uL
STD8260 240-497502/16 IC		8260C							48 uL
STD8260 240-497502/17 IC		8260C							64 uL
ICV 240-497502/18		8260C			16 uL	16 uL	16 uL		
STDA9 240-497502/21 IC		8260C						0.4 uL	
STDA9 240-497502/22 IC		8260C						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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 497502 Batch Start Date: 07/31/21 10:57 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00383	vmfasgw 00418	vmfaspw 00408	vmra9w 00400	vmrgas 00394
STDA9 240-497502/23 IC		8260C						8 uL	
STDA9 240-497502/24 IC		8260C						16 uL	
STDA9 240-497502/25 IC		8260C						32 uL	
STDA9 240-497502/26 IC		8260C						48 uL	
STDA9 240-497502/27 IC		8260C						64 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00445					
BFB 240-497502/1		8260C							
STD8260 240-497502/10 IC		8260C		0.4 uL					
STD8260 240-497502/11 IC		8260C		0.8 uL					
STD8260 240-497502/12 IC		8260C		2 uL					
STD8260 240-497502/13 IC		8260C		8 uL					
ICIS 240-497502/14		8260C		16 uL					
STD8260 240-497502/15 IC		8260C		32 uL					
STD8260 240-497502/16 IC		8260C		48 uL					
STD8260 240-497502/17 IC		8260C		64 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 497502 Batch Start Date: 07/31/21 10:57 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00445					
ICV 240-497502/18		8260C							
STDA9 240-497502/21 IC		8260C							
STDA9 240-497502/22 IC		8260C							
STDA9 240-497502/23 IC		8260C							
STDA9 240-497502/24 IC		8260C							
STDA9 240-497502/25 IC		8260C							
STDA9 240-497502/26 IC		8260C							
STDA9 240-497502/27 IC		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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 497699 Batch Start Date: 08/02/21 16:50 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_a 00008	vm50ss_stk 00087	vmbfb 00027	VMFASA9W 00328
BFB 240-497699/1		8260C		5 mL	5 mL			1 uL	
ICV 240-497699/6		8260C		5 mL	5 mL	2 uL	2 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 500502 Batch Start Date: 08/21/21 11:44 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 00009	vm50ss_stk 00087	vmarolistdw 00405
BFB 240-500502/1		8260C		5 mL	5 mL				
CCV 240-500502/3		8260C		5 mL	5 mL		2 uL		
CCVIS 240-500502/4		8260C		5 mL	5 mL		2 uL	2 uL	16 uL
LCS 240-500502/5		8260C		5 mL	5 mL		2 uL	2 uL	
MB 240-500502/8		8260C		5 mL	5 mL		2 uL	2 uL	
240-154707-E-5 MS	MW-10-081621	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154707-H-5 MSD	MW-10-081621	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-1	MSA-SW37A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-2	MSA-SW37B-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-A-3	MSA-SW37C-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-A-4	MSA-SW37D-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00387	vmfasgw 00420	vmfaspw 00411	vmra9w 00403	vmrgas 00397
BFB 240-500502/1		8260C		1 uL					
CCV 240-500502/3		8260C						16 uL	
CCVIS 240-500502/4		8260C							16 uL
LCS 240-500502/5		8260C			16 uL	16 uL	16 uL		
MB 240-500502/8		8260C							
240-154707-E-5 MS	MW-10-081621	8260C	T		16 uL	16 uL	16 uL		
240-154707-H-5 MSD	MW-10-081621	8260C	T		16 uL	16 uL	16 uL		
240-154716-B-1	MSA-SW37A-081721	8260C	T						
240-154716-B-2	MSA-SW37B-081721	8260C	T						
240-154716-A-3	MSA-SW37C-081721	8260C	T						
240-154716-A-4	MSA-SW37D-081721	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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 500502 Batch Start Date: 08/21/21 11:44 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00448					
BFB 240-500502/1		8260C							
CCV 240-500502/3		8260C							
CCVIS 240-500502/4		8260C		16 uL					
LCS 240-500502/5		8260C							
MB 240-500502/8		8260C							
240-154707-E-5 MS	MW-10-081621	8260C	T						
240-154707-H-5 MSD	MW-10-081621	8260C	T						
240-154716-B-1	MSA-SW37A-081721	8260C	T						
240-154716-B-2	MSA-SW37B-081721	8260C	T						
240-154716-A-3	MSA-SW37C-081721	8260C	T						
240-154716-A-4	MSA-SW37D-081721	8260C	T						

Batch Notes	
pH Indicator ID	HC042657

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 500679 Batch Start Date: 08/23/21 16:44 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 00009	vm50ss_stk 00087	vmarolistdw 00405
BFB 240-500679/1		8260C		5 mL	5 mL				
CCV 240-500679/3		8260C		5 mL	5 mL		2 uL		
CCVIS 240-500679/4		8260C		5 mL	5 mL		2 uL	2 uL	16 uL
LCS 240-500679/5		8260C		5 mL	5 mL		2 uL	2 uL	
MB 240-500679/8		8260C		5 mL	5 mL		2 uL	2 uL	
240-154716-B-5	MSA-SW38A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-6	MSA-SW38B-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-7	MSA-SW38C-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-8	MSA-SW38D-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-9	MSA-SW40A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-10	MSA-SW40B-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-11	MSA-SW40C-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-12	MSA-SW40D-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-13	MSA-SW41A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-14	MSA-SW41B-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-15	MSA-SW41C-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-16	MSA-SW41D-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-17	MSA-SW42A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-A-18	MSA-SW42B-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-C-19	MSA-SW42C-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-20	MSA-SW42D-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-21	MSA-SW43A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-22	MSA-SW43B-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-24	MSA-SW43D-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00387	vmfasgw 00421	vmfaspw 00411	vmra9w 00403	vmrgas 00397
BFB 240-500679/1		8260C		1 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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 500679 Batch Start Date: 08/23/21 16:44 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00387	vmfasgw 00421	vmfaspw 00411	vmra9w 00403	vmrgas 00397
CCV 240-500679/3		8260C						16 uL	
CCVIS 240-500679/4		8260C							16 uL
LCS 240-500679/5		8260C			16 uL	16 uL	16 uL		
MB 240-500679/8		8260C							
240-154716-B-5	MSA-SW38A-081721	8260C	T						
240-154716-B-6	MSA-SW38B-081721	8260C	T						
240-154716-B-7	MSA-SW38C-081721	8260C	T						
240-154716-B-8	MSA-SW38D-081721	8260C	T						
240-154716-B-9	MSA-SW40A-081721	8260C	T						
240-154716-B-10	MSA-SW40B-081721	8260C	T						
240-154716-B-11	MSA-SW40C-081721	8260C	T						
240-154716-B-12	MSA-SW40D-081721	8260C	T						
240-154716-B-13	MSA-SW41A-081721	8260C	T						
240-154716-B-14	MSA-SW41B-081721	8260C	T						
240-154716-B-15	MSA-SW41C-081721	8260C	T						
240-154716-B-16	MSA-SW41D-081721	8260C	T						
240-154716-B-17	MSA-SW42A-081721	8260C	T						
240-154716-A-18	MSA-SW42B-081721	8260C	T						
240-154716-C-19	MSA-SW42C-081721	8260C	T						
240-154716-B-20	MSA-SW42D-081721	8260C	T						
240-154716-B-21	MSA-SW43A-081721	8260C	T						
240-154716-B-22	MSA-SW43B-081721	8260C	T						
240-154716-B-24	MSA-SW43D-081721	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00448					
BFB 240-500679/1		8260C							
CCV 240-500679/3		8260C							
CCVIS 240-500679/4		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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 500679 Batch Start Date: 08/23/21 16:44 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00448					
LCS 240-500679/5		8260C							
MB 240-500679/8		8260C							
240-154716-B-5	MSA-SW38A-081721	8260C	T						
240-154716-B-6	MSA-SW38B-081721	8260C	T						
240-154716-B-7	MSA-SW38C-081721	8260C	T						
240-154716-B-8	MSA-SW38D-081721	8260C	T						
240-154716-B-9	MSA-SW40A-081721	8260C	T						
240-154716-B-10	MSA-SW40B-081721	8260C	T						
240-154716-B-11	MSA-SW40C-081721	8260C	T						
240-154716-B-12	MSA-SW40D-081721	8260C	T						
240-154716-B-13	MSA-SW41A-081721	8260C	T						
240-154716-B-14	MSA-SW41B-081721	8260C	T						
240-154716-B-15	MSA-SW41C-081721	8260C	T						
240-154716-B-16	MSA-SW41D-081721	8260C	T						
240-154716-B-17	MSA-SW42A-081721	8260C	T						
240-154716-A-18	MSA-SW42B-081721	8260C	T						
240-154716-C-19	MSA-SW42C-081721	8260C	T						
240-154716-B-20	MSA-SW42D-081721	8260C	T						
240-154716-B-21	MSA-SW43A-081721	8260C	T						
240-154716-B-22	MSA-SW43B-081721	8260C	T						
240-154716-B-24	MSA-SW43D-081721	8260C	T						

Batch Notes	
pH Indicator ID	HC042657

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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 501270 Batch Start Date: 08/26/21 18:15 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 00009	vm50ss_stk 00087	vmarolistdw 00406
BFB 240-501270/1		8260C		5 mL	5 mL				
CCV 240-501270/3		8260C		5 mL	5 mL		2 uL		
CCVIS 240-501270/4		8260C		5 mL	5 mL		2 uL	2 uL	16 uL
LCS 240-501270/5		8260C		5 mL	5 mL		2 uL	2 uL	
MB 240-501270/8		8260C		5 mL	5 mL		2 uL	2 uL	
240-154716-C-23	MSA-SW43C-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-A-25	MSA-SW44A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-C-26	MSA-SW44B-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-27	MSA-SW44C-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-28	MSA-SW44D-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-29	TB-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-30	MSA-SW46A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-31	MSA-SW47A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-32	MSA-SW48A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-154716-B-33	MSA-SW49A-081721	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
200-59769-B-1 MS		8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
200-59769-B-1 MSD		8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00387	vmfasgw 00421	vmfaspw 00411	vmra9w 00403	vmrgas 00397
BFB 240-501270/1		8260C		1 uL					
CCV 240-501270/3		8260C						16 uL	
CCVIS 240-501270/4		8260C							16 uL
LCS 240-501270/5		8260C			16 uL	16 uL	16 uL		
MB 240-501270/8		8260C							
240-154716-C-23	MSA-SW43C-081721	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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 501270 Batch Start Date: 08/26/21 18:15 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00387	vmfasgw 00421	vmfaspw 00411	vmra9w 00403	vmrgas 00397
240-154716-A-25	MSA-SW44A-081721	8260C	T						
240-154716-C-26	MSA-SW44B-081721	8260C	T						
240-154716-B-27	MSA-SW44C-081721	8260C	T						
240-154716-B-28	MSA-SW44D-081721	8260C	T						
240-154716-B-29	TB-081721	8260C	T						
240-154716-B-30	MSA-SW46A-081721	8260C	T						
240-154716-B-31	MSA-SW47A-081721	8260C	T						
240-154716-B-32	MSA-SW48A-081721	8260C	T						
240-154716-B-33	MSA-SW49A-081721	8260C	T						
200-59769-B-1 MS		8260C	T		16 uL	16 uL	16 uL		
200-59769-B-1 MSD		8260C	T		16 uL	16 uL	16 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00449					
BFB 240-501270/1		8260C							
CCV 240-501270/3		8260C							
CCVIS 240-501270/4		8260C		16 uL					
LCS 240-501270/5		8260C							
MB 240-501270/8		8260C							
240-154716-C-23	MSA-SW43C-081721	8260C	T						
240-154716-A-25	MSA-SW44A-081721	8260C	T						
240-154716-C-26	MSA-SW44B-081721	8260C	T						
240-154716-B-27	MSA-SW44C-081721	8260C	T						
240-154716-B-28	MSA-SW44D-081721	8260C	T						
240-154716-B-29	TB-081721	8260C	T						
240-154716-B-30	MSA-SW46A-081721	8260C	T						
240-154716-B-31	MSA-SW47A-081721	8260C	T						
240-154716-B-32	MSA-SW48A-081721	8260C	T						
240-154716-B-33	MSA-SW49A-081721	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.: 240-154716-1

SDG No.: Frog Mortar Creek

Batch Number: 501270 Batch Start Date: 08/26/21 18:15 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00449					
200-59769-B-1 MS		8260C	T						
200-59769-B-1 MSD		8260C	T						

Batch Notes	
pH Indicator ID	HC042657

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

5-215-3

North Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Baltimore #201

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 8/17/2021	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			SDG No.
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: MSA Surface Water Sampling	☐ 1 week			Sampler: J Mullis
Site: MSA Frog Mortar Creek	☐ 2 days			
PO #1179752, 112IC09343	☐ 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-SW37A-081721	8/17/2021	1118	SW	Water	3		x	
MSA-SW37B-081721	8/17/2021	1120	SW	Water	3		x	
MSA-SW37C-081721	8/17/2021	1122	SW	Water	3		x	
MSA-SW37D-081721	8/17/2021	1125	SW	Water	3		x	
MSA-SW38A-081721	8/17/2021	1013	SW	Water	3		x	
MSA-SW38B-081721	8/17/2021	1015	SW	Water	3		x	
MSA-SW38C-081721	8/17/2021	1017	SW	Water	3		x	
MSA-SW38D-081721	8/17/2021	1020	SW	Water	3		x	
MSA-SW40A-081721	8/17/2021	1055	SW	Water	3		x	
MSA-SW40B-081721	8/17/2021	1057	SW	Water	3		x	
MSA-SW40C-081721	8/17/2021	1100	SW	Water	3		x	
MSA-SW40D-081721	8/17/2021	1102	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:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Tetra Tech	8/17/2021 1320		BTO Belt	8/17/21 13 20
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	BTO Belt	8/17/21 1700		TA	8-18-21 990
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

08/31/2021

North Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Baltimore #201

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 8/17/2021	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			Sampler: J Mullis
Site: MSA Frog Mortar Creek	☐ 2 days			
PO #1179752, 112IC09343	☐ 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-081721	8/17/2021	0957	SW	Water	3		x	
MSA-SW41B-081721	8/17/2021	1000	SW	Water	3		x	
MSA-SW41C-081721	8/17/2021	1002	SW	Water	3		x	
MSA-SW41D-081721	8/17/2021	1005	SW	Water	3		x	
MSA-SW42A-081721	8/17/2021	1107	SW	Water	3		x	
MSA-SW42B-081721	8/17/2021	1110	SW	Water	3		x	
MSA-SW42C-081721	8/17/2021	1112	SW	Water	3		x	
MSA-SW42D-081721	8/17/2021	1115	SW	Water	3		x	
MSA-SW43A-081721	8/17/2021	0943	SW	Water	3		x	
MSA-SW43B-081721	8/17/2021	0945	SW	Water	3		x	
MSA-SW43C-081721	8/17/2021	0947	SW	Water	3		x	
MSA-SW43D-081721	8/17/2021	0950	SW	Water	3		x	
							2	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 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:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Tetra Tech Inc.	8/17/2021 1320		BT Analytical	8/17/21 1320
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	BT Analytical	8/17/21 1700		TA	8-18-21 930
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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 8/17/2021	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			SDG No.
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: MSA Surface Water Sampling	☐ 1 week			
Site: MSA Frog Mortar Creek	☐ 2 days			Sampler: J Mullis
PO #1179752, 112IC09343	☐ 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-SW44A-081721	8/17/2021	0930	SW	Water	3		x	
MSA-SW44B-081721	8/17/2021	0935	SW	Water	3		x	
MSA-SW44C-081721	8/17/2021	0936	SW	Water	3		x	
MSA-SW44D-081721	8/17/2021	0940	SW	Water	3		x	
TB-081721	8/17/2021	0000	SW	Water	2		x	
MSA-SW46A-081721	8/17/2021	1105	SW	Water	3		x	
MSA-SW47A-081721	8/17/2021	1025	SW	Water	3		x	
MSA-SW48A-081721	8/17/2021	1008	SW	Water	3		x	
MSA-SW49A-081721	8/17/2021	0955	SW	Water	3		x	
							2	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 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:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Tetra Tech Inc	8/17/2021 1320		TA Balt	8/17/21 1320
	TA Balt	8/17/21 1700		TA	8-18-21 940

08/31/2021

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # : 154716**
Canton Facility

Client Tetra tech Site Name _____ Cooler unpacked by: Brandon

Cooler Received on 8-18-21 Opened on 8-18-21

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # 14 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-11 (CF +0.1 °C) Observed Cooler Temp. 5.2 °C Corrected Cooler Temp. 5.3 °C
   IR GUN #IR-12 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____	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 (ID/Date/Time) be reconciled with the COC?	Yes	No
9. For each sample, does the COC specify preservatives(Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	Yes	No
11. Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# **HC157842**
14. Were VOAs on the COC?	Yes	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	No
17. 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 _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page | Samples processed by:

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) MSA-SW42B-081721 were received with bubble >6 mm in diameter. (Notify PM)

20. 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: _____